# Final Report – Pre Feasibility Study for Proposed Economic Zone at Nawabganj, Bangladesh

*24 February 2021*

*Strictly Private and Confidential*

***Bangladesh Economic Zones Authority***

pwc

**24 February 2021**

**To**

Project Director
Support to Capacity Building
Bangladesh Economic Zones Authority

**Sub:** Pre-feasibility study of 12 Economic Zones in Bangladesh- Submission of Final Report for the proposed Economic Zone at Nawabganj

Dear Sir,

Greetings from PricewaterhouseCoopers Private Limited.

We are glad to submit the Final Report – Pre feasibility study for the proposed Economic Zone at Nawabganj. Please find enclosed herewith the report for your kind reference.

We have captured the following details in this report-

- Executive summary on this report outlining key findings and recommendations
- Introduction to the project and location assessment of the proposed EZ with maps
- Benchmarking of the proposed EZ with respect internationally selected economic zones and similar developments– parametric comparison of the proposed EZ against its competing developments
- Industry assessment to suggest the best fit sectors for the proposed EZ
- Demand projection to forecast the industrial space uptake and estimate utility requirements
- Transport assessment elucidating the multimodal connectivity surrounding the proposed EZ
- Onsite and Offsite Infrastructure assessment, and Master Planning
- Environmental and Social Review
- Financial modelling and Economic modelling

We request you to kindly acknowledge the receipt of the same.

We assure you of our best service at all times.

Thank you.

Yours sincerely,

**Manish R Sharma**
**Partner**
**PricewaterhouseCoopers Private Limited**
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# *Disclaimer*

The report has been prepared by PricewaterhouseCoopers Pvt Ltd (PwC) for Bangladesh Economic Zones Authority (BEZA). This is pursuant to the Scope of Work under the contract document "*Support to Capacity Building of Bangladesh Economic Zones Authority Project (under Private Sector Development Support Project)*" executed between PwC and BEZA. PricewaterhouseCoopers Pvt. Ltd. (PwC) has been appointed by BEZA to undertake pre-feasibility study for twelve selected economic zones in Bangladesh. PwC would be undertaking the commercial aspects of the scope of work with assistance from Infrastructure Investment Facilitation Company (IIFC) and the technical aspects have been subcontracted to Mahindra Consulting Engineers Ltd. (MACE). Any third party should obtain prior consent of PwC before copying or reproducing, in whole or in part, the contents of this report. PwC disclaims any responsibility for any loss or damage suffered by any third party by taking reliance of this report. Furthermore, PwC will not be bound to discuss, explain or reply to queries raised by any agency other than the intended recipients of this report. All information in the report is intellectual property of BEZA.

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# Context of the Study

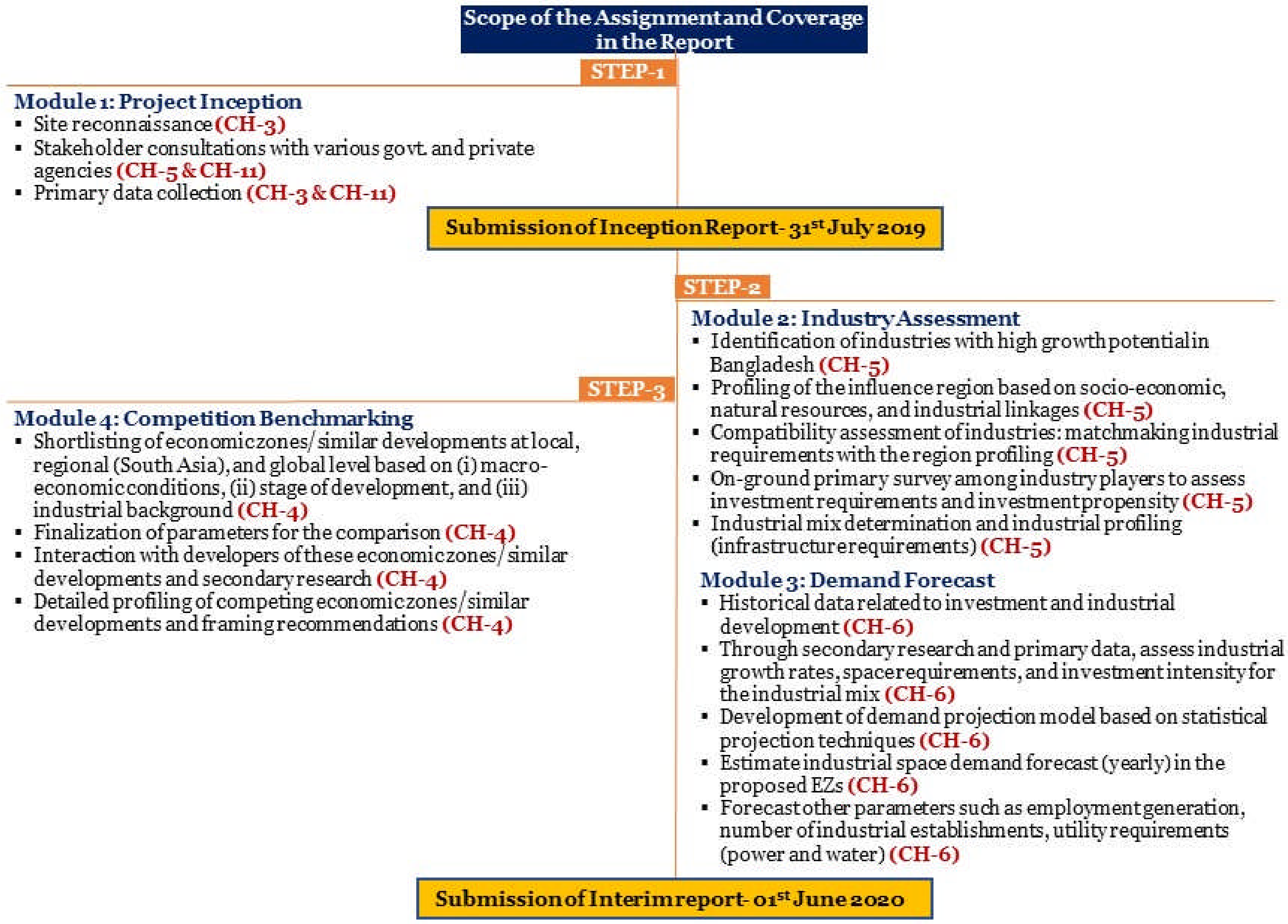
Bangladesh has recorded steady growth over the last decade with Gross Domestic Product (GDP) growth rate ranging over 6%.[1] The steady growth has been assisted by presence of strong labour force (58.3 million in 2011). However, this has also created a unique challenge to create productive employment for the future labour force (nearly 2 million a year) entering the market.

Government of Bangladesh provided planned industrial infrastructure through its Export Processing Zone (EPZ) program to create a conducive environment to attract private sector investment. EPZs assisted in attracting Foreign Direct Investment and generate potential jobs. Since 1993 EPZs have assisted in development of RMG sector in Bangladesh and have boosted exports to nearly US$ 2.9 billion by FY 10 and generated significant employment. However, EPZs had its own shortcomings in terms of contribution to domestic economy and linkages and integration to domestic industries.

Govt. of Bangladesh planned the development of Economic Zones (EZ) to address this issue. The Economic Zones provide flexibility in terms of management and investment. The EZs would be less reliant on government subsidies and would be able to leverage private sector capability. The Economic Zone Act was passed in 2010 and Bangladesh Economic Zones Authority was established under the Prime Minister’s Office (PMO) for development of Economic Zones across Bangladesh.

Bangladesh Economic Zones Authority with support from World Bank has implemented the Private Sector Development Support Project (PSDSP) to support development of economic zones under the new EZ model. This study is being undertaken as part of the PSDSP to carry out independent pre-feasibility study of 12 Economic Zones. The scope of work under the study for each Economic Zones along with chapters covering the scope have been mapped below.

## Scope of the assignment and report coverage




[1] *As per World Bank data (constant price GDP data)*

**Scope of the Assignment and Coverage in the Report**

**STEP-4**

**Module 6: Infrastructure Assessment**

- Analysis of existing utility networks in the surrounding region **(CH-8)**
- Study of contour map and site intrinsic attributes like Land use, seismic, physiographic, geological and others **(CH-8)**
- Identification of key constraints in the proposed EZs **(CH-8)**
- Assessment of off-site and on-site infrastructure requirements **(CH-8)**
- Block cost estimation for off-site and on-site infrastructure requirements **(CH-8)**

**Module 7: Master Planning**

- Formulation of planning regime and planning principles **(CH-9)**
- Development of best practice master planning **(CH-9)**
- Land use planning and zoning/layout **(CH-9)**
- Development of phasing plan **(CH-9)**
- Smart & Sustainable initiatives **(CH-9)**

**STEP-5**

**Module 5: Transport Assessment**

- Through secondary research and primary stakeholder consultations (with various government nodal agencies like RHD, BLPA, CAAB etc.) assess the as-is scenario of multimodal connectivity (for road, rail, port, and airport) **(CH-7)**
- Assess the areas of improvement and government initiatives to improve logistics scenario in the region surrounding the proposed EZs **(CH-7)**
- Recommend micro-level transportation augmentation initiatives to foster seamless logistics **(CH-7)**
- Action Plan development: Assessment of cost, timelines of development, and jurisdictional responsibilities for each of these recommendations **(CH-7)**

**STEP-6**

**Module 8: Environmental and Social Review**

- Review of applicable Environmental and Social laws, regulations and policies applicable to the project, WB Safeguard Standards-Guidelines, BEZA's RSMF etc. and preparation of Checklist for Screening Exercise **(CH-12 & CH-13)**
- Site reconnaissance survey and stakeholder consultation **(CH-11 & CH-12)**
- Establishment of Environmental and Social Baseline Scenario **(CH-11 & CH-12)**
- Identification of key Environmental and Societal Risks and suggestion for preliminary mitigation **(CH-11 & CH-12)**
- Development of Environmental Management Plan (EMP) and Suggestion on requirement of Social Impact Assessment (SIA)/ Resettlement Action Plan (RAP) **(CH-11 & CH-12)**

**STEP-7**

**Module 9: Financial Modelling**

- Financial Model to be developed in sync with demand forecast (module-4), infrastructure assessment (module-6), & master planning (module-7) **(CH-13)**
- Identification of revenue sources **(CH-13)**
- Finalization of cost, revenue, and financing assumptions in discussion with BEZA **(CH-13)**
- Preparation of guide to operate the financial model **(CH-13)**
- Estimation of key ratios such as project IRR, equity IRR, Debt-Service Coverage Ratio **(CH-13)**
- Recommendations on Project structuring **(CH-13)**

**Module 10: Economic Modelling**

- Economic model to be developed in sync with the financial model (module-10) **(CH-14)**
- Identification of economic cost and economic benefits accruing from the project **(CH-14)**
- Estimation of economic IRR **(CH-14)**
- Preparation of guide to operate the economic model **(CH-14)**

**Submission of final report- 25th February 2021**

## Scope Limitations

- The study team has identified the source from where sand can be dredged for land filling. However, to identify the extact area from where sand has to be dredged would require detailed study and should be carried out as part of the master planning of the Economic Zone.
- The study team has identified the broad estimate for resettlement plan in line with scope of the assignment. The actual cost for resttlement plan due to offsite infrastructure should be carried out at masterplan stage when the offsite infrastructure alignment would be finalised.
- The Environmental Management Plan cost has been provided based on scope of the assignment. Detailed EMP cost study needs to be carried out as part of the masterplan study.

# List of Abbreviations

| Abbreviation | Full Form |
|---|---|
| AADT | Annual average daily traffic |
| AC | Air Conditioner |
| ADB | Asian Development Bank |
| AI | Artificial Intelligence |
| APC | Automated Process Control |
| API | Active Pharmaceutical Ingredients |
| BAPA | Bangladesh Agro-Processors' Association |
| BARI | Bangladesh Agriculture Research institute |
| BBS | Bangladesh Bureau of Statistics |
| BCMEA | Bangladesh Ceramics Manufacturers and Exporters Association |
| BCR | Benefit Cost Ratio |
| BDI | Baltic Dry Index |
| BDT | Bangladeshi Taka |
| BEPZA | Bangladesh Export Processing Zone Authority |
| BEZA | Bangladesh Economic Zones Authority |
| BGMEA | Bangladesh Garments Manufacturers and Exporters Association |
| BIDA | Bangladesh Investment Development Authority |
| BIWTA | Bangladesh Inland Water Transport Authority |
| BLPA | Bangladesh Land Port Authority |
| BRRI | Bangladesh Rice Research Institute |
| BSCIC | Bangladesh Small and Cottage Industries Corporation |
| CAGR | Compound Annual Growth Rate |
| CETP | Central Effluent Treatment Plant |
| CKD | Completely Knocked Down |
| CoD | Commercial Operational Date |
| COVID | Coronavirus Disease |
| DDT | Dividend Distribution Tax |
| DSCR | Debt Service Coverage Ratio |
| EIRR | Economic Internal Rate of Return |
| EPZ | Export Processing Zones |
| ETP | Effluent Treatment Plant |
| EU | European Union |
| EXIM | Export & Import |
| EZ | Economic Zone |
| F&B | Food and Beverages |
| FCL | Full Container Load |
| FDI | Foreign Direct Investment |
| FIRR | Financial Internal Rate of Return |
| FMCG | Fast Moving Consumer Goods |
| FY | Financial Year |

| Abbreviation | Full Form |
|---|---|
| G2G | Government to Government |
| GDP | Gross Domestic Product |
| GNI | Gross National Income |
| GoB | Government of Bangladesh |
| GST | Goods and Services Tax |
| GVA | Gross Value Added |
| GVC | Gross Value Chain |
| HBR | Harvard Business Review |
| HYV | High Yielding Variety |
| IIFC | Infrastructure Investment Facilitation Company |
| IOT | Internet of Things |
| IT | Information Technology |
| ITC | International Trade Centre |
| IWT | Inland Water Transport |
| JICA | Japan International Cooperation Agency |
| KL | Kilo Liter |
| Km | Kilometer |
| KV | Kilovolt |
| KVA | Kilo-Volt Ampere |
| KWH | Kilo-Watt Hour |
| LDC | Least Developed Country |
| LFMEAB | Leather goods And Footwear Manufacturers & Exporters Association of Bangladesh |
| LGED | Local Government Engineering Department |
| LLP | Limited Liability Partnership |
| LNG | Liquefied Natural Gas |
| LPG | Liquefied Petroleum Gas |
| MAC | Middle and Affluent Class |
| MACE | Mahindra Consulting Engineers Limited |
| MLD | Million Liters per Day |
| MSME | Micro, Small and Medium Enterprises |
| MT | Metric Ton |
| MVA | Mega Volt Ampere |
| NSSF | National Social Security Fund |
| NPV | Net Present Value |
| OD | Origin Destination |
| P&L | Profit and Loss |
| PBF | Pre-Built Factory |
| PIRR | Project Internal Rate of Return |
| PIWTT | Protocol on Inland Water Transit and Trade |
| PPM | Parts Per Million |
| PPnBM | Pajak Penjualan atas Barang Mewah |
| PPP | Public Private Partnership |

| Abbreviation | Full Form |
|---|---|
| PSDSP | Private Sector Development Support Project |
| PVC | Polyvinyl Chloride |
| PwC | PricewaterhouseCoopers |
| QIIP | Quantum Index of Industrial Production |
| R&D | Research & Development |
| REB | Rural Electricity Board |
| RHD | Roads and Highways Department |
| RMG | Readymade Garments |
| SASEC | South Asia Sub regional Economic Cooperation |
| SDF | Standard Design Factory |
| SERF | Shadow Exchange Rate Factor |
| SEZ | Special Economic Zone |
| SFB | Standard Factory Building |
| SME | Small and Medium-sized Enterprises |
| SMI | Survey of Manufacturing Industries |
| SOE | State Owned Enterprise |
| SPV | Special Purpose Vehicle |
| STP | Sewage Treatment Plant |
| SWRF | Shadow Wage Rate Factor |
| TEU | Twenty-Foot Equivalent Unit |
| ToR | Terms of Reference |
| TV | Television |
| TVET | Technical and Vocational Education and Training |
| UN | United Nations |
| UNO | Upazila Nirbahi Officer |
| USA | United States of America |
| USD | United States Dollar |
| VAT | Value Added Tax |
| WB | World Bank |
| WTO | World Trade Organisation |
| YOY | Year on Year |

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# 1. Executive Summary

Changing global dynamics depict the growth prospect in Bangladesh and how this country has been shaping up as an attractive investment destination. Country's specialisation in RMG sector is a success story for which Bangladesh has been able to effectively leverage on its demographic dividend. However, the country has been over dependent on this sector and is not being able to diversify its export basket. Moreover, with the advent of the global Corona virus (COVID-19) pandemic, which has adversely affected the Textiles & RMG due to its labour-intensive nature, Bangladesh should look towards diversification now even more than ever. In a prescience move GoB had already envisaged that organized industrialization in the country will be able to improve the country's competitiveness thereby attracting more investments from manufacturers globally and help in the diversification process. In lieu of this, the emergence of the EZ model, is expected to foster organized industrialization in the country, which in turn shall promote investment inflow and employment generation.

In tandem with this initiative, economic zone (EZ) regime ushered in, and BEZA was conceptualized. BEZA is the nodal agency mandated for economic zone development in the country. BEZA in support with World Bank is implementing PSDSP to upkeep pilot multi-product EZ projects under the new EZ regime.

As part of this endeavour, BEZA and the World Bank intend to undertake pre-feasibility studies of twelve economic zone locations spread across the country. This report captures location assessment, competitive benchmarking and demand assessment modules of the pre-feasibility assessment of economic zone location at Nawabganj, Dhaka district.

Proposed EZ is spread over an area of approximately 874 acres (out of which 834 acres is private land) and is located in Nawabganj upazila, Dhaka district of Dhaka division. Proposed EZ is adjacent to Dhaleshwari river which presents a possibility for cargo movement through these rivers. The proposed EZ is entailed with an earthen road (approximately 450m in length) which acts as the last mile connectivity, connecting the proposed EZ with the Keraniganj-Nawabganj road (R820). Nearest highway connectivity for this proposed EZ is Dhaka-Mawa Highway (N8) which is at a distance of 13 km and is connected to via Keraniganj-Nawabganj road (R820) from the proposed EZ. N8 connects the proposed EZ with Dhaka (~39 km) and Mawa (~40 km). R820 further connects with 4-lane Dhaka – Chittagong (N1) highway connecting the proposed EZ with Comilla (~112 km), and Chittagong (~256 km). The nearest rail head is at Kamalapur which is at a distance of around 23 km from the proposed EZ. The nearest seaport at Chittagong is at a distance of 256 km from the proposed EZ. Narayanganj river port is located at a distance of ~38 km from the proposed EZ.

Presence of Dhaleshwari and Meghna rivers which are adjacent to the proposed EZ provides source of surface water. The groundwater depth in the region of the proposed EZ varies from 500-600 ft. The nearest power source is Tikorpur sub-station (~6 km) with total capacity of 20 MW and surplus capacity of 12 MW. This can be relied as a source of power supply to meet the power requirements of the initial construction activities for proposed EZ. Nearest gas tapping point is Keraniganj BSCIC at a distance of ~4 km from the proposed EZ.

Basic social infrastructure (medical, residential, and academic) are available in this region to cater to the requirements of unskilled and semi-skilled manpower. Quality social infrastructure (medical, residential, and academic facilities suitable for expats, executives and skilled human resources) is available in Dhaka.

In order to incorporate the best prevalent practices in development of industrial infrastructure, it is imperative that the proposed zone is evaluated against similar developments in comparable neighbouring and global economies. In this regard, the competitive benchmarking exercise is taken into cognizance so that the developer becomes oblivious with the drivers of an EZ and assess the proposed zone vis a vis similar development taking place globally. The benchmarking exercise assesses various parameters such as commercial terms, infrastructure availability, labour cost, distance from trade gateways, etc. for similar developments across the globe. Once completed, this analysis not only provides the relative competitiveness of the proposed economic zone vis a vis the other zones but also synthesises the key learnings from each of these zones. Since, this report captures only the location analysis, and the industry and demand assessment of the proposed economic zone apart from competition benchmarking, certain sections in the comparative analysis section are kept to be updated as we further proceed to the relevant modules (like master planning, infrastructure assessment, and financial modelling) on course during the pre-feasibility study.

In line with the identified features of the proposed EZ and its competitiveness, a framework of industry assessment has been formulated. The industry assessment framework is based on a stepwise approach to finalise the industrial sectors which are best fit for the proposed EZ. In summary, it emphasizes on the trade potential of each sector, their participation in the Global Value Chain and the priority sectors of the GoB to highlight an initial set of industrial sectors best suited for development in the country. In doing so, the impact of COVID-19 pandemic on these sectors has also been assessed to understand its underlining effect on the demand side. Our assessment depicted that Textiles & RMG, Leather, Chemicals etc. would be amongst the most adversely affected sectors due to ongoing lockdown protocols whereas certain sectors such as Food & Beverages, Agro-based products could be immune against the impact of the pandemic.

Through amalgamation of the national industrial landscape with the regional landscape and site intrinsic features, suitability of various industrial sectors to the proposed EZ has been assessed with additional validation of this desk-based study through primary survey's amongst domestic and foreign investors. Basis this hypothesis, the following industrial sectors emerged out as the potential industrial mix for the proposed EZ:

Primary set of industries:

- Textiles and RMG
- Food & Beverages
- Leather and Leather Products
- Non-Metallic Minerals
- Electrical and Electronics
- Pharmaceuticals

Secondary set of industries:

- Light machinery, equipment and furniture
- Plastic and Rubber
- Chemicals

Desk based study in synthesis with primary survey indicates that the economy of Dhaka district and the surrounding region is predominantly dependent on the textiles sector which emerges as the one of the foremost choices of sector for the proposed EZ. Proximity to Dhaka could also be leveraged towards setting up of industrial units related to plastic and rubber and chemicals in the proposed EZ owing to the adverse effect of these sectors in the urban landscape of the capital city and also from the point of view of decongesting the capital off these hazardous sectors. Voice on ground also captured that the investors are require certain pre-requisites in order to relocate to the proposed economic zone in terms of availability of cheap source of labor, proximity to the source of raw materials, access to CETP/STP, uninterrupted power supply for continual industrial production, warehousing facilities, subsidized land tariffs etc. among others. They also pointed out certain challenges such as high duty on customs, complicated clearance processes, shortage of power, high utility tariffs, social security as some of the issues acting as hindrances to investment. Among the various site-specific advantages, for attracting investment towards proposed EZ, it was observed that distance from Dhaka was listed as the best feature by the investors.

Based on the above-mentioned industrial mix, land demand forecasting in light of statistical projection techniques have been undertaken. Three scenarios have been considered viz. aggressive, base, and conservative. Assumptions related to industrial growth rates and investment inflow to the proposed EZ have been varied as per the three scenarios. It has been assumed that in aggressive (conservative) case, higher (lower) infrastructure induced growth rate and higher (lower) investment inflow taking place to the proposed EZ. Base case considers the current scenario backed up by evidences and present trends. Similarly, the industrial growth rates assumed have been varied in order to factor in the impact of COVID-19 on their future growth.

Demand projection outlines that in conservative case, complete industrial space uptake would take place in 15 years. For base and aggressive cases, the same would be spread over 13 years and 11 years respectively. Corresponding to this land demand, the ultimate power and water demand for the proposed economic zone is 96.37 MVA and 30.28 MLD respectively (for Base case). The project would generate direct employment in the concerned area in the range of 96,200 (approximately; for Base case).

Based on the above stated assumptions, industrial space occupancy for the three scenarios are captured in the following table.

Table 1: Industrial space occupancy (in %) for the three scenarios (cumulative)

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|---|---|---|---|---|---|---|---|
| Conservative | 1% | 3% | 7% | 13% | 20% | 24% | 28% |
| Base | 2% | 6% | 13% | 21% | 30% | 38% | 44% |
| Aggressive | 4% | 10% | 19% | 30% | 41% | 51% | 60% |

*Source: Statistical projection technique; Demand Forecasting*

Table 2: Industrial space occupancy (in %) for the three scenarios (cumulative)

| Scenarios | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 30% | 37% | 43% | 51% | 56% | 69% | 85% | 100% |
| Base | 49% | 59% | 69% | 81% | 91% | 100% | 100% | 100% |
| Aggressive | 69% | 83% | 96% | 100% | 100% | 100% | 100% | 100% |

*Source: Statistical projection technique; Demand Forecasting*

Master Plan, Off-site Infrastructure plan, and On-site infrastructure plan have been prepared for the EZ site in line with the industries proposed to be established within the proposed EZ, statistical demand forecasting, and prevalent best industry practices. Off-site infrastructure takes into consideration providing the external basic infrastructure facilities (such as site filling, power supply, water supply, and access road) to the doorstep of the proposed EZ. Development of off-site infrastructure is the responsibility of BEZA. On-site infrastructure considers internal infrastructure components (such as internal road network, power substation, water conveyance system, sewage and effluent treatment facilities and other support amenities etc.). Development of on-site infrastructure is the responsibility of the private developer (in case BEZA opts for the PPP route).

There are totally 420 plots within EZ out of which 406 plots are earmarked for industrial usage, 4 plots for utilities, 5 plots for zone specific infrastructure and remaining 5 plots are earmarked for public & support amenities.

The project is planned to be developed over 3 phases. It is proposed to develop 361 acres of land in phase I, 330 acres in phase II and 183 acres in phase III.

Since the existing approach road to the site has limited expansion possibility owing to presence of dense settlements on both sides of it, it is recommended to develop a new exclusive approach road of 30 m width and 550 m length along with a bridge of 100 m length and embankment for access road. This road will connect the proposed EZ with R820.

The proposed Master Plan has segregated the proposed EZ into Industrial Zone, Zone specific infrastructure area, Public and support amenities, utilities and roads, green spaces and water channels.

For master planning purpose, entire processing area has been considered as a single industrial zone having varied plot sizes. However, this zoning plan is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate the same.

Further to developing the best practice Master Plan, infrastructure plan has been developed for the proposed EZ in Nawabganj including the following –

**Site filling –** Based on the study of contour, it is recommended that the proposed EZ to be filled for a depth of about 1.2 m on an average in order to safeguard it against inundation during monsoons.

**Road –** The total length of the road planned within the proposed EZ is 20.9 km. This comprises 4-lane and 2-lane road network. Internal road network provides access to the industrial plots apart from providing access to areas having support amenities.

**Power –** Our assessment suggests that basis industrial assessment and demand forecasting for the proposed EZ, power demand for the proposed EZ would be about 97 MVA. This figure is indicative in nature and may vary based on on-ground implementation of the project. The private developer may undertake a separate industry assessment and master planning exercise in order to validate this figure. To cater to the above-mentioned power requirements a main receiving substation of 132 /33/11 kV substation could be established within the proposed EZ. Power to this substation can be availed from the existing 33 kV substation at Tikorpur located at a distance of 8 km from the proposed EZ.

**Water –** Our assessment suggests that basis industrial assessment and demand forecasting for the proposed EZ, potable water demand calculated for the proposed EZ would be about 9 MLD and total water demand would be 18 MLD. This figure is indicative in nature and may vary based on on-ground implementation of the project. The private developer may undertake a separate industry assessment and master planning exercise in order to validate this figure. In order to meet the stated water requirements, Dhaleshwari/Kalinga River (in close proximity to the proposed EZ), which is a perennial fresh water source could be tapped to meet the water requirements of the proposed EZ. However, detailed study and hydrogeological investigations need to be carried out to determine the exact intake point and intake system. Hence, it is suggested that the suitable intake system and intake point shall be proposed during detailed engineering stage.

**Sewer System –** Total sewage estimation of proposed EZ site is 2 MLD. Sewage Treatment Plant is proposed within the proposed EZ to treat the sewage water.

**Solid Waste Management –** The estimated total solid waste quantity for the proposed EZ is about 8 TPD.

Master plan and proposed infrastructure interventions in the proposed EZ necessitate the need for a social and environmental review to assess the impact arising from the development initiatives.

Social Review suggests that current use of the site area is predominantly agricultural with both double and triple crop cultivation taking place. Out of the ~874 acres of area identified by BEZA for setting up of this EZ, ~841 acres are privately owned, and ~33 acres have been identified as Khas land.

As per the sub-registry office of Nawabganj, the total cost of the land parcel is valued at is BDT 5338 million.

Since, majority of the lands is owned privately with current usage pertaining to agriculture throughout the year. Thus, the proposed project will result in the loss of livelihood. Based on consultations with the community, it was estimated that the number of Project Affected Persons (PAPs) will be 1800 minimum within the demarcated project area.

It is suggested that a detailed Social Impact Assessment (SIA) along with Resettlement Action Plan (RAP) should be undertaken to assess the social impact on the affected people and devise social management plan to mitigate the impacts of the land acquisition.

Environmental Review formulates Environment Management Plan (EMP) to mitigate adverse impact on the environment due to development of EZ. This EMP envisages precautions needed to be taken by the developer during pre-construction, construction and operation phases along with regular monitoring of environmental impacts. Fixed cost of implementing the EMP has been estimated to be BDT 87.84 million.

Basis the master planning and environmental management plan, the cost estimate of developing the EZ site is expected to be around BDT ~12,880 million. This is the total hard cost for development of infrastructure (off-site, on-site and EMP) in the proposed EZ. Estimated project cost is tentative in nature and may vary during on-ground implementation.

Taking into consideration the cost of developing the EZ and expected revenue that would be generated from the proposed EZ a financial model has been developed in order to assess the feasibility of developing this EZ. In order to do so, two cases were analyzed, Case 1 where BEZA plays the role of developer of the project and Case 2 where BEZA assigns a PPP developer to develop the project.

Analysis of project returns when BEZA plays the role of the developer and adopts queen bee strategy, reveals that although the project IRR is less than the desired values (13%) for similar projects for all option other that option 4 where offsite infrastructure is being developed by nodal agency and onsite infrastructure cost is financed by multilaterals, the project financials enables BEZA to service its debt and also recover its cost associated with the project when BEZA develops the infrastructure with assistance from the respective nodal agencies and multilaterals. This could enable BEZA to act as the developer of the project from the perspective of its ultimate objective of socio-economic upliftment of the communities through manufacturing-based employment generation.

On the contrary, the project financials in case of a PPP developer developing the project, indicates that the project returns are not attractive (9.92 %) when BEZA adopts the unconventional approach. On the other hand, in case of pay-outs being charged by BEZA in the form of upfront payment, annual land lease and revenue share, the project returns for the PPP developer further deteriorates to ~7.44%.

Thus, in order to suffice the strategic agenda behind the project and to imbibe private sector efficiency into it, PPP project structuring presents the most viable option for BEZA for developing the proposed EZ at Nawabganj. In lieu of the same, although the unconventional approach presents the most attractive opportunity in terms of the project returns for the PPP developer, but in order to recover its cost outlay BEZA may also explore the traditional PPP route. However, in order to maintain bankability of the project from the PPP developer's perspective, it is recommended that BEZA either sacrifices on the bid parameters by foregoing or reducing one or more of the pre-determined pay-outs or supports the PPP developer in obtaining concessional loans for funding the project; thus increasing its debt serviceability. Alternatively, infusion or extension of fiscal stimuli such as VGF or annuity or a combination of them to the PPP developer could also be an effective instrument in maintaining bankability for the project.

In addition to the financial modelling, an economic modelling exercise has also been undertaken to evaluate the economic benefits accrued from this project. Financial analysis (or Financial IRR) estimates the return accruing to the project operating entity (EZ developer), whereas Economic Internal Rate of Return (EIRR) estimates the return on the investment to the national economy. Economic analysis is essential to develop a rationale for Government of Bangladesh to support the development of the proposed EZ and illustrates the measure of the accrued economic benefits. A good EIRR would also assist the private developer in making a good case to be able to avail concessional loans and financial support.

Three scenarios have been considered for the purpose of EIRR calculation viz. conservative, base, and aggressive. Details of these scenarios are outlined in the demand forecasting exercise. Base case Economic Internal Rate of Return (EIRR) has been calculated as 31.57%, which indicates that the project is attractive and would provide good returns.

Based on the area, location attributes, stage of development, macroeconomic parameters, and subscription tariffs a bench-marking exercise has been undertaken with the intention of assessing the competitiveness of the proposed economic zone vis-a-vis other similar developments in the region or emerging economies.

The benchmarking exercise has assessed various parameters such as commercial terms, infrastructure availability, labour cost, distance from trade gateways, etc. for similar developments. This analysis not only provides the relative competitiveness of the proposed economic zone but also synthesises the key learnings from each of these zones. For the purpose of benchmarking of the proposed EZ with other competitors at the same development stage, a total of 6 economic zones/ industrial parks have been shortlisted at local, regional, and global levels. These 6 economic zones/ industrial parks are spread across countries such as India, Sri Lanka, Ghana, Indonesia and Cambodia.

Benchmarking exercise highlights the fact that the proposed EZ at Nawabganj is competitive with respect to the benchmarked zones in terms of land lease rental, power tariff, and labour cost. Moreover, provision of facilities such as Water Treatment Plant and Sewage Treatment Plant within the stipulated area of the proposed zone also keeps it at par with the competing zones as most of these zones entail such facilities. Incentives offered by the GoB for investors in Bangladesh are also competitive as compared to most of the competing zones which may again prove to be advantageous for the proposed EZ. On the other hand, higher land lease premiums and utility tariff as compared to the competing zones may act as a catalyst in augmenting the project profitability as some of the benchmarked zones show such trend compared to the proposed EZ, which calls for re-evaluation. Moreover, lack of ready-made social infrastructure in proximity to EZ could act as a hindrance to attract skilled human resources especially the expatriates. However, as stated in the Master Planning section, a land parcel has been earmarked for developing support amenities which can be used to establish vocational training centre, retail outlets and creche facility within the proposed EZ.

**The demand assessment reveals that the demand for industrial land in the catchment will reach the level to support the development of EZ by FY'24. From the financial analysis it has been observed that project fetch IRR greater than WACC in few cases of tariff plan 2 and Queen Bee strategy. This suggest that BEZA should be able to recover the project cost through the project revenue in those cases. Higher economic return shows the positive impact of the project on the macro market. BEZA should place the proposed EZ at Nawabganj under high priority[1], considering the overall scenario pertaining to demand, financial return and economic return.**

[1] *Basis the demand assessment site which can commence operation by Fy'25 are defined as high priority site for BEZA.*

# 2. Introduction

Bangladesh has been depicting sound growth with Gross Domestic Product (GDP) growth rate ranging over 6% in the last decade.[2] The country is taking rapid strides towards shaping up as a “developed economy” by 2041. Manufacturing sector outlook of Bangladesh is “factor driven” at present and the country specializes in production of basic products which are traditional and manpower oriented. The country aims to become efficiency driven economy in the future by focusing on efficient process and technology enablement to produce specialized products and to obviate the import dependency. Recent COVID-19 outbreak would have significant influence on this growth trajectory and in turn would cause slow-down in the short term.

So far, the growth trajectory of the country has been highly dependent on Ready Made Garments (RMG) and the export basket is not diversified. Govt. of Bangladesh (GoB) has realized that in order to shape up as developed economy, it is highly crucial to promote organized industrialization through diversification of manufacturing output. Economic Zone (EZ) development in the country is poised to promote inclusion of local supply chain, broadening the product portfolio, and increase export basket. This in turn shall enable a deeper rooted and inclusive growth for the economy in general.

Bangladesh Economic Zones Authority (BEZA) is the nodal agency and regulator of EZ development in the country. BEZA has embarked in an ambitious journey of proliferation of EZs within the country. To support the commitment of the government to develop EZs in Bangladesh, BEZA intends to undertake 12 independent pre-feasibility studies for setting up 12 Economic Zones in various locations.

Figure 1: Locations of the 12 Economic Zones


| Name of EZ | Area (acres) |
|---|---|
| Araihazar | 413.00 |
| Bhola | 304.07 |
| Chandpur | 3037.85 |
| Gopalgonj | 201.00 |
| Jamalpur | 402.66 |
| Manikgonj | 320.00 |
| **Nawabganj** | **874.0** |
| Nilfamari | 357.76 |
| Panchagarh | 580.00 |
| Sitakundo | 2369.00 |
| Sylhet | 255.83 |
| Tangail | 1761.85 |

*Source: Contract agreement executed between PwC and BEZA dated 26th June 2019*

**This report captures pre-feasibility assessment of proposed EZ at Nawabganj.**

As per the requirements of the terms of reference (ToR), details pertaining to team of consulting experts, project timelines (including list of deliverables), and broad outline of this engagement are furnished in the annexure.

[2] *As per World Bank data (constant price GDP data)*

# 3. Description of Site Location

Taking cues from similar EZs across the globe and basis opinions of various manufacturing sector players, it is imperative that a strategic EZ location should possess the following attributes-

- Good access to transport network to ensure smooth movement of input and finished goods
- Access to utilities (like Power, Water, and Natural Gas) to ensure continuous production activity
- Proximity to urban hubs ascertaining prevalence of social infrastructure

This chapter aims at assessing the key features of the proposed EZ to evaluate its adequacy to shape up as a prospective EZ location based on the above-mentioned aspects. This analysis is based on the information obtained through initial site reconnaissance and stakeholder consultation with various government departments.

## 3.1. Location of the Proposed EZ

Proposed EZ is located in Nawabganj Upazila of Dhaka district in Dhaka division. Regional landscape of Dhaka district indicates that the economy of Dhaka district is agro-based in the rural area and industry based in the urban area. Located in proximity to the capital city, proposed EZ has good access to domestic markets.

There are three major industrial/ urban clusters (Dhaka, Narayanganj and Gazipur) located within a radius of 100 km from the proposed EZ These nodes can act as the immediate market for the proposed EZ and may facilitate in establishing industrial linkages.

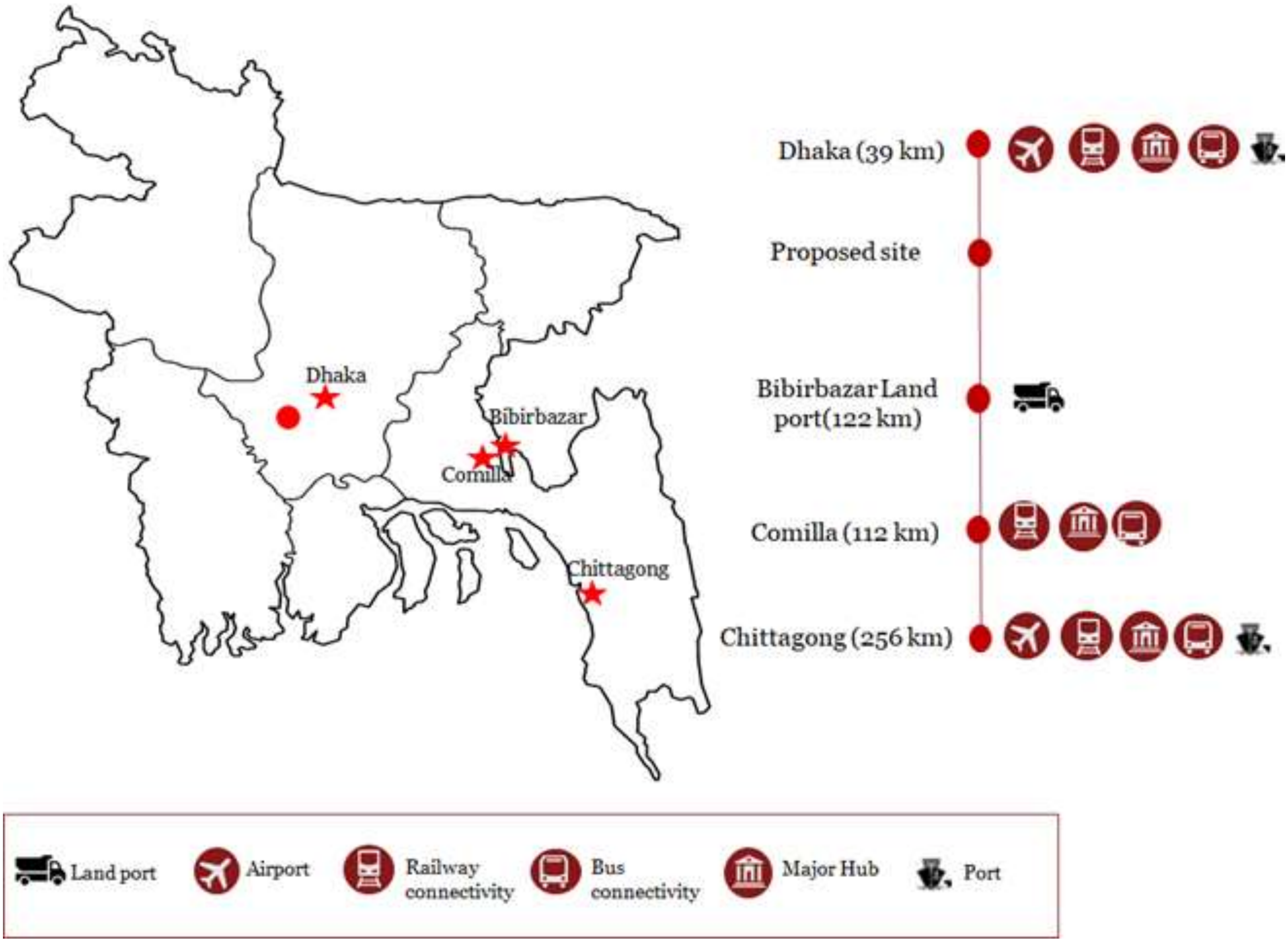
Figure 2: Location of the Proposed EZ and the Industrial/ Urban clusters


*Source: Google Map and PwC Research*

Proximity to the capital city yields the possibility of fast-moving consumable items in the proposed EZ. Since Dhaka is the major consumption hub of the country, industries which are consumption driven (like food and beverages, electronics and electrical) could be a possibility in the proposed EZ. Industry assessment shall delve into assessing the forward and backward linkages in context of these urban/ industrial nodes.

Following figure captures the distance of the proposed EZ from various urban/ industrial nodes and EXIM gateways of the country.

Figure 3: Urban/ industrial nodes and EXIM gateways with respect to the proposed EZ




*Source: Google Map and PwC Research*

## *3.2. Context of the Region Surrounding Proposed EZ*

As mentioned earlier, the economy of Dhaka district is agro-based in the rural area and industry-based in the urban area. Varieties of crops are available in this district such as local and HYV rice, wheat, jute, tobacco, potato vegetables, spices, pulses etc. Various fruits like mango, jackfruit, lychee, black berry, palm betel-nut, banana etc. are the main fruits produced in this district.[3] Besides crops, livestock, poultry and fishery are the important sources of household income in the district. Varieties of commercial fish are caught from rivers, beels and paddy fields during rainy season.

Main crops cultivated in the Nawabganj upazila are Paddy and spices, potato and pulse. Major fishing activities are undertaken in Ichamati and Dhaleshwari River. These agricultural and fish-based resources can act as steady supply of raw materials to the proposed EZ.

There has been industrial development in the region surrounding the proposed EZ. BSCIC Industrial estate at Keraniganj is at ~4 km from the proposed EZ. Currently it has agro based industries and leather products

[3] Bangladesh district statistics, 2011

industries. According to UNO officials, the upazila also has few Brick Kiln fields within ~10 km of the proposed EZ.

Details of the regional profiling including assessment of the local sourcing of input materials (thus the possibility of forward and backward linkages) have been captured in the industry assessment chapter.

## 3.3. Location Reconfirmation

Post site visit, based on primary data collected, site location and demarcation details have been reconfirmed.

Table 3: Location reconfirmation for the proposed EZ

| Parameters | Details |
|---|---|
| Site co-ordinates | 23°39'58.24"N, 90°15'58.65"E |
| Site boundaries on East | Branch of Ichamati river on southeast, agricultural land and settlements on northeast |
| Site boundaries on West | Agricultural land, water channels and settlements |
| Site boundaries on North | Agricultural land, settlements and Dhaleshwari river |
| Site boundaries on South | Ichamati river |
| Total area of the site | 874 acres |
| Privately owned land | ~841 acres |
| Government Land/ Khas land | ~33 acres |
| Current land use pattern | Agriculture land (~40% dual crop; ~30% triple crop; ~25% single crop and ~ 5% is used for fish farming), green vegetation and water bodies |
| Resettlement within the site | There are no settlements within the proposed EZ boundary |
| Nearest administrative node/ town | Nawabganj, Dhaka |
| Expansion potential | • East: Not possible as branch of Ichamati river is present<br>• West: May be possible as agricultural land, water channels and settlements are located<br>• North: May be possible as agricultural land, and settlements are located<br>• South: Not possible as Ichamati river is located<br><br>Hence the expansion potential is more towards the west, north and northeast side. However, this is subjected to land survey and might require rehabilitation and retaining of some water channels connecting river to rivers Dhaleshwari and Ichamati |
| Site surrounding features | • Dhaleshwari and Ichamati rivers are adjacent to the proposed EZ<br>• BSCIC Industrial estate (~4 km) |

*Source: Information obtained from Site visit and MACE Analysis*

**Since majority of the land parcel is privately owned, thus significant cost and time would be consumed for land acquisition activities.** Details of the same are captured in social review section of this report.

Following figure elucidates the site boundary of the proposed EZ.

Figure 4: Site boundary of the proposed EZ


| Nawabganj EZ site coordinates | | |
|---|---|---|
| ID | Easting | Northing |
| A1 | 90°16'8.25"E | 23°40'42.06"N |
| A2 | 90°16'40.84"E | 23°40'14.43"N |
| A3 | 90°16'23.48"E | 23°39'56.75"N |
| A4 | 90°16'29.74"E | 23°39'50.84"N |
| A5 | 90°16'18.00"E | 23°39'40.97"N |
| A6 | 90°16'19.00"E | 23°39'26.97"N |
| A7 | 90°16'14.09"E | 23°39'14.68"N |
| A8 | 90°15'51.72"E | 23°39'21.26"N |
| A9 | 90°15'31.88"E | 23°40'3.24"N |
| A10 | 90°15'30.94"E | 23°40'11.42"N |
| A11 | 90°15'35.66"E | 23°40'31.15"N |

*Source: Information obtained from Site visit and MACE Analysis*

## 3.4. Access to Transport Network

For any location to shape up as a potential EZ, access to multimodal connectivity is an important feature. In this report, a holistic review of the transport network has been undertaken; details of the same are captured in the transport assessment section of this report. Following table captures the details of various modes of transport with respect to the proposed EZ.

Table 4: Assessment of transport infrastructure

| | |
|---|---|
| **Highway connectivity** | • Dhaka-Mawa Highway (N8) (~13 km) is the nearest national highway.<br>• Nearest highway for the proposed EZ is Keraniganj-Nawabganj road (R820), which is connected with N8. R820 is a two-lane bituminous road which supports the movement of heavy vehicles.<br>• N8 connects the proposed EZ with Dhaka (39 km) and further connects with 4-lane Dhaka – Chittagong (N1) highway, thus connecting the proposed EZ with Comilla (112 km), and Chittagong (256 km). |
| **Last mile connectivity with nearest highway** | • A ~450m long earthen road (10 feet width) originating from R820 provides the last mile approach to the proposed EZ.<br>• Possibility of widening this earthen road needs to be evaluated in detail by studying the land records. |
| **Rail connectivity** | • Kamalapur railway station (approx. 23 km) is the nearest junction station which has cargo handling facility.<br>• It can be reached from Keraniganj-Nawabganj road (R820).<br>• Kamalapur railway station is connected to all the major nodes of the country. |
| **Air connectivity** | • Hazrat Shah Jalal International Airport (~39 km) at Dhaka is the nearest airport. It can be accessed via R820 and Dhaka-Paturia highway (N3). |
| **Sea Port and IWT connectivity** | • Proposed EZ is located adjacent to Dhaleshwari and Ichamati Rivers (within an aerial distance of 1 km). As per BIWTA, Dhaleshwari river is class I route (draft available is 2.5-3.5 m) and thus it is navigable. Ichamati is a seasonal river and is not navigable in nature. Possibility of cargo movement through these rivers is subject to feasibility assessment.<br>• Narayanganj river port (~38 km) is accessible via R820 onto Dhaka-Demra road (R110). It is a port of call for the Protocol on Inland Water Transit and Trade (PIWTT) between India and Bangladesh which facilitates movement of passenger and cargo between the two countries.<br>• Chittagong Sea Port (~256 km) can be accessed via R820 and N8 and further through N1. |
| **Land Port Connectivity** | • Bibirbazar land port (approx. 122 km) is the closest land port and it is connected through R820 and further through N1.<br>• Akhaura land port (~148 km) is connected via R820 and Dhaka-Sylhet highway (N2). |

*Source: Data collected during site visit and secondary research*

## 3.5. Utility Linkages

Availability of utilities is most critical to support day to day operations of any industry. Different industries have varying requirement of utilities depending on their raw material and final products. Basic utilities that are required by any industry can be captured in three baskets i.e. power, water, and gas. It is important for industries to have uninterrupted access to utility sources to facilitate manufacturing.

Table 5: Assessment of utility linkages

| | |
|---|---|
| **Power availability** | • Basis site reconnaissance, nearest power source is Tikorpur substation (~6 km).<br>• This sub-station has a total capacity of 20 MW and surplus power available is about 12 MW.<br>• This can be relied as a source of power to meet the power requirements of the initial construction activities (approx. 4 MVA) for proposed EZ.<br>• Basis discussion with UNO officials, there is a 230-kV grid substation located in Aminbazar (~ 27 km) with 675 MVA capacity.<br>• Total power demand during operation stage is around 96 MVA. Provisions for connecting power supply from this grid substation to the proposed EZ is assessed in master planning section of this report. |
| **Water availability** | • River Dhaleshwari and River Ichamati are flowing adjacent to the proposed EZ which can act as surface water sources<br>• Groundwater depth in the area surrounding the proposed EZ varies from 500 to 600 ft.<br>• Estimated water demand is approx. 30 MLD |
| **Gas availability** | • Nearest gas tapping point is Keraniganj BSCIC (approx. 4 km).<br>• There is an ongoing project which envisages to connect Pangaon Valve Station to Keraniganj BSCIC by Construction of 12" DN x 140 psig x 20.32 km pipeline.[4]<br>• Other gas sources in this region are in Keraniganj DRS (approx. 16 km) and Haripur (approx. 39 km). |
| **Others** | • Grameen Phone, Rabi & Banglalink provide telecom connectivity in this region<br>• Presently, there is no wastewater treatment facility and solid waste management facility in the vicinity of the proposed EZ.. |

*Source: Data collected during site visit and secondary research*

[4] GTCL

## 3.6. Access to Social Infrastructure

An important predecessor for establishing of industries in a region is the type of social infrastructure that is present in the region. Access to of educational institutes determine the availability of skilled local manpower; quality of medical facilities determine whether skilled manpower can be brought in from outside to work at a place or not. Hence, it is important to understand social infrastructure available in Nawabganj upazila.

Table 6: Prevailing social infrastructure

| | |
|---|---|
| **Educational facilities** | • There are over 250 schools (primary, secondary) and 5 colleges in Nawabganj upazila.<br>• State of the art academic institutions are in Dhaka (~39 km).<br>• There is a total of 1,097 Technical and Vocational Education and Training (TVET) institutes operational in the Dhaka district. These institutes can help in sourcing semi-skilled human resources for the proposed EZ.<br>• Industries in the proposed EZ may consider customizing the courses in the TVETs to suit to the industrial requirements, this shall facilitate in easy sourcing of human resources. |
| **Medical facilities** | • There are 1 Upazila Govt. Hospital (50 Bed facility), 1 Trauma Centre (50 bed facility), 3 satellite clinics, 12 Union Health & family planning centers, 72 Satellite clinics in Nawabganj upazila.<br>• In addition, there are also a few Union Health and Family Welfare Centers being operated by Directorate of General Health Services in Dhaka district.<br>• Basic healthcare facilities are available in these medical units and good quality medical facilities are available in Dhaka (~39 km). |

*Source: Data collected during site visit and secondary research*

### 3.6.1. Voice on Ground about the Location

Stakeholder consultations conducted as part of our mandate has captured the opinion formed by local (Nawabganj and regional level) and national (Bangladesh level) investors/ other stakeholders about the locational attributes of the proposed EZ.

| | |
|---|---|
| National Food and Beverages Player | "Proximity to Dhaka will help us access the consumption market in the country with ease and distribute the finished goods in the city." |
| Local Govt. stakeholder | "Nawabganj can prove to be a viable investment destination for tenants looking for land near Dhaka. It may also benefit the administration to de-congest Dhaka and adjoining areas" |
| Local Chemicals player based in BSCIC | "Our facility in BSCIC Keraniganj could benefit from the proposed EZ in terms of sourcing of raw materials and also our intermediate goods could find takers in the proposed EZ. In future we can think of expanding our facility into the proposed EZ if we are offered robust incentives" |
| National RMG player | "The location of the economic zone will be strategic for the development of RMG industry, given the existence of the RMG value chain in the Dhaka region." |

*Source: Primary stakeholder consultations*

## 3.7. Key Takeaways

- Proposed EZ is spread across an area of 874 acres, out of which 834 acres is privately owned land and the rest 40 acres belongs to the Government. This shall poise a significant challenge in terms of land acquisition.
- Located in proximity to the capital city Dhaka, proposed EZ has good access to markets and ease in sourcing human resources. Proposed EZ has good road and rail connectivity but located far away from the EXIM gateways.
    - Dhaka-Mawa highway (N8) is the nearest highway (~13 km) and provides access to all urban/ industrial nodes and EXIM gateways.
    - Approximately 450m long earthen road from Keraniganj-Nawabganj road (R820) provides the last mile connectivity to the proposed EZ.
    - Kamalapur railway station (~23 km) is the nearest rail node from the proposed EZ which has cargo handling facilities.
    - Chittagong seaport (~256 km) is the nearest port to the proposed EZ and has direct road connectivity
- Proposed EZ has access to all utility sources.
    - Tikorpur sub station (~6 km) can be used for sourcing initial power requirement. Aminbazar 230 kV substation (~27 km) can act as the source of power during operation stage.
    - River Dhaleshwari and River Ichamati are adjacent to the proposed EZ which can act surface water source and ground water is available at a depth of 500 to 600 feet.
    - Nearest gas tapping point is in Keraniganj BSCIC (~4 km) and there are two more gas sources within a radius of 40 km.
- Owing to proximity of capital city of Dhaka, good quality medical and academic facilities are accessible from the proposed EZ. It is recommended that a vocational training center be established in the non-processing area of the proposed EZ to cater to the needs of skilled manpower required by the industries.

# 4. Competition Benchmarking

## 4.1. Key Objectives

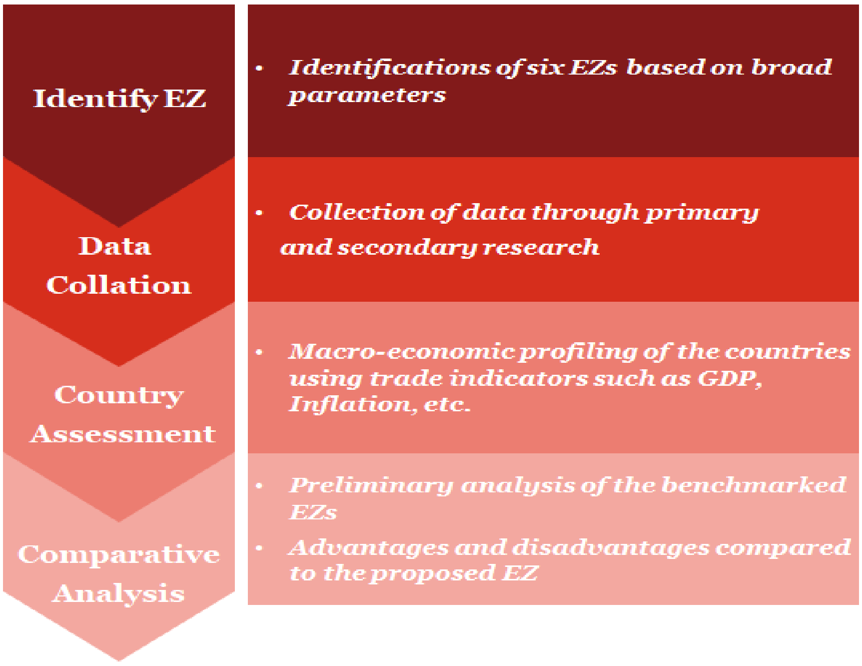
It is imperative for any economic development project across geographies to understand the prevalent best practices in a particular landscape. Thus, the success of an economic zone can often be co-related with similar developments across comparable economies around the globe. Moreover, at the inception stage, a developer, whether Government or private should be well acquainted with the best practices and key drivers of the economic zones that have been successfully fulfilling their potential across the world. In order to gain that knowledge, studying and understanding of the development strategies of other economic zones becomes crucial from the perspective of imbibing and applying the best prevalent practices of the world.

Based on this premise, this chapter attempts to provide a profiling of various economic zones which share similar physical and economic attributes as the proposed economic zone.

## 4.2. Methodology of Benchmarking

The benchmarking exercise has been conducted through extensive research which entailed primary interactions with developers of economic zones supported by detailed secondary research, etc. An illustration for the flow of the benchmarking exercise has been depicted below:

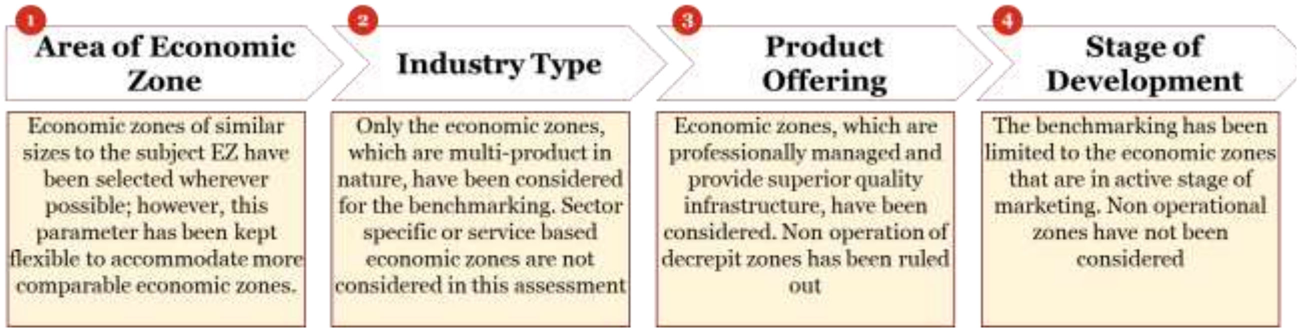
Figure 5: Benchmarking Methodology




*Source: PwC Analysis*

The identification of economic zones has been carried out on the following broad parameters as described below:

Figure 6: Selection criteria for economic zones for benchmarking




*Source: PwC Analysis*

The data obtained through primary interactions (telephonic, email correspondence etc.) have been further validated through detailed secondary research in order to ensure data adequacy and accuracy.

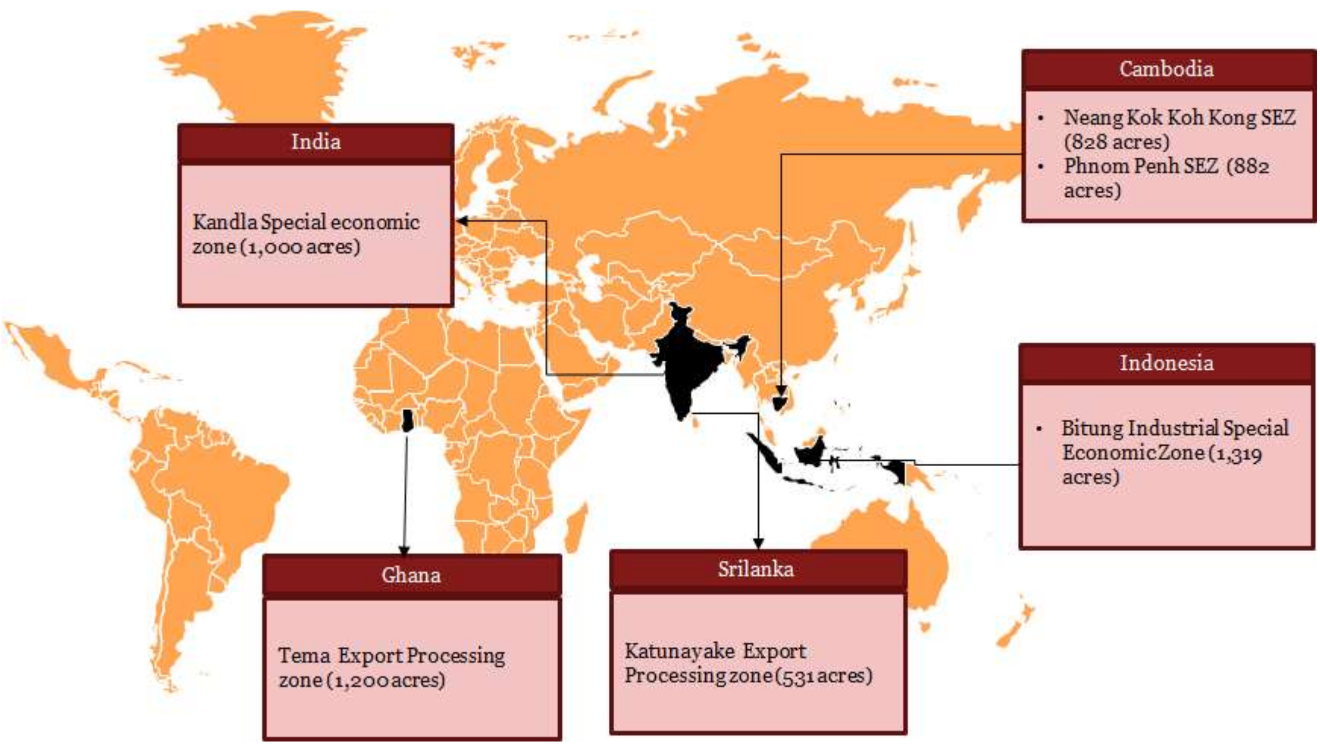
Post receipt of all data points a brief macro-economic profiling of the respective countries has been conducted to assess their economic landscapes.

Finally, a comparative assessment of all these EZs have been done keeping the proposed Nawabganj EZ in cognizance in order to pinpoint and understand the best practices.

## 4.3. Competitor Identification

The subject economic zone is located in Nawabganj, Bangladesh and is envisaged to cover a **land area of 874 acres.** Based on extensive research and the parameters as highlighted above, the following economic zones have been identified in the figure shown on next page.

Figure 7: Geographic Spread of Comparable EZ




*Source: PwC Research*

A brief overview and rational for selection for each of these economic zones have been provided below:

*Table 7: Brief Overview of Shortlisted SEZ*

| Name of economic zone | Country | Type of industries | Business Model | Land Area | Rational |
|---|---|---|---|---|---|
| Katunayake Export Processing Zone | Sri Lanka | Electrical and Electronics, Light Machinery, Food Processing, Furniture products, toys | Government | 531 acres | • Area(s) of these shortlisted EZs are similar to the proposed EZ<br>• All the shortlisted EZs are multi-product in nature and industrial mix is similar to the proposed EZ<br>• All these shortlisted EZs are at active stage of marketing<br>• Macro-economic conditions of the shortlisted countries are similar to that of Bangladesh |
| Kandla SEZ | India | Automotive, Light Engineering, Food & Beverages, Fast Moving Consumer Goods (FMCG) | Government | 1,000 acres | |
| Tema Export Processing Zone | Ghana | The proposed priority sectors include oil and gas, agro processing, minerals processing, manufacturing, ICT (data processing/ assembling) | Private | 1,200 acres | |
| Bitung Industrial Special Economic Zone | Indonesia | Fish processing, coconut processing, pharmacy industries, logistics, agricultural industries, food processing, shipyard & metal industry and tourism | Government | 1,319 acres | |
| Neang Kok Koh Kong SEZ | Cambodia | Light engineering, equipment such as vehicle assembly and spare part | Government | 828 acres | |
| Phnom Penh SEZ | Cambodia | Garment and footwear, food processing and agricultural products, mechanical and electrical products and other consumer products (e.g., pharmaceutical, and packaging | Government (G2G) | 882 acres | |

*Source: PwC Research*

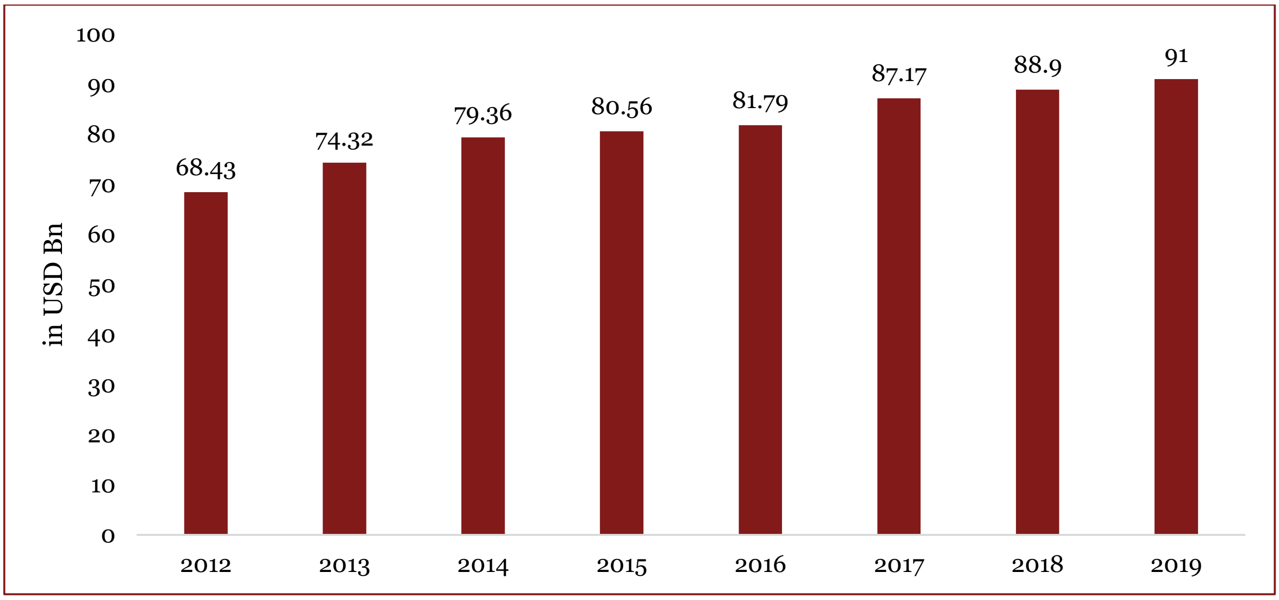
The following sections of the report shall elucidate the macroeconomic landscape of the each of the host country and a profiling of the respective economic zones.

The following sections of the report shall elucidate the macroeconomic landscape of the each of the host country and a profiling of the respective economic zones to understand the best practices in similar economy and geography. Apart from shortlisted EZ/EPZ mentioned above detailed profiling of Adamjee EPZ has been done to understand existing regime in the country and micro market. The detailed case study has been furnished in Annexure 3.

## 4.3.1. Sri Lanka

Sri Lanka is an island nation located in the Indian Ocean southwest of the Bay of Bengal and southeast of the Arabian Sea. The country is also an emerging economy like Bangladesh and has a thriving garments sector. The country's main economic sectors are tourism, tea export, clothing, rice production, and other agricultural products. The major exports of the country are tea, garments, fish, spices, etc. The Government of Sri Lanka in a bid to attract foreign investments have also developed Export Processing Zones in the country and are also providing prudent incentives. The GDP growth trend of Sri Lanka over the years has been depicted below. **Data used for the analysis is the latest data point available in the respective database.**

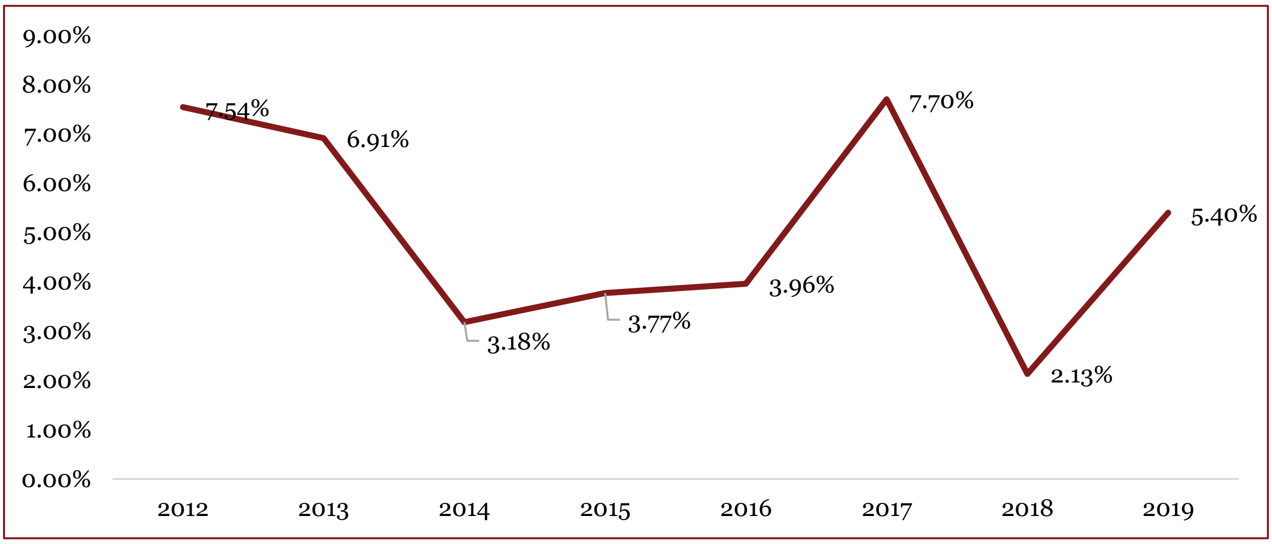
Figure 8: GDP of Sri Lanka




*Source: World Bank*

Post the political unrest in Sri Lanka, the inflation rates have experienced a sinusoidal curve of rise and decline steeply over the past one year on account of natural disasters like cyclone which resulted in escalation of food prices. **Data used for the analysis is the latest data point available in the respective database.**

Figure 9: Inflation Trend of Sri Lanka




*Source: World Bank*

The other broad level economic parameters of the country have been depicted below –

Table 8: Macro-economic Parameter of Sri Lanka

| Macroeconomic Indicator | Description | Data Source |
|---|---|---|
| Unemployment | 4.4% | The Heritage Foundation |
| FDI Inflow | USD 1.6 billion | The World Bank |
| Exports | USD 11.1 billion | ITC Trade Map |
| Imports | USD 15.8 billion | ITC Trade Map |
| Heritage Foundation's Index of Economic Freedom Rankings. | 112 | The Heritage Foundation |
| Cato Institute's Human Freedom ranking | 110 | Human Freedom Index \| Cato Institute |
| World Economic Freedom's Global Competitive Index Rating | 84 | Global Competitiveness Index 2019 rankings |
| WB Doing Business ranking | 168 | Doing Business 2020 |

*Source: PwC Research*

Sri Lanka's overall score has increased from previous years owing to improvements in investment freedom, business freedom and judicial effectiveness. The economy of Sri Lanka is transitioning from being predominantly rural-based to urban economy-oriented around manufacturing and services. The government is implementing fiscal reforms, improving public financial management, increasing public and private investments, addressing infrastructure constraints and improving competitiveness.

Post analysis of the broad macro-economy of Sri Lanka, an analysis of the Katunayake Export Processing Zone has been provided on the next page –

## *4.3.1.1. Katunayake Export Processing Zone*

The Katunayake Export Processing Zone is located 29 Km North-East of Colombo, Capital city of Sri Lanka. It is the largest Zone in the country with close proximity to the Bandaranaike International Airport, accommodating enterprises from different sectors and declared as a bonded area for Hub operations. The zone houses industries from sectors like light machinery, food processing, electrical and electronics, furniture products, toys etc. The zone has benefited from presence of superior quality infrastructure like internal roads, utility connections, well laid out internal roads, etc.

Figure 10: Katunayake Export Processing Zone


*Source: Google Images*

A detailed profiling of the park is provided in the next page-

Table 9: Katunayake Export Processing Zone

| Factors | Katunayake Export Processing Zone |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 1978 |
| Land Size (acres) | 531 acres |
| Number of Plots | There are approx. 108 plots in Katunayake EPZ[5] |
| No. of Development Phases | The development has been carried out in 4 phases |
| Land Lease (+length) or Sale (Taka/USD) | There is a minimum upfront land premium of USD 60,000/acre (BDT 5,096,793/acre) (for a lease period of 50 years)<br>Additionally, there would be a land rental of USD 5,130/acre /annum (BDT 435,776/acre/annum) |
| Pre-Built Factories (PBF) (Y/N) | There are no PBF available as a part of the product offering |
| Lease Rate for PBF (Taka/USD) | There is no lease rate for PBF since PBF are not provided as a part of the product mix |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | There is a dedicated grid substation of capacity 63 MVA |
| Cost of Power (Taka/USD) [6] | For Industries with demand less than or equal to 42 KVA the cost of power is as follows:[7]<br>• For consumption <301 KwH, the tariff is USD 0.069/KwH (BDT 5.86/KwH)<br>• For consumption >300 KwH, the tariff is USD 0.078/KwH (BDT 6.63/KwH)<br>For Industries with demand more than 42 KVA the cost of power is as follows:<br>• During peak hours, the tariff is USD 0.13/KwH (BDT 11.04/KwH)<br>• During daytime, the tariff is USD 0.071/KwH (BDT 6.03/KwH)<br>• During Off-peak, the tariff is USD 0.044/KwH (BDT 3.74/KwH) |
| Cost of Water (Taka/USD) [8] | The charge of industrial water is USD 0.47 / cu. M (BDT 39.92 / cu. M) |
| Onsite Wastewater Treatment Plant (Y/N) | There is a centralized Effluent Treatment Plant facility available, charging USD 0.09/ cu. M (BDT 7.65/ cu. M) of wastewater treated. |
| **Transport costs** | |
| Cost of shipping 20-foot FCL container shipping to Colombo[9] | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Colombo port → USD 1,000<br>• Rotterdam – Colombo port → USD 1,012<br>• Antwerp – Colombo port → USD 1,083<br>• New York – Colombo port → USD 1,080 |
| **Cost of Labour (Taka/USD)** | |
| Management | The average salary for a management professional is approx. USD 800 / month[10] (BDT 67,957/month) |
| Technicians | The average salary for a technician is approx. USD 280 / month[11] (BDT 23,785 /month) |
| Skilled | The average salary for a skilled labour is approx. USD 128 / month[12] (BDT 10,873/month) |
| Unskilled | The average salary for an un-skilled labour is approx. USD 84 / month[13] (BDT 7,136/month) |

[5] *http://investsrilanka.com/location/katunayake-epz/*
[6] *Source: http://www.ceb.lk/for-your-business/*
[7] *https://www.ceb.lk/commercial-tariff/en*
[8] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_applicable_boi_charges*
[9] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[10] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[11] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[12] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[13] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*

| Factors | Katunayake Export Processing Zone |
|---|---|
| **Sectors** | |
| Type of Sectors within the Zone | Light Machinery, Food Processing, Electrical and Electronics, Toys and Furniture Products |
| **Special Regime** | |
| Yes/No | Yes, there's a special regime for incentives |
| **Fiscal Incentives** | |
| Customs Duties | • Exemptions of Customs Duty on capital goods and raw materials.<br>• Non-export-oriented companies are entitled to import project related capital goods free of Customs Duty. |
| Corporate Taxes / Indirect Taxes | • Exemption of tax on dividends.<br>• Minimum tax exemption of 4 to 11 years depending on the type of sectors and percentage of exports. |
| Income Tax on Profits | • Income tax exemption up to 5 years<br>• Reduced rate after 5 years/ tax holiday is levied at 12% to 28% depending on the income. |
| Social Security Tax | There is social security tax in Sri Lanka. The employer contributes 12% and the employee 8% of remuneration to the EPF. The employer also contributes 3% of employee remuneration to the Employee Trust Fund. Employees that have completed 5 years of service are entitled to a gratuity at the time of retirement at a rate of 50% of the last drawn salary multiplied by the number of years of service at the time of retirement. |
| No restrictions on Money Transfers | Sri Lanka does not impose any restrictions on the repatriation of profits. The government allows 100% repatriation on earnings, fees and capital, and on foreign exchange transactions relating to current account payments. |
| Others | • Exemption of transfer charges on transfer of land |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | Yes, one stop shop is available within the zone. |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone |
| Onsite Convenience Retail | There is no onsite convenience retail available within the zone |
| Onsite Housing | There is no onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There are onsite community facilities (playground, leisure park, healthcare facilities and sports complex) available within the zone |
| Onsite Security | There is onsite security available within the zone |
| **Quality of Life** | |
| International Housing (Within 15 Km) | Residential facilities are available in Kowinna, Jayawardanapura and Mahunupitiya towns which are within 15 km to the EPZ. The commercial capital city, Colombo is round 29 km from the EPZ which has international standard residential facilities. |
| International Hospital/Clinic (Within 20km) | Healthcare facilities are available inside the EPZ. Air Force Hospital is just 8 km away from Katunayake EPZ. International hospitals available in Colombo (~29 km) |
| International Schools (Within 20 kms) | Superior quality educational institutes like Institute of Engineering Technology is present in proximity to the zone. University of Colombo, University of Sri Jayewardenepura and several other international educational institutions are in Colombo. |

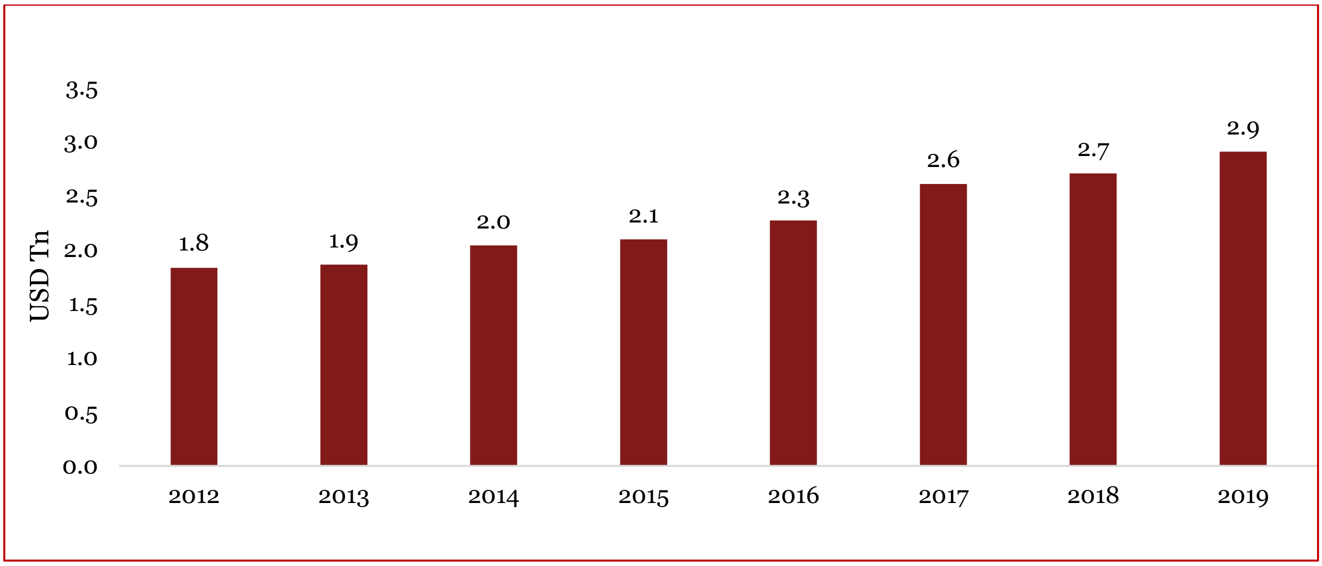
*Source: PwC Analysis*

The Katunayake EPZ is well connected with the commercial city of Colombo, which also houses one of the largest transshipment ports of Asia. The zone is also located in close proximity to Bandaranaike International Airport and Katunayake Railway Station which allows seamless movements of goods from the export processing zone. The industrial infrastructure and the strategic location of EPZ has resulted in a number of investors setting up manufacturing units within the zone.

## 4.3.2. India

India is one of the largest and oldest trade partners of Bangladesh and shares longstanding trade and cultural relationships with the country. India also shares its longest internationals borders with Bangladesh. India has emerged as one of the fastest growing economies of the world and registered healthy GDP growth rates during the first decade of the 2000s. This has promoted the country towards the verge of being one of the strongest economies of South Asia. **Data used for the analysis is the latest data point available in the respective database.**

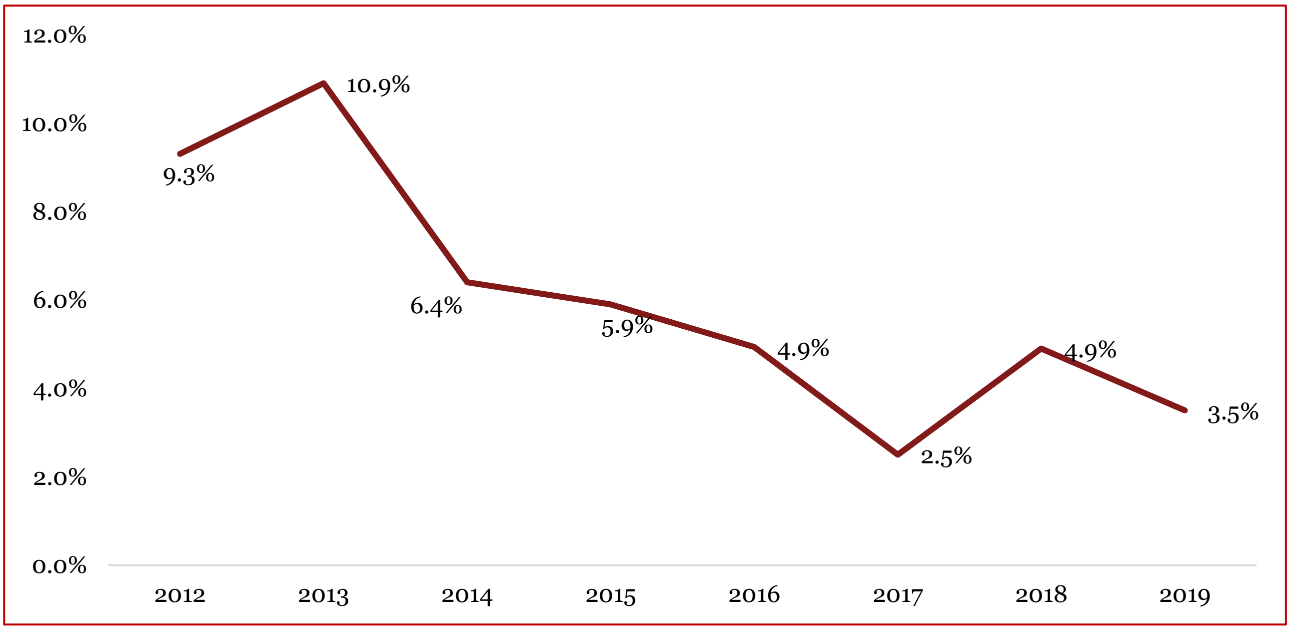
*Figure 11: GDP Trend of India*




*Source: World Bank*

Inflation rates in India have improved post a surge owing to decreasing prices of food grains and the same is depicted below. **Data used for the analysis is the latest data point available in the respective database.**

*Figure 12: Inflation Trend of India*




*Source: World Bank (https://data.worldbank.org/indicator/FP.CPI.TOTL.ZG?end=2018&locations=IN&start=2012)*

The other macroeconomic indicators for the country have been summarized below:

*Table 10: Macro-economic Parameter of India*

| Macroeconomic Indicator | Description | Data Source |
|---|---|---|
| Unemployment | 2.6% | The Heritage Foundation |
| FDI Inflow | USD 42.12 Billion | The World Bank |
| Exports | USD 322.78 Billion in 2019 | ITC Trade Map |
| Imports | USD 480 Billion in 2019 | ITC Trade Map |
| Heritage Foundation's Index of Economic Freedom Rankings. | 120 | The Heritage Foundation 2019 |
| Cato Institute's Human Freedom ranking | 94 | Human Freedom Index \| Cato Institute |
| World Economic Freedom's Global Competitive Index Rating | 68 | Global Competitiveness Index 2019 rankings |
| WB Doing Business ranking | 63 | Doing Business 2020 |

*Source: PwC Research*

India was a restricted economy pre-1990s. Economic liberalization measures like industrial deregulation, privatization of state-owned enterprises and reduced controls on foreign trade and investment began in the 1990s and liberated the economy from a longstanding regime of regulations. The country since then has gradually become a more open market economy from a largely regulated and restricted one. The introduction of Goods & Services Tax (GST) was a paradigm shift in its taxation regime. This is evident in the ease of doing business ranking where the country improved its standings from 100 in 2018 to 63 in 2020.

However, a push in infrastructure development together with increased public spending and initiatives such as "Make in India" has helped India gain significantly on the economic competitiveness front and become a leader amongst South Asian economies.

Post identification of the various macro-economic parameters of India, the subsequent section of the report intends to highlight the various attributes of identified economic zone in the country.

### *4.3.2.1. Kandla Special Economic Zone*

The Kandla Special Economic Zone is located Situated on the gulf of Kutch on the west coast of Gujarat, India at a distance of ~9 Kms from Kandla port and ~60 Kms from Adani Port Mundra. It is spread across approx. 1,000 acres in close proximity to the Kandla Port which is the India's hub for exporting grains and importing oil and one of the highest-earning ports in the country. The economic zone is the first Export Processing Zone (EPZ) in Asia. The SEZ houses industries like chemicals, textiles and garments, plastic, pharmaceuticals etc. The zone also provides superior quality infrastructure along with reliable utility connectivity which has vastly facilitated investments within the zone. The facilities within the SEZ and the policies which are advantageous to investors has attracted many companies to set up units in the SEZ.

Figure 13: Kandla Special Economic Zone

*Source: Google Images*

The detailed profiling of the Kandla Special Economic Zone is provided below:

Table 11: Kandla Special Economic Zone

| Factors | Kandla SEZ |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 1965 |
| Land Size (acres) | 1,000 acres |
| Number of Plots | Over 255 performing units are operational within the special economic zone as on March 31st, 2019.[14] |
| No. of Development Phases | The development has been carried out over a period of time but in a single phase |
| Land Lease (+length) or Sale (Taka/USD) | The land lease for industrial land is USD 3.25 / sq.m / annum (BDT 276.08 / sq.m / annum) |
| Pre-Built Factories (PBF) (Y/N) | There are Pre-Built Factories provided as a part of the product offering |
| Lease Rate for PBF (Taka/USD) | • Lease rentals for PBF are USD 23.03 / sq.m / annum (BDT 1956.32/ sq.m / annum) for ground floor built-up area;<br>• Lease rentals for PBF are USD 20.34 / sq.m / annum (BDT 1727.81 / sq.m / annum) for first floor;<br>• Lease rentals for PBF are USD 17.65 / sq.m / annum (BDT 1499.31/ sq.m / annum) for second floor; |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | There is no onsite captive power plant available for the special economic zone |
| Cost of Power (Taka/USD) | Fixed charges of USD 0.08 / KwH (BDT 6.80/ KwH) |
| Cost of Water (Taka/USD) | The charge of industrial water is USD 0.76 / KL (BDT 64.56/KL) |

[14] *http://kasez.gov.in/welcome-to-kasez/*

| Factors | Kandla SEZ |
|---|---|
| Onsite Wastewater Treatment Plant (Y/N) | There is onsite wastewater treatment plant available within the special economic zone |
| **Transport costs** | |
| Cost of shipping 20-foot FCL container shipping to Chennai | • Hamburg – Kandla → USD 1,415[15]<br>• Rotterdam – Kandla → USD 1,415[16]<br>• Antwerp – Kandla → USD 1,303[17]<br>• New York – Kandla → USD 1,888[18] |
| **Cost of Labor (Taka/USD)** | |
| Management | The average salary of an operations manager is estimated at USD 803.97/month[19] (BDT 68294.48/month) |
| Technicians | The average salary of a maintenance technician is estimated at USD 297.76/month[20] (BDT 25293.68/month) |
| Skilled | The salary of a skilled labour is approx. USD 210 / month[21] (BDT 17,839/month) |
| Unskilled | The salary of an unskilled labour is approx. USD 151.64/month[22] (BDT 12,881/month) |
| **Sectors** | |
| Type of Sectors within the Zone | Textile & garments, Light Engineering, Chemicals, Plastics, Pharmaceuticals, FMCG |
| **Special Regime** | |
| Yes/No | **Yes**, there's a special regime for incentives |
| **Fiscal Incentives** | |
| Customs Duties | Exemptions from Customs duty on imports. |
| Corporate Taxes / Indirect Taxes | Exemption from central and state level taxes |
| Income Tax on Profits | 100% Income Tax exemption on export income for SEZ units under Section 10AA of the Income Tax Act for first 5 years, 50% for next 5 years thereafter and 50% of the ploughed back export profit for next 5 years. |
| Social Security Tax | No social security tax is available in India |
| No restrictions on Money Transfers | Profit and dividend earned from an Indian company are repatriable after payment of dividend distribution tax (DDT). DDT @ 16.995% (inclusive of cess) is payable by the company (that declares dividend) on the amount of dividend distributed. However, dividend is free of Indian income tax in the hands of the recipient shareholders, Indian or foreign. Profit of LLP is flow-through and repatriable without payment of any taxes and without any regulatory approval[23]. |
| Others | • Exemption from Service Tax<br>• Exemption from payment of Royalties & Cess on construction materials |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | **Yes**, there is a one stop shop within the zone |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone |
| Onsite Convenience Retail | There is onsite convenience retail available within the zone |
| Onsite Housing | There is onsite housing (KASEZ Township) available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There are no onsite community facilities available within the zone |

[15] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[16] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[17] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[18] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[19] *Source: https://www.payscale.com/research/IN/Location=New-Delhi-Delhi/Salary*
[20] *Source: https://www.indeed.co.in/salaries/Maintenance-Technician-Salaries,-New-Delhi-DL*
[21] *Source: http://www.averagesalarysurvey.com/india*
[22] *Source: https://tradingeconomics.com/india/wages-low-skilled*
[23] *Source: http://www.dobusinessinindia.in/repatriationoffund.php*

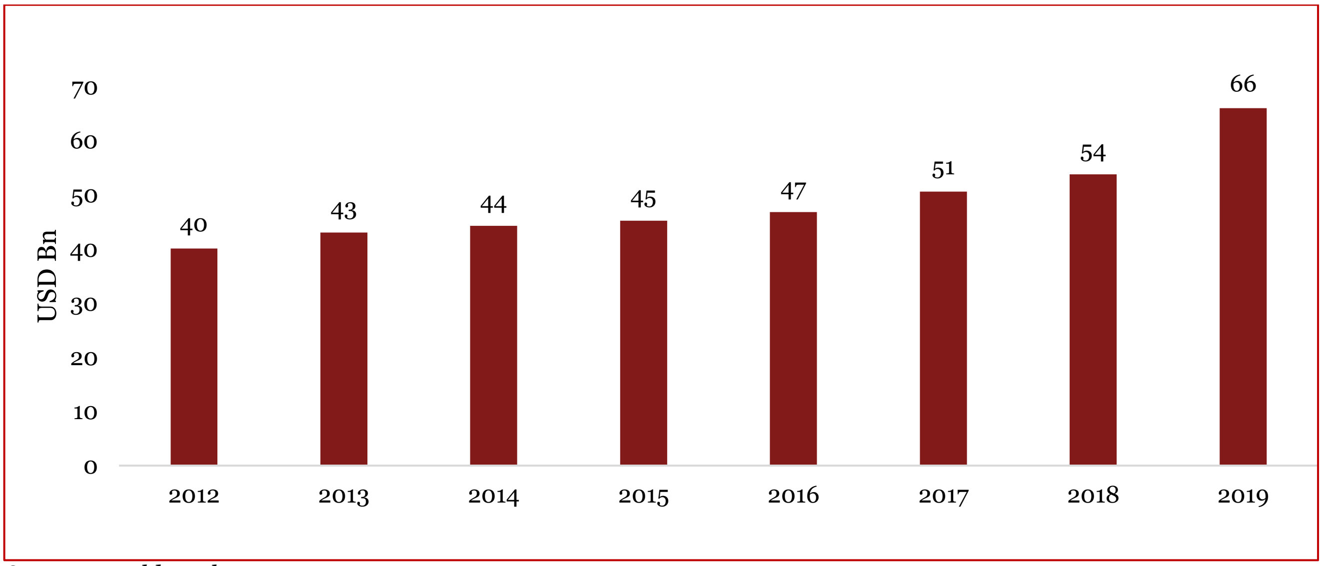
| Factors | Kandla SEZ |
|---|---|
| Onsite Security | There is onsite security available within the zone |
| **Quality of Life** | |
| International Housing (Within 15 Km) | Number of apartments and housing facilities are available in Gandhidam |
| International Hospital/Clinic (Within 20km) | Ram Krishna super specialty hospital is available within close proximity of the economic zone |
| International Schools (Within 20 kms) | Quality schools like Alaina International school, Amarchand Singhvi International school etc. are available within close proximity of the zone |

The Kandla has well developed infrastructure facilities and also in close proximity to Kandla port for the export and import of goods from the SEZ reducing the logistics cost. Further advantage Kandla SEZ is that there is assured supply of water and power which are very essential for the industries that are set up in the SEZ. The strategic location combined with well-developed industrial infrastructure of Kandla SEZ has attracted companies to set up their industrial units in the SEZ.

## 4.3.3. Ghana

Ghana is located along the Gulf of Guinea and Atlantic Ocean and in the region of West Africa. It is one of the emerging economies of Africa striding on manufacturing and export of digital technology goods in addition to assembling and exporting of automobiles and ships. The country is also rich in industrial minerals, agricultural products such as cocoa, petroleum and natural gas. Ghana adopted the concept of Special Economic Zones (SEZs) in order to stimulate the economic growth by increasing its exports and improve its competitiveness in the world. The economy registered a decent growth regime. The same has been depicted in the chart below:

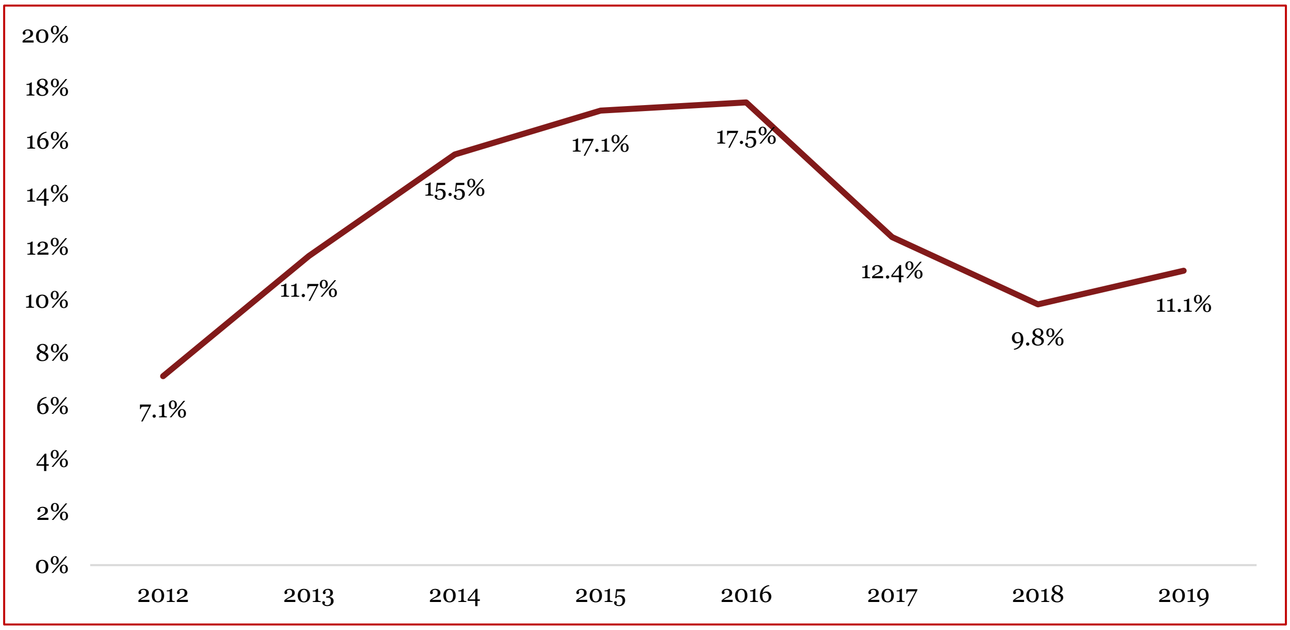
Figure 14: GDP Trend of Ghana




*Source: World Bank*

Inflation rates in Ghana have eased owing to the continued monetary restrictions by the Bank of Ghana, fiscal consolidation and the sharp reductions in non-food inflation and the same is depicted below. **Data used for the analysis is the latest data point available in the respective database.**

Figure 15: Inflation Trend of Ghana




*Source: World Bank*

The other macroeconomic indicators for the country have been summarized below:

Table 12: Macro-economic Parameter of Ghana

| Macroeconomic Indicator | Description | Data Source |
|---|---|---|
| Unemployment | 6.7% | The Heritage Foundation |
| FDI Inflow | USD 3.0 Billion | The World Bank |
| Exports | USD 13.8 Million | ITC Trade Map |
| Imports | USD 15.86 Million | ITC Trade Map |
| Heritage Foundation's Index of Economic Freedom Rankings. | 104 | The Heritage Foundation |
| Cato Institute's Human Freedom ranking | 70 | Human Freedom Index \| Cato Institute |
| World Economic Freedom's Global Competitive Index Rating | 111 | Global Competitiveness Index 2019 rankings |
| WB Doing Business ranking | 118 | Doing Business 2020 |

*Source: PwC Research*

Ghana is an emerging economy and ranks 104th in terms of economic freedom. The country's growth is predominantly led by strong growth in mining, petroleum, agriculture and sustained expansion in forestry and logging. Expanding crude oil production and rising prices have fostered GDP growth. A stable government, initiatives to formalize the economy and introduction of a favorable tax structure are providing an additional impetus to the growth of the economy.

Post identification of the various macro-economic parameters of Ghana, the subsequent section of the report intends to highlight the various attributes of Tema Export Processing Zone in Ghana.

## 4.3.3.1. Tema Export Processing Zone

Tema Export Processing Zone is located in Tema, one of Ghana's major and fastest growing residential and industrial cities. The Ghana Free Zone Authority promotes the development of Export Processing Zones as part of the Ghana Free Zones Programme in order to transform into the gateway to West Africa.

Figure 16: Tema Export Processing Zone

*Source: Ghana Free Zones Board*

The detailed profiling of this Export Processing Zone is provided below.

Table 13: Details of Tema Export Processing Zone

| Factors | Tema Export Processing Zone |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 1995 |
| Land Size (acres) | 1,200 acres |
| Number of Plots/Units/Firms | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br>Currently, 19 tenants are operational in the zone |
| No. of Development Phases | The park has been developed in various phases over a period of time |
| Land Lease (+length) or Sale (Taka/USD) | Industrial land is provided on lease in Africa is USD 30,000 to USD 150,000/acre/year or approx. USD 0.625/m²/month (BDT 53.09/m²/month) |
| Pre-Built Factories (PBF) (Y/N) | No, the zone has not had Pre-Built Factories as part of product offering |
| Lease Rate for PBF (Taka/USD) | There is no lease rate for PBF since PBF are not provided as a part of the product mix |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | At the site, there is no independent power provider. Power for industrial purpose is provided by national electricity grid |
| Cost of Power (Taka/USD) | • 0-300 units=USD 0.00199/KwH[24] (BDT 0.17/KwH)<br>• 301-600 units= USD 0.00212/KwH[25] (BDT 0.18/KwH)<br>• 601+ units= USD 0.00335/KwH[26] (BDT 0.28/KwH) |
| Cost of Water (Taka/USD) | The cost of industrial water is approx. USD 0.02074/m³ (BDT 1.76/ m³) |
| Onsite Wastewater Treatment Plant (Y/N) | There is no onsite water treatment plant since industries within the zone typically have their own treatment plant |
| **Transport costs** | |
| Cost of shipping 20-foot FCL container | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Tema Port → USD 869-961[27]<br>• Rotterdam – Tema Port → USD 861-952<br>• Antwerp – Tema Port → USD 878-970<br>• New York – Tema Port → USD 2,636-2,913[28] |
| **Cost of Labour (Taka/USD)** | |
| Management | The salary of management professional is approximately USD 1,390/month[29] (BDT 118,076/month) |
| Technicians | The salary of a technician is approx. USD 958/month[30] (BDT 81,379/month) |
| Skilled | The salary of a skilled labourer is approximately 2,030 GHS/Month (USD 418.1/Month)[31,32] (BDT 35,516/month) |
| Unskilled | The salary of an unskilled labourer is approx. 870 GHS/Month (USD 179.2/Month)[33,34] (BDT 15,222/month) |
| **Sectors** | |
| Type of Sectors within the Zone | Oil and gas, agro processing, minerals processing, manufacturing, ICT (data processing/ assembling)[35] |
| **Special Regime** | |
| Yes/No | **Yes**, there is a special regime for incentives |

[24] *Note: As of December 31, 2018, exchange rate 0.00002*
[25] *Note: As of December 31, 2018, exchange rate 0.00002*
[26] *Note: As of December 31, 2018, exchange rate 0.00002*
[27] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[28] *Source: https://worldfreightrates.com/freight*
[29] *Source: https://www.averagesalarysurvey.com/ghana*
[30] *Source: https://www.averagesalarysurvey.com/ghana*
[31] *Note: As of December 31, 2018, exchange rate 0.00002*
[32] *Source: https://tradingeconomics.com/ghana/wages-high-skilled*
[33] *Note: As of December 31, 2018, exchange rate 0.00002*
[34] *Source: https://tradingeconomics.com/ghana/wages-low-skilled*
[35] *Source: https://www.jetro.go.jp/ext_images/world/africa/seminar_reports/pdf/20160520/s2.pdf*

| Factors | Tema Export Processing Zone |
|---|---|
| **Fiscal Incentives** | |
| Customs Duties | 100% exemption from payment of direct and indirect duties and levies on all imports for production and exports from free zones |
| Corporate Taxes / Indirect Taxes | 100% exemption from payment of direct and indirect duties & taxes |
| Income Tax on Profits | 100% exemption from payment of income tax on profits for 10 years and shall not exceed 15% thereafter |
| Social Security Tax | For corporates: Compulsory social security contribution of 13% of monthly basic salaries of employees |
| No restrictions on Money Transfers | • Total exemption from payment of withholding taxes from dividends arising out of free zone investments<br>• Free zone investments are guaranteed against nationalization and expropriation<br>• There are no conditions or restrictions on: repatriation of dividends or net profit; payments for foreign loan servicing; payments of fees and charges for technology transfer agreements; and remittance of proceeds from sale of any interest in a free zone investment |
| Others | • 100% exemption from payment of withholding taxes<br>• Relief from double taxation for foreign investors and employees<br>• 100% ownership of shares by any investor – foreign or national in a free zone enterprise is allowed |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | **Yes**, there is a one stop shop within the Zone |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone[36] |
| Onsite convenience retail | There is no onsite convenience retail available within the zone |
| Onsite Housing | There is no onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There are no onsite community facilities available within the zone |
| Onsite Security | There is onsite security available within the zone |
| **Quality of Life** | |
| International Housing (Within 15 km) | There is no international housing facility available within 15 km radius of the EZ |
| International Hospital/Clinic (Within 20 km) | Quality Hospital like American International Hospital and International Maritime Hospital is available in close proximity to the zone<br><br>Healthcare facilities can also be availed at Atlantis Clinic, Tema General Hospital and The Lord's Pentecostal Church International, Ashaiman Central[37] |
| International Schools (Within 20 km) | There are quality schools like Tema International School, Aves International Academy, Jesus Life International School, Witsands International School, SOS-Hermann Gmeiner International College and a few others in close proximity to the zone[38] |

*Source: PwC analysis and data collection*

Tema EPZ provides a favorable and conducive environment for manufacturing, service and commercial activities. The presence of one-stop shops with services such as customs excise and preventive service, police, immigration, environmental protection agency, internal revenue service makes it very favorable for business processing. In addition, the wide range of property options such as factory shells, office space and land parcels serviced with

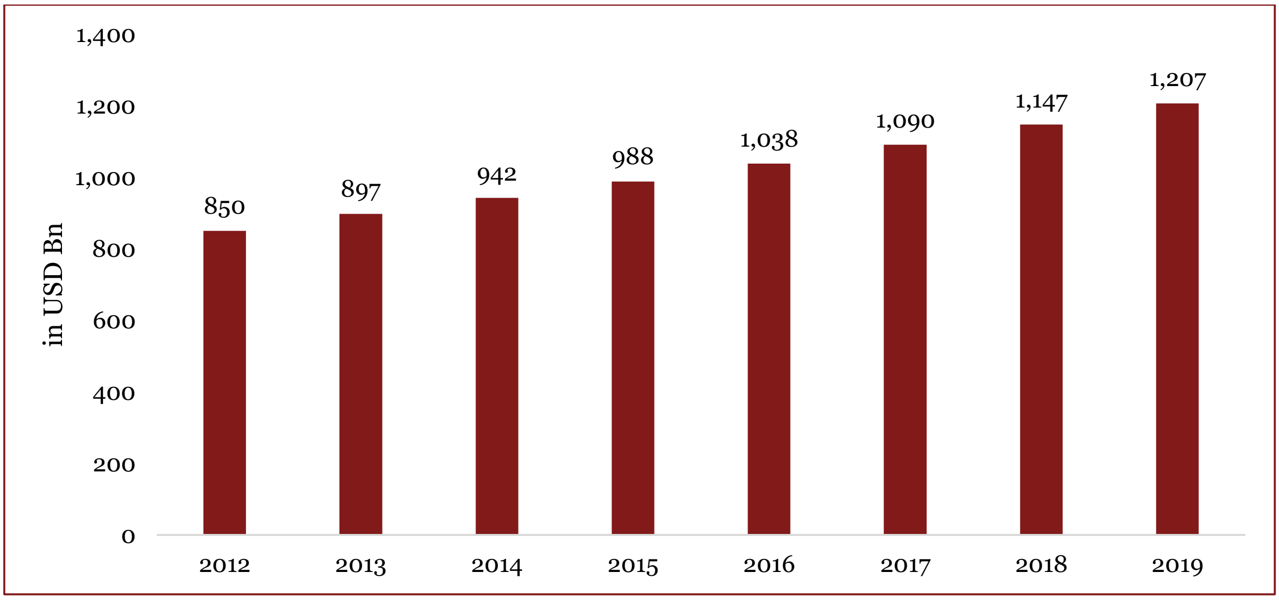
[36] *Source: https://unctad.org/en/Docs/diaepcb20095_en.pdf*
[37] *Source: https://www.google.com/maps/search/international+hospitals+in+Tema+Export+Processing+Zones/@5.6967906,-0.0080828,14z/data=!3m1!4b1*
[38] *Source: https://www.google.com/maps/search/international+schools+in+Tema+Export+Processing+Zones/@5.694637,-0.0446726,13z/data=!3m1!4b1*

good quality roads, drains, water and electricity connections and dependable sewerage system, makes it attractive prospective investors who are willing to establish their industrial units within the zone[39].

### *4.3.4. Indonesia*

Indonesia, the world's largest island country is located Southeast Asia between Indian and Pacific oceans. The largest economy in Southeast Asia is classified as a newly industrialized country and has mixed economy, where state-owned enterprises (SOEs) and large private business groups (conglomerates) play a significant role. The Indonesian economy is traditionally a commodity export-oriented economy with palm oil and coal briquettes being the main exports followed by petroleum gas, crude petroleum, rubber and cars. Lately the central government has been providing strong support to increase the role of manufacturing industry in the country, thus reducing the dependence on exports. Resilient economic growth, low government debt and prudent fiscal management play a key role in attracting financial inflows into Indonesia. Over the last decade, economic clusters in Indonesia have increased manifold given the country's locational advantage, rich natural resources and climate conducive to agriculture. The GDP growth of Indonesia has been depicted below. **Data used for the analysis is the latest data point available in the respective database.**

Figure 17: GDP of Indonesia

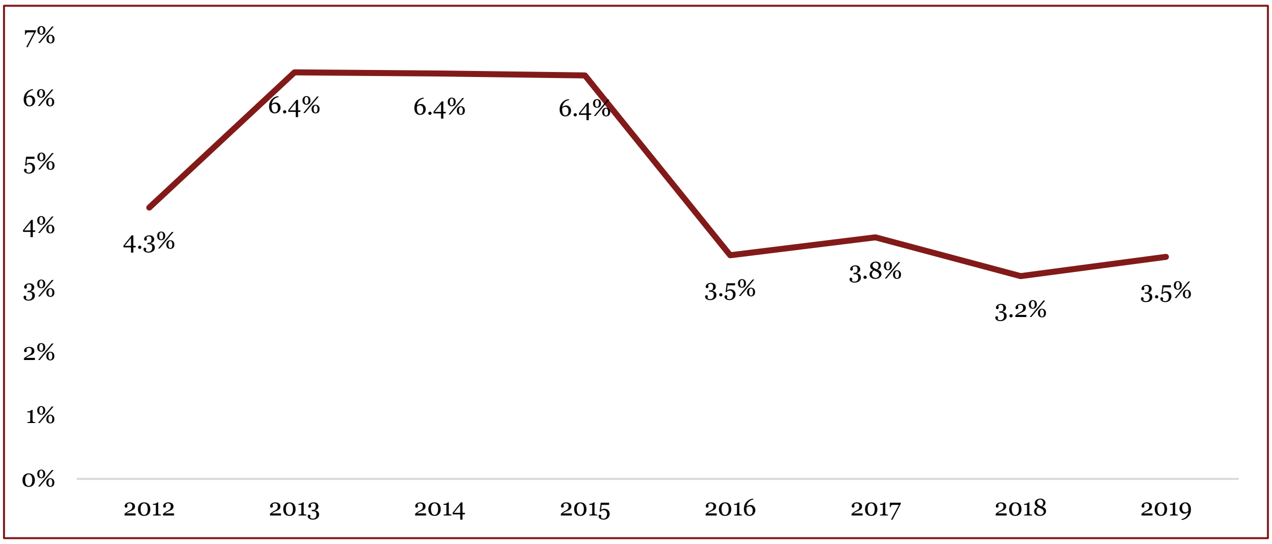



*Source: The World Bank*

The inflation rate in Indonesia has been higher than its peer nations. During the period 2005-2014, average annual inflation in Indonesia has been 8.5%. The high volatility in inflation has been mainly due to significant energy subsidies. However, the current government has diverted such funds subsidies to infrastructure development, getting inflation under control. The same is depicted below. **Data used for the analysis is the latest data point available in the respective database.**

[39] *Source: https://gfzb.gov.gh/index.php/tema-export-processing-zones/*

Figure 18: Inflation Trend of Indonesia




*Source: World Bank*

The other broad level economic parameters of the country have been depicted below –

Table 14: Macro-economic Parameter of Indonesia

| Macroeconomic Indicator | Description | Data Source |
|---|---|---|
| Unemployment | 4.3% | The Heritage Foundation |
| FDI Inflow | USD 19.7 Billion | The World Bank |
| Exports | USD 183.5 Million | ITC Trade Map |
| Imports | USD 156.3 Million | ITC Trade Map |
| Heritage Foundation's Index of Economic Freedom Rankings | 54 | The Heritage Foundation |
| Cato Institute's Human Freedom ranking | 81 | Human Freedom Index \| Cato Institute |
| World Economic Freedom's Global Competitive Index Rating | 50 | Global Competitiveness Index 2019 rankings |
| WB Doing Business ranking | 73 | Doing Business 2020 |

*Source: PwC Research*

Indonesia, the 16th largest economy in the world and one of the emerging economies, has been recently termed as a newly industrialized economy. The country predominantly depends on domestic market and state-owned enterprises. The country faced a financial crisis until 2012, post which, the government took strict measures as regulations to promote FDI. This in turn improved the economy. However, the country is still facing problems such as weakening currency, declining exports and stagnating consumer spending.

Post analysis of the broad macro-economy of Indonesia, an analysis of the Bitung Industrial Special Economic Zone has been provided below.

### *4.3.4.1. Bitung Industrial Special Economic Zone*

The Bitung Industrial Special Economic Zone (SEZ) is located in Bitung, North Sulawesi and intends to serve as an industrial, export and logistics development zone. The zone harbors industries from varied sectors like fish processing, coconut processing and pharmacy industries, etc. Infrastructural facilities such as internal roads, toll roads, seaports, airports, access to uninterrupted electricity, etc. play a crucial role in improving the investment opportunities in this zone.

Figure 19: Bitung Industrial Special Economic Zone


*Source: Google Images*

A detailed profiling of the park is provided below –

Table 15: Bitung Industrial Special Economic Zone

| Factors | Bitung Industrial Special Economic Zone |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 2014 |
| Land Size (acres) | 1,319 acres[40] |
| Number of Plots/Units/Firms | There are approx. 133 plots in Bitung Industrial SEZ[41] |
| No. of Development Phases | The development has been carried out over a period of time in 5 phases[42] |
| Land Lease (+length) or Sale (Taka/USD) | Varies between USD 22 – 74/m$^2$,[43] (BDT 1868 – 6286/m$^2$) |
| Pre-Built Factories (PBF) (Y/N) | No, pre-built factories are provided as a part of the product offering |
| Lease Rate for PBF (Taka/USD) | Lease rate for PBF is not applicable since PBFs are not a part of the product offering |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | Yes, Onsite independent power capacity available and excess power supply is sourced from a 30 MW Tanjung Merah substation inside the Bitung SEZ location[44] |
| Cost of Power (Taka/USD) | Base industrial power tariff in Indonesia: USD 0.075/KwH[45] (BDT 6.37/KwH) |
| Cost of Water (Taka/USD) | The cost of industrial water is approx. USD 0.0021/m$^3$ [46] (BDT 0.18/KwH) |
| Onsite Wastewater Treatment Plant (Y/N) | Yes, onsite wastewater treatment plant is present within the zone |

[40] *Source: https://apecenergy.tier.org.tw/database/db/ewg51/file4/bitung_case.pptx.pdf*
[41] *https://kek.go.id/kawasan/Bitung*
[42] *Source: http://digilib.mercubuana.ac.id/manager/t!@file_artikel_abstrak/Isi_Artikel_191432575710.pdf*
[43] *Source: http://iiif2019.com/wp-content/uploads/2019/03/SEZ_Land_Price.pdf*
[44] *Source: http://kek.go.id/kawasan/Bitung*
[45] *Source: https://www.pwc.com/id/en/publications/assets/eumpublications/utilities/Private%20Power%20Utilities%20-%20Economic%20Benefit s%20of%20Captive%20Power%20in%20Industrial%20Estates%20in%20Indonesia.pdf*
[46] *Source: https://core.ac.uk/download/pdf/6288966.pdf*

| Factors | Bitung Industrial Special Economic Zone |
|---|---|
| **Transport costs** | |
| Cost of shipping 20-foot FCL container | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Jakarta → USD 653-722[47]<br>• Rotterdam – Jakarta → USD 647-715[48]<br>• Antwerp – Jakarta → USD 659-729[49]<br>• New York – Jakarta → USD 2,039-2,254[50] |
| **Cost of Labour (Taka/USD)** | **Cost of Labor (Taka/USD)** |
| Management | The salary of management professional is approximately USD 2,787/month[51] (BDT 236,746/ month) |
| Technicians | The salary of a technician is approx. USD 2,117/month[52] (BDT 179,831 / month) |
| Skilled | The salary of a skilled labourer is approximately USD 356/month[53] (BDT 30241/ month) |
| Unskilled | The salary of an unskilled labourer is approx. USD 188/month[54] (BDT 15970/ month) |
| **Sectors** | |
| Type of Sectors within the Zone | Fish processing, coconut processing, pharmacy industries, logistics, agricultural industries, food processing, shipyard & metal industry and tourism[55] |
| **Special Regime** | |
| Yes/No | **Yes**, there's a special regime for incentives |
| **Fiscal Incentives** | |
| Customs Duties | • The facility of postponement of import duties is provided[56]<br>• Excise duty: Exempted for raw direct materials and supporting materials for production purposes<br>• Import income tax: Not levied |
| Corporate Taxes / Indirect Taxes | Corporate income tax:<br>• Tax holiday for primary industries<br>• Tax allowance for other industries<br>Property tax:<br>• Reduction in compliance to the provision of law and regulation |
| Income Tax on Profits | Income tax allowance is given for the business entity and individual who run business in SEZ Bitung<br>For main industries (Coconut processing and fishery):<br>• Reduction of income tax by 20-100% for 10-25 years for investment value more than IDR 1 trillion<br>• Tax deductions of 20-100% for 5-15 years for investment value of more than IDR 500 billion<br>For other industries:<br>• Net income deduction of 30% for 6 years<br>• Accelerated depreciation<br>• Income tax on dividend of 10%<br>• Compensation loss of 5-10 years |
| Social Security Tax | In Indonesia, social security tax was charged at the rate of 9.74% in 2018[57] |

[47] *Source: https://worldfreightrates.com/freight*
[48] *Source: https://worldfreightrates.com/freight*
[49] *Source: https://worldfreightrates.com/freight*
[50] *Source: https://worldfreightrates.com/freight*
[51] *Source: https://www.averagesalarysurvey.com/indonesia*
[52] *Source: https://www.averagesalarysurvey.com/indonesia*
[53] *Source: https://tradingeconomics.com/indonesia/wages-in-manufacturing*
[54] *Source: https://tradingeconomics.com/indonesia/wages-in-manufacturing*
[55] *Source: http://digilib.mercubuana.ac.id/manager/t!@file_artikel_abstrak/Isi_Artikel_191432575710.pdf*
[56] *Source: http://www.pma-japan.or.id/bundles/bsibkpm/download/Bitung_44.pdf*
[57] *Source: https://tradingeconomics.com/indonesia/social-security-rate*

| Factors | Bitung Industrial Special Economic Zone |
|---|---|
| No restrictions on Money Transfers | No such incentives are prevailing in EZ |
| Others | Value-Added Tax (VAT) (VAT and PPnBM) & Luxury Sales Tax: Exemption for taxable goods |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | **No**, there is no one stop shop within the zone |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone |
| onsite convenience retail | There is no onsite convenience retail available within the zone |
| Onsite Housing | There is onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There are no onsite community facilities available within the zone |
| Onsite Security | There is onsite security available within the zone |
| **Quality of Life** | |
| International Housing (Within 15 Km) | There is no international housing facility available within 15 km radius of the EZ |
| International Hospital/Clinic (Within 20km) | Quality healthcare facilities like RS Budi Mulia Bitung is available in proximity to the economic zone |
| International Schools (Within 20 kms) | There are quality schools like Manado International School and Polaris school in close proximity to the zone |

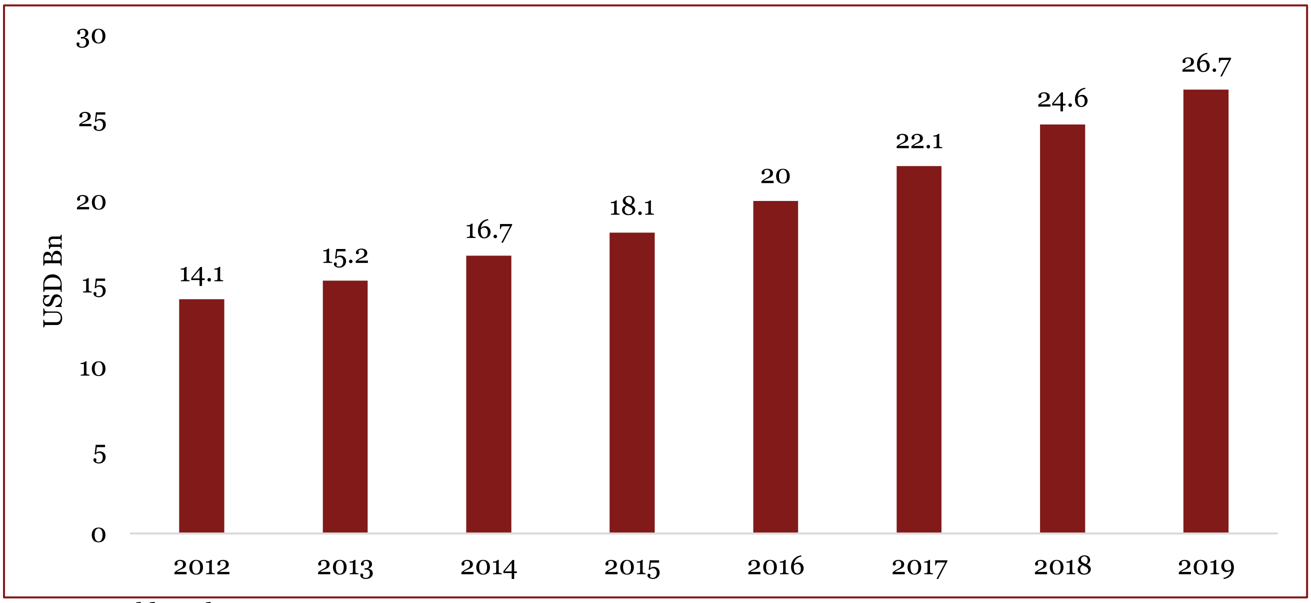
*Source: PwC Research*

The Bitung Industrial SEZ has attracted an investment of approximately IDR 35,190 trillion till date. With the zone having geo-economic and geo-strategic potencies and advantages, the SEZ is expected to help in the development of the eastern Indonesia as a logistics center. The government has also committed to develop the regions investment climate through forming one-spot integrated service.

## 4.3.5. Cambodia

Over the past two decades, Cambodia has undergone a significant transition, reaching lower middle-income status in 2015 and aspiring to attain upper middle-income status by 2030. Driven by garment exports and tourism, Cambodia's economy has sustained an average growth rate of 8% between 1998 and 2018, making it one of the fastest-growing economies in the world. But the country similar to Bangladesh is disproportionately dependent on the Textiles & RMG sector. Around 80% of the country's exports are apparel. The GDP growth trend in Cambodia is depicted below. **Data used for the analysis is the latest data point available in the respective database.**

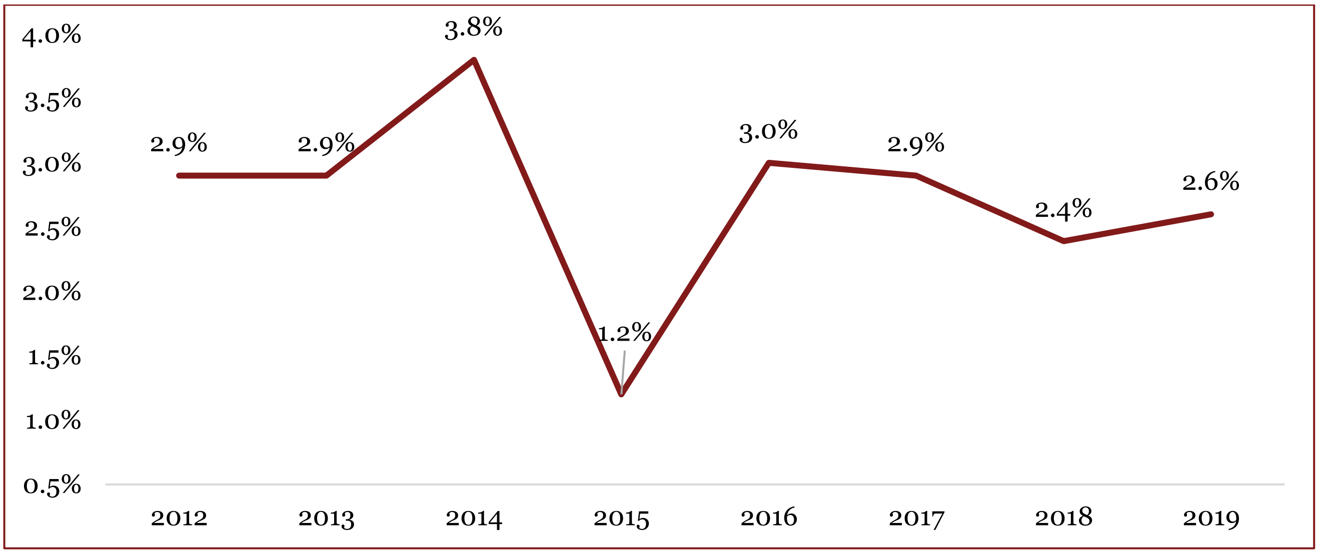
Figure 20: GDP Trend of Cambodia




*Source: World Bank*

The inflation rate has seen a substantial decrease after its peak of 3.8% in 2014. One of the reasons for the dipping inflation rate has been the fall in oil prices. The inflation trend of Cambodia is depicted below. **Data used for the analysis is the latest data point available in the respective database.**

Figure 21: Inflation Trend of Cambodia




*Source: World Bank*

Other macro-economic parameters of Cambodia are presented below –

Table 16: Macro-economic Parameter of Cambodia

| Macroeconomic Indicator | Description | Data Source |
|---|---|---|
| Unemployment | 1.0%[58] | The Heritage Foundation |
| FDI Inflow | USD 3.10 billion | The World Bank |
| Exports | USD 25.10 billion[59] in 2019 | ITC Trade Map |
| Imports | USD 23.13 billion[60] in 2019 | ITC Trade Map |
| Heritage Foundation's Index of Economic Freedom Rankings. | 113 | The Heritage Foundation 2019 |
| Cato Institute's Human Freedom ranking | 63 | Human Freedom Index \| Cato Institute |
| World Economic Freedom's Global Competitive Index Rating | 106 | Global Competitiveness Index 2019 rankings |
| WB Doing Business ranking | 144 | Doing Business 2020 |

*Source: PwC Research*

According to the World Bank, the Cambodian economy grew by 7 % in 2019 with the export of garments, footwear and travel goods recording a five-year high rising by 17.6% in 2018, up from 8.3% in 2017. More than half of Cambodian labor force is engaged in subsistence farming.

Despite the rapid growth the country remains largely a poverty stricken one. However, the situation has started to change as poverty continues to fall in Cambodia. According to official estimates, the poverty rate in 2014 was 13.5% compared to 47.8% in 2007. But the global shock triggered by the COVID-19 pandemic has significantly impacted Cambodia's economy in 2020 at a time when Cambodia also faces the partial suspension of preferential access to the EU market under the "Everything but Arms" initiative. The outbreak caused sharp deceleration in most of Cambodia's main engines of growth in the first quarter of 2020, including weakened tourism and construction activity. Growth is projected to slow sharply to 2.5% in 2020 under the baseline scenario.[61]

Post analysis of the broad macro-economy of Cambodia, an analysis of the shortlisted EZs is provided below –

### *4.3.5.1. Neang Kok Koh Kong SEZ*

The Neang Kok Koh Kong SEZ is located in Mundul Seyma District, Koh Kong Province of Cambodia. The zone harbors industries from vehicle assembly and spare parts. The zone is developed by developer Okhna Ly Yong Phat and Camko Motor Company Ltd. has an operational manufacturing facility within the zone.

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[58] *Source: https://www.heritage.org/index/country/cambodia*
[59] *Source: https://www.trademap.org/Product_SelCountry_TS.aspx?nvpm=1%7c116%7c%7c%7c%7cTOTAL%7c%7c%7c2%7c1%7c1%7c2%7c2%7c1%7c1%7c1%7c1*
[60] *Source: https://www.trademap.org/Product_SelCountry_TS.aspx?nvpm=1%7c116%7c%7c%7c%7cTOTAL%7c%7c%7c2%7c1%7c1%7c1%7c2%7c1%7c1%7c1%7c1*
[61] *World Bank*

*Figure 22: Neang Kok Koh Kong SEZ*

*Source: Google Images*

A detailed profiling of the park is provided below –

*Table 17: Neang Kok Koh Kong SEZ*

| Factors | Neang Kok Koh Kong SEZ |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 2007 |
| Land Size (acres) | 828 acres |
| Number of Plots/Units/Firms | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br><br>Currently 5 firms are operational within the park.[62] |
| No. of Development Phases | The development has been carried out over a period of time but in a single phase |
| Land Lease (+length) or Sale (Taka/USD) | Industrial land lease rent is:<br><br>• Lease contract for 99 years: USD 40/$m^2$ (BDT 3398/$m^2$) (excluding tax)<br>• Lease contract for 70 years: USD 30/$m^2$ (BDT 2548/$m^2$) (excluding tax)<br>• Lease contract for 20 years: USD 20/$m^2$ (BDT 1698/$m^2$) (excluding tax)[63] |
| Pre-Built Factories (PBF) (Y/N) | Yes, pre-built factories are available as a part of the product offering |
| Lease Rate for PBF (Taka/USD) | Rental Charges for PBF:<br><br>• USD 1.58/$m^3$/month (BDT 134.22/$m^3$/month) (for 30 years)<br>• USD 1.75/$m^3$/month (BDT 148.66/$m^3$/month) ((for 20 years)<br>• USD 2.00/$m^3$/month (BDT 170/$m^3$/month) ((excluding tax): (for 10 years)[64] |
| **Infrastructure/Utilities** | |

[62] *https://www.worldfzo.org/Portals/0/OpenContent/Files/487/Cambodia_FreeZones.pdf*
[63] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[64] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*

| Factors | Neang Kok Koh Kong SEZ |
|---|---|
| Onsite Independent Power (Y/N and Type) | No onsite captive power plant available for the special economic zone.<br>• Power is sourced from Thailand with the help of L.Y.P Group (12MW) owing to Cambodia's high cost of electricity[65] |
| Cost of Power (Taka/USD) | • In this EZ, power is sourced from Thailand. Cost of power is approximately USD 0.07 in Thailand[66] (BDT 5.95/ KwH) |
| Cost of Water (Taka/USD) | The cost of industrial water is 18 Baht/$m^3$ (+10%VAT) (USD 0.55/$m^3$)[67,68] (BDT 46.72/ $m^3$) |
| Onsite Wastewater Treatment Plant (Y/N) | Yes, the SEZ has an onsite wastewater treatment plant |
| **Transport costs** | |
| Cost of shipping 20-foot FCL container shipping to Colombo | The approximate shipping charges of a 20-foot FCL Container from Sihanoukville port are as follows:<br>• Hamburg – Sihanoukville Port → USD 739-817<br>• Rotterdam – Sihanoukville Port → USD 732-809<br>• Antwerp – Sihanoukville Port → USD 746-825<br>• New York – Sihanoukville Port → USD 2,308-2,55[69] |
| **Cost of Labour (Taka/USD)** | **Cost of Labor (Taka/USD)** |
| Management | The average salary of management professional in Cambodia is approximately USD 2770/month[70] (BDT 235,302/month) |
| Technicians | The average salary of a technician is approx. USD 861/month (BDT 73,139/ month) |
| Skilled | The average salary of a skilled labourer in Cambodia is USD 498/month (BDT 42,304/ month) |
| Unskilled | The average salary of an unskilled labourer in Cambodia is USD 128.3/month (BDT 10,899/month) |
| **Sectors** | |
| Type of Sectors within the Zone | Light engineering and equipment such as vehicle assembly and spare part[71] |
| **Special Regime** | |
| Yes/No | Yes, there's a special regime for incentives |
| **Fiscal Incentives** | |
| Customs Duties | Cambodian SEZs offer exemption from import duty on materials equipment used in production[72]<br><br>Import duty exemptions for machinery, equipment, production inputs and raw materials[73] |
| Corporate Taxes / Indirect Taxes | Corporate income tax exemption of up to nine years |
| Income Tax on Profits | Exemption of the tax on profits shall be provided for a maximum period of 9 years in compliance with Article 14.1 of the law on the amendment to the law on investment of the Kingdom of Cambodia[74] |
| Social Security Tax | Employers are required to contribute 3.4% of the average monthly wage of workers to the National Social Security Fund (NSSF)[75] |
| No restrictions on Money Transfers | No restriction on foreign currencies convertibility[76] |

[65] *https://data.opendevelopmentmekong.net/dataset/4174893a-d18a-49ce-b3e6-85a87d8f68ac/resource/0d93a3b3-bb1a-4bb7-bbf4-616a06976590/download/cambodiansezboard01.07.2009.pdf*
[66] *Source: https://www.adb.org/sites/default/files/publication/175236/ewp-459.pdf*
[67] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[68] *Note: As of December 31, 2018; exchange rate: 0.031*
[69] *Source: https://worldfreightrates.com/freight*
[70] *Source: https://www.averagesalarysurvey.com/cambodia*
[71] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[72] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*
[73] *Source: https://www.jcci.or.jp/161104%20Cambodia,%20Tokyo%20Presentation%204%20Nov%202016.pdf*
[74] *Source: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf*
[75] *Source: https://shieldgeo.com/payroll-and-tax-in-cambodia/*
[76] *Source: https://www.boi.go.th/upload/Cambodia_Presentation_78898.pdf*

| Factors | Neang Kok Koh Kong SEZ |
|---|---|
| | Free remittance of foreign currency<br>• Unrestricted repatriation of profit |
| Others | • VAT suspension for all exported oriented activities[77] |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | No, there is no one stop shop within the zone |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone[78] |
| Onsite Convenience Retail | There is no onsite convenience retail available within the zone |
| Onsite Housing | There is no onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There are no onsite community facilities available within the zone |
| Onsite Security | There is onsite security available within the zone |
| **Quality of Life** | |
| International Housing (Within 15 Km) | There is no international housing facility available within 15 km radius of the EZ |
| International Hospital/Clinic (Within 20km) | There are no superior quality hospitals available in close proximity to the zone |
| International Schools (Within 20 kms) | There are no superior quality schools available in close proximity to the zone |

*Source: PwC Analysis*

The SEZ is 330 km from Leam Chabang port of Thailand and 233 km from Sihanoukville port. The SEZ provides ease-of-access to seaside trading to Thailand and Vietnam. Furthermore, the National highway NR 48 to Thailand provides the SEZ with convenient transportation of goods by providing cost-effective logistics for exports and imports through Laem Chabang port, Thailand.

### *4.3.5.2. Phnom Penh SEZ*

Phnom Penh SEZ located 18 kms from the city center of Phnom Penh has been established in 2006. Since its inception it has been a driving factor for growth and investments. Located in the capital city of Cambodia, the SEZ received special attention of foreign companies and investors. Currently over 83 International companies from 15 different nations have invested in the SEZ. The SEZ has a leading number of investors and investments from Japan. The SEZ along with its tenants has signed an MOU with anti-corruption unit of Cambodia to increase transparency. A disaster prevention support system has been set up too. All these facilities combined with initiatives and strategic location made Phnom Penh SEZ an ideal location for investors in Cambodia.

[77] *Source: http://www.bigconnectivity.org/beta/sites/default/files/2017-03/Cambodia%27s%20SEZ%20Policy%20in%20Shanghai%2017-22%20Oct%2016.pdf*
[78] *Source: https://www.worldfzo.org/Portals/0/OpenContent/Files/487/Cambodia_FreeZones.pdf*

*Figure 23: Phnom Penh SEZ*


*Source: Google Images*

A detailed profiling of the zone is provided below –

*Table 18: Phnom Penh SEZ*

| Factors | Phnom Penh SEZ |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 2006 |
| Land Size (acres) | 882 acres |
| Number of Plots/Units/Firms | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br><br>Over 83 companies are operational within the park till date |
| No. of Development Phases | The project is to be completed in 3 phases |
| Land Lease (+length) or Sale (Taka/USD) | Industrial land lease rent is USD 50/m²/year (BDT 4247.33/m²/year) and can be leased with 50-year renewable contract[79] |
| Pre-Built Factories (PBF) (Y/N) | Yes, pre-built factories are available |
| Lease Rate for PBF (Taka/USD) | The Lease rent for PBF is USD 36/m²/annum[80] (BDT 3058.08/m²/annum) |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | Yes, Onsite independent power capacity available[81] and excess power supply is taken from independent substation inside the EZ |
| Cost of Power (Taka/USD) | The cost of power within the economic zone is USD 0.19/KwH[82] (BDT 16.14 /KwH) |
| Cost of Water (Taka/USD) | The cost of industrial water supply is 0.3 USD/m³ (BDT 25.48 /m³) |
| Onsite Wastewater Treatment Plant (Y/N) | Yes, an onsite lagoon system wastewater treatment plant is available |
| **Transport costs** | |

[79] *Source: https://earthrights.org/wp-content/uploads/sezs_and_value_extraction_in_the_mekong_english.pdf*
[80] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*
[81] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*
[82] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*

| Factors | Phnom Penh SEZ |
|---|---|
| Cost of shipping 20-foot FCL container shipping to Colombo | • Hamburg – Sihanoukville Port → USD 739-817<br>• Rotterdam – Sihanoukville Port → USD 732-809<br>• Antwerp – Sihanoukville Port → USD 746-825<br>• New York – Sihanoukville Port → USD 2,308-2,551[83] |
| **Cost of Labour (Taka/USD)** | |
| Management | The salary of management professional in Phnom Penh is approximately USD 3089/ month[84] (BDT 262400/month) |
| Technicians | The average salary of a technician is approx. USD 861/month (BDT 73,139/ month) |
| Skilled | The average salary of a skilled labourer in Cambodia is USD 498/month (BDT 42,304/ month) |
| Unskilled | The average salary of an unskilled labourer in Cambodia is USD 128.3/month (BDT 10,899/month) |
| **Sectors** | |
| Type of Sectors within the Zone | The major sectors include textiles and printing, garments and footwear, food processing and agricultural products, mechanical and electrical products and other consumer products (e.g., pharmaceutical, and packaging.[85] |
| **Special Regime** | |
| Yes/No | Yes, there's a special regime for incentives |
| **Fiscal Incentives** | |
| Customs Duties | Cambodian SEZs offer exemption from import duty on materials equipment used in production[86]<br>• Import duty exemptions for machinery, equipment, production inputs and raw materials[87] |
| Corporate Taxes / Indirect Taxes | Corporate income tax exemption of up to nine years |
| Income Tax on Profits | Exemption of the tax on profits shall be provided for a maximum period of 9 years in compliance with Article 14.1 of the law on the amendment to the law on investment of the Kingdom of Cambodia[88] |
| Social Security Tax | Employers are required to contribute 3.4% of the average monthly wage of workers to the National Social Security Fund (NSSF)[89] |
| No restrictions on Money Transfers | No restriction on foreign currencies convertibility[90]<br>Free remittance of foreign currency<br>• Unrestricted repatriation of profit |
| Others | VAT suspension for all exported oriented activities[91] |
| **Non-Fiscal Incentives** | |
| One Stop Shop Within the Zone | Yes, there is one stop shop within the zone |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone |
| Onsite Convenience Retail | There is onsite convenience retail available within the zone |
| Onsite Housing | There is onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available within the zone |
| Onsite Community Facilities | There is no onsite community facility available within the zone |
| Onsite Security | There is onsite security available within the zone[92] |

[83] *Source: https://worldfreightrates.com/freight*
[84] *Source: https://www.averagesalarysurvey.com/phnom-penh-cambodia*
[85] *https://openjicareport.jica.go.jp/pdf/12111787_02.pdf*
[86] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*
[87] *Source: https://www.jcci.or.jp/161104%20Cambodia,%20Tokyo%20Presentation%204%20Nov%202016.pdf*
[88] *Source: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf*
[89] *Source: https://shieldgeo.com/payroll-and-tax-in-cambodia/*
[90] *Source: https://www.boi.go.th/upload/Cambodia_Presentation_78898.pdf*
[91] *Source: http://www.bigconnectivity.org/beta/sites/default/files/2017-03/Cambodia%27s%20SEZ%20Policy%20in%20Shanghai%2017-22%20Oct%2016.pdf*
[92] *Source: https://earthrights.org/wp-content/uploads/sezs_and_value_extraction_in_the_mekong_english.pdf*

| Factors | Phnom Penh SEZ |
| --- | --- |
| **Quality of Life** | |
| International Housing (Within 15 Km) | There are quality residential facilities like Sun Apartments available in proximity to the zone |
| International Hospital/Clinic (Within 20km) | There are quality international hospitals like Sen Sok International Hospital and Royal Phnom Penh Hospital in close proximity to the zone |
| International Schools (Within 20 kms) | There are quality schools like Zion International School of Phnom Penh and Australian International School available within 20 kms from the zone |

*Source: PwC Research*

This SEZ is located in the capital city of Cambodia approved by Royal Government of Cambodia in 2006 and as on date more than 83 companies have invested in the zone employing over 17,000 Cambodian and international workers and management teams. The zone offers ISO certified infrastructure solutions, on-site administrative services, and a central location to support regional logistics for attracting the investments.

## 4.4. Comparative Analysis

This section captures an exhaustive comparative analysis of both broad level geographic indicators and site-specific comparative parameters between the EZ coming up in Nawabganj and its potential competitors in the region. Tables below provide an insight into macro-economic performance indicators of the countries which are home to the industrial parks shortlisted as competitors to EZ in Nawabganj, Bangladesh. A comparison has been made to understand how Bangladesh stands with respect to these countries. This comparison is important as investors often take into consideration the macro-economic performance of countries to shortlist investment destinations in order to minimize risks to their investments and maximize their returns.

*Table 19: Macro-Economic indicators (2019)*

| Country | GDP (USD billion) | GDP annual growth rate (%) | GDP per capita (PPP) (USD) | Inflation Rate (%) | Unemployment Rate (%) | Population (million) |
|---|---|---|---|---|---|---|
| Srilanka | 91.0 | 4.8 | 4,067.9 | 5.4 | 4.4 | 21.7 |
| India | 2,935.6 | 6.1 | 2,036.2 | 3.5 | 2.6 | 1,334.2 |
| Ghana | 66.0 | 6.2 | 2,205.8 | 11.1 | 6.7 | 29.6 |
| Indonesia | 1,206.6 | 4.8 | 3,870.6 | 3.5 | 4.3 | 264.2 |
| **Bangladesh** | **317.5** | **7.8** | **1,744.5** | **5.6** | **4.3** | **164.9** |
| Cambodia | 26.7 | 7.0 | 1,508.8 | 2.6 | 1.0 | 16.3 |

*Source: World Bank and the Heritage Foundation*

*Table 20: FDI indicators, 2018*

| Country | FDI (USD million) |
|---|---|
| Srilanka | 1,610.5 |
| India | 42,117.5 |
| Ghana | 2,989.0 |
| Indonesia | 19,703.3 |
| **Bangladesh** | **2,940.2** |
| Cambodia | 3,102.6 |

*Source: World Bank*

*Table 21: Heritage Foundation Score 2019*

| Country | Heritage Foundation Rating (global) | Individual country score | Score change | Freedom group ranking | Competitor's ranking |
|---|---|---|---|---|---|
| Srilanka | 112 | 57.4 | +1.0 | Mostly unfree | 3 |
| India | 120 | 56.5 | +1.3 | Mostly unfree | 5 |
| Ghana | 104 | 59.4 | +1.9 | Mostly unfree | 2 |
| Indonesia | 54 | 67.2 | +1.4 | Moderately free | 1 |
| **Bangladesh** | **122** | **56.4** | **+0.8** | **Mostly unfree** | **6** |
| Cambodia | 113 | 57.3 | -0.5 | Mostly unfree | 4 |

*Source: The Heritage Foundation*

*Table 22: Global Competitiveness Ranking 2019*

| Country | Global Competitiveness Ranking 2019 | Country Score | Global Competitiveness Ranking 2018 | Rank Change from 2018 to 2019 |
|---|---|---|---|---|
| Srilanka | 84 | 57.1 | 85 | +1 |
| India | 68 | 61.4 | 58 | -10 |
| Ghana | 111 | 51.2 | 106 | -5 |

| Country | Global Competitiveness Ranking 2019 | Country Score | Global Competitiveness Ranking 2018 | Rank Change from 2018 to 2019 |
|---|---|---|---|---|
| Indonesia | 50 | 64.6 | 45 | -5 |
| **Bangladesh** | **105** | **52.1** | **103** | **-2** |
| Cambodia | 106 | 52.1 | 110 | +4 |

*Source: World Economic Forum*

*Table 23: Global Financial Market Development Ranking (World Economic Forum 2019)*

| Country | Financial Market Development Ranking |
|---|---|
| Srilanka | 87 |
| India | 40 |
| Ghana | 49 |
| Indonesia | 58 |
| **Bangladesh** | **106** |
| Cambodia | 88 |

*Source: http://www3.weforum.org/docs/WEF_TheGlobalCompetitivenessReport2019.pdf*

*Table 24: World Bank Doing Business Ranking 2020*

| Country | Ease of Doing Business Ranking 2020 | Ease of Doing Business Ranking 2019 | Rank Change from 2019 to 2020 |
|---|---|---|---|
| Srilanka | 99 | 100 | +1 |
| India | 63 | 77 | +14 |
| Ghana | 118 | 114 | -4 |
| Indonesia | 73 | 73 | - |
| **Bangladesh** | **168** | **176** | **+8** |
| Cambodia | 144 | 138 | -6 |

*Source: World Bank*

*Table 25: World Bank Doing Business Components 2019*

| Parameters | Srilanka | India | Ghana | Indonesia | Bangladesh | Cambodia |
|---|---|---|---|---|---|---|
| Starting Business | 83 | 137 | 108 | 134 | **138** | 185 |
| Dealing with Construction Permits | 65 | 52 | 115 | 112 | **138** | 179 |
| Getting Electricity | 84 | 24 | 86 | 33 | **179** | 141 |
| Registering Property | 140 | 166 | 123 | 100 | **183** | 124 |

| Parameters | Srilanka | India | Ghana | Indonesia | Bangladesh | Cambodia |
|---|---|---|---|---|---|---|
| Getting Credit | 124 | 22 | 73 | 44 | **161** | 22 |
| Protecting Minority Investors | 38 | 7 | 99 | 51 | **89** | 110 |
| Paying Taxes | 141 | 121 | 115 | 112 | **151** | 137 |
| Trading Across Borders | 93 | 80 | 156 | 116 | **176** | 115 |
| Enforcing Contracts | 164 | 163 | 116 | 146 | **189** | 182 |
| Resolving Insolvency | 92 | 108 | 160 | 36 | **153** | 79 |

*Source: World Bank; https://www.doingbusiness.org/en/rankings*

The comparative study done indicates that while Bangladesh is becoming more competitive at the global stage, it still lags behind the Indian and Indonesian economy but fares better than Cambodia, Srilanka and Ghana economy. Also, Bangladesh has recorded best GDP growth when compared to its peers. However, Bangladesh lags behind in terms of all other major macro-economic parameters like providing electricity and easy credit facility, registering of property, protecting minority investors and enforcing contracts.

BIDA has taken cognizant of the need to improve Bangladesh's ease of doing business rankings and has set a target of reaching double digit ranking by 2021 from its current rank of 168. Areas of improvement identified by BIDA are - Streamlining regularity service delivery in National Board of Revenue, Directorate of Environment, RAJUK, Courts, Export Promotion Bureau, Chief Controller of Imports and Exports, and other agencies in 11 thematic areas which are a part of Doing Business Components as listed in Table named "World Bank Doing Business Components 2019".

These initiatives could make Bangladesh a more competitive economy in future. Improvement in macro-economic scenario of Bangladesh would also need to be supported by the facilities and cost advantages being offered by proposed EZ in Nawabganj in order to attract investments. A comparative study of competing economic zones have been done on the next page to understand competitiveness of the proposed EZ in Nawabganj with respect to the benchmarked zones.

*Table 26: Comparative Analysis*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Site** | | | | | | | |
| **Land Size (acres)** | 874 acres | 531 acres | 1000 acres | 1200 acres | 1319 acres | 828 acres | 882 acres |
| **Business Model** | The project is recommended to be developed via the PPP project structuring mechanism | Government | Government | Private | Government | Government | Government (G2G) |
| **Number of Plots/Units/Firms** | There are provisions of 420 plots as per the Master Plan | There are approx. 108 plots in Katunayake EPZ[93] | Over 255 performing units are operational within the special economic zone as on March 31st, 2019.[94] | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br><br>Currently, 19 tenants are operational in the zone | There are approx. 133 plots in Bitung SEZ | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br><br>Currently 5 firms are operational within the park.[95] | Plots of variable sizes are available; however, the exact number of plots have not been demarcated<br><br>Over 83 companies are operational within the park till date |
| **No. of Development Phases** | The project is planned to be developed in three phases | The development has been carried out in 4 phases | The development has been carried out | The park has been developed in various phases over a period of time | The development has been carried out over | The development has been carried out over a period of time but in a single phase | The project is to be completed in 3 phases |

93 *http://investsrilanka.com/location/katunayake-epz/*
94 *http://kasez.gov.in/welcome-to-kasez/*
95 *https://www.worldfzo.org/Portals/0/OpenContent/Files/487/Cambodia_FreeZones.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | over a period of time but in a single phase | | a period of time in 5 phases[96] | | |
| **Land Lease (+length) or Sale (Taka/USD)** | Land lease rental is BDT 11/ sq. ft. per annum (for 50 years) when BEZA develops the project and BDT 25/sq. ft. per annum (for 50 years) when PPP developer develops the project | There is a minimum upfront land premium of USD 60,000/acre (BDT 5,096,793/acre) (for a lease period of 50 years)<br><br>Additionally, there would be a land rental of USD 5,130/acre /annum (BDT 435,776/acre/annum) | The land lease for industrial land is USD 3.25 / sq.m / annum (BDT 276.08 / sq.m / annum) | Industrial land is provided on lease in Africa is USD 30,000 to USD 150,000/acre/year or approx. USD 0.625/m²/month (BDT 53.09/m²/month) | Varies between USD 22 – 74/m²[, 97] (BDT 1868 – 6286/m²) | Industrial land lease rent is:<br><br>• Lease contract for 99 years: USD 40/m² (BDT 3398/m²) (excluding tax)<br>• Lease contract for 70 years: USD 30/m² (BDT 2548/m²) ((excluding tax)<br>• Lease contract for 20 years: USD 20/m² (BDT 1698/m²) ((excluding tax)[98] | Industrial land lease rent is USD 50/m²/year (BDT 4247.33/m²/year) and can be leased with 50-year renewable contract[99] |

[96] *Source: http://digilib.mercubuana.ac.id/manager/t!@file_artikel_abstrak/Isi_Artikel_191432575710.pdf*
[97] *Source: http://iiif2019.com/wp-content/uploads/2019/03/SEZ_Land_Price.pdf*
[98] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[99] *Source: https://earthrights.org/wp-content/uploads/sezs_and_value_extraction_in_the_mekong_english.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Pre-Built Factories (PBF) (Y/N)** | PFB is planned only in case of PPP developer developing the project | There are no PBF available as a part of the product offering | There are Pre-Built Factories provided as a part of the product offering | No, the zone does not have Pre-Built Factories as part of product offering | No, pre-built factories are provided as a part of the product offering | Yes, pre-built factories are available as a part of the product offering | Yes, pre-built factories are available |
| **Lease Rate for PBF (Taka/USD)** | Land lease rental for PFB is BDT 300/ sq. ft. per annum | There is no lease rate for PBF since PBF are not provided as a part of the product mix | • Lease rentals for PBF are USD 23.03 / sq.m / annum (BDT 1956.32/ sq.m / annum) for ground floor built-up area;<br>• Lease rentals for PBF are USD 20.34 / sq.m / annum (BDT 1727.81 / sq.m / annum) for first floor; | There is no lease rate for PBF since PBF are not provided as a part of the product mix | Lease rate for PBF is not applicable since PBFs are not a part of the product offering | Rental Charges for PBF:<br>• USD 1.58/m³/month (BDT 134.22/m³/month) (for 30 years)<br>• USD 1.75/m³/month (BDT 148.66/m³/month) ((for 20 years)<br>• USD 2.00/m³/month (BDT 170/m³/month) ((excluding tax): (for 10 years)[100] | The Lease rent for PBF is USD 36/m²/annum[101] (BDT 3058.08/m²/annum) |

[100] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[101] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | • Lease rentals for PBF are USD 17.65 / sq.m / annum (BDT 1499.31/ sq.m / annum) for second floor; | | | | |
| **Infrastructure/ Utilities** | | | | | | | |
| **Onsite Independent Power (Y/N and Type)** | Yes, there is provision for onsite power distribution through internal sub-stations of 33/11 KV and 132/33 KV | There is a dedicated grid substation of capacity 63 MVA | There is no onsite captive power plant available for the special economic zone | At the site, there is no independent power provider. Power for industrial purpose is provided by national electricity grid | Yes, Onsite independent power capacity available and excess power supply is sourced from a 30 MW Tanjung Merah substation inside the Bitung SEZ location[102] | No onsite captive power plant available for the special economic zone.<br><br>Power is sourced from Thailand with the help of L.Y.P Group (12MW) owing to Cambodia's high cost of electricity[103] | Yes, Onsite independent power capacity available[104] and excess power supply is taken from independent substation inside the EZ |

[102] *Source: http://kek.go.id/kawasan/Bitung*
[103] *https://data.opendevelopmentmekong.net/dataset/4174893a-d18a-49ce-b3e6-85a87d8f68ac/resource/0d93a3b3-bb1a-4bb7-bbf4-616a06976590/download/cambodiansezboard01.07.2009.pdf*
[104] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Cost of Power (Taka/USD)** | Cost of power is BDT 9.42/ KwH | For Industries with demand less than or equal to 42 KVA the cost of power is as follows:[105]<br><br>• For consumption <301 KwH, the tariff is USD 0.069/KwH (BDT 5.86/KwH)<br>• For consumption >300 KwH, the tariff is USD 0.078/KwH (BDT 6.63/KwH)<br><br>For Industries with demand more than 42 KVA the | Fixed charges of USD 0.08 / KwH (BDT 6.80/ KwH) | • 0-300 units=USD 0.00199/KwH[106] (BDT 0.17/KwH)<br>• 301-600 units= USD 0.00212/KwH[107] (BDT 0.18/KwH)<br>• 601+ units= USD 0.00335/KwH[108] (BDT 0.28/KwH) | Base industrial power tariff in Indonesia: USD 0.075/KwH[109] (BDT 6.37/KwH) | In this EZ, power is sourced from Thailand. Cost of power is approximately USD 0.07 in Thailand[110] (BDT 5.95/ KwH) | The cost of power within the economic zone is USD 0.19/KwH[111] (BDT 16.14 /KwH) |

[105] *https://www.ceb.lk/commercial-tariff/en*
[106] *Note: As of December 31, 2018, exchange rate 0.00002*
[107] *Note: As of December 31, 2018, exchange rate 0.00002*
[108] *Note: As of December 31, 2018, exchange rate 0.00002*
[109] *Source: https://www.pwc.com/id/en/publications/assets/eumpublications/utilities/Private%20Power%20Utilities%20-%20Economic%20Benefits%20of%20Captive%20Power%20in%20Industrial%20Estates%20in%20Indonesia.pdf*
[110] *Source: https://www.adb.org/sites/default/files/publication/175236/ewp-459.pdf*
[111] *Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | cost of power is as follows:<br>• During peak hours, the tariff is USD 0.13/KwH (BDT 11.04/KwH)<br>• During daytime, the tariff is USD 0.071/KwH (BDT 6.03/KwH)<br>• During Off-peak, the tariff is USD 0.044/KwH (BDT 3.74/KwH) | | | | | |
| **Cost of Water (Taka/USD)** | Cost of power is BDT 34.87/ $m^3$ | The charge of industrial water is USD 0.47 / cu. M (BDT 39.92 / cu. M) | The charge of industrial water is USD 0.76 / KL (BDT 64.56/KL) | The cost of industrial water is approx. USD 0.02074/$m^3$ (BDT 1.76/ $m^3$) | The cost of industrial water is approx. USD 0.0021/$m^3$ [112] (BDT 0.18/KwH) | The cost of industrial water is 18 Baht/$m^3$ (+10%VAT) (USD 0.55/$m^3$)[113,114] (BDT 46.72/ $m^3$) | The cost of industrial water supply is 0.3 USD/$m^3$ (BDT 25.48 /$m^3$) |
| **Onsite Wastewater** | Yes, there is provision for wastewater | There is a centralized Effluent Treatment | There is onsite wastewater treatment | There is no onsite water treatment plant since industries | Yes, onsite wastewater treatment plant | Yes, the SEZ has an onsite wastewater treatment plant | Yes, an onsite lagoon system wastewater |

[112] *Source: https://core.ac.uk/download/pdf/6288966.pdf*
[113] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*
[114] *Note: As of December 31, 2018; exchange rate: 0.031*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Treatment Plant (Y/N)** | treatment plan in the Master Plan of the proposed EZ | Plant facility available, charging USD 0.09/ cu. M (BDT 7.65/ cu. M) of wastewater treated. | plant available within the special economic zone | within the zone typically have their own treatment plant | is present within the zone | | treatment plant is available |
| **Transport Costs** | | | | | | | |
| **Cost of shipping 20-foot FCL container** | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Rotterdam – Chittagong → USD 1,317[115]<br>• Hamburg – Chittagong → USD 1,317[116] | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Colombo port → USD 1,000<br>• Rotterdam – Colombo port → USD 1,012<br>• Antwerp – Colombo port → USD 1,083 | The approximate shipping charges of a 20-foot FCL Container from Kandla port are as follows:<br>• Hamburg – Kandla → USD 1,415[119]<br>• Rotterdam – Kandla → USD 1,415[120] | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Tema Port → USD 869-961[123]<br>• Rotterdam – Tema Port → USD 861-952<br>• Antwerp – Tema Port → USD 878-970 | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Jakarta → USD 653-722[125]<br>• Rotterdam – Jakarta → USD 647-715[126]<br>• Antwerp – Jakarta → | The approximate shipping charges of a 20-foot FCL Container from Sihanoukville port are as follows:<br>• Hamburg – Sihanoukville Port → USD 739-817<br>• Rotterdam – Sihanoukville Port → USD 732-809<br>• Antwerp – Sihanoukville Port → USD 746-825 | The approximate shipping charges of a 20-foot FCL Container from the nearest port are as follows:<br>• Hamburg – Sihanoukville Port → USD 739-817<br>• Rotterdam – Sihanoukville Port → USD 732-809<br>• Antwerp – Sihanoukville Port → USD 746-825 |

[115] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[116] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[119] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[120] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[123] *Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/*
[125] *Source: https://worldfreightrates.com/freight*
[126] *Source: https://worldfreightrates.com/freight*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | • Antwerp – Chittagong → USD 1,317[117] • New York – Chittagong → USD 1,390[118] | • New York – Colombo port → USD 1,080 | • Antwerp – Kandla → USD 1,303[121] • New York – Kandla → USD 1,888[122] | • New York – Tema Port → USD 2,636-2,913[124] | USD 659-729[127] • New York – Jakarta → USD 2,039-2,254[128] | • New York – Sihanoukville Port → USD 2,308-2,551[129] | • New York – Sihanoukville Port → USD 2,308-2,551[130] |
| **Cost of Labor (Taka/USD)** | | | | | | | |
| **Management** | The salary of a management professional is approximately USD 533/ month[131] (BDT 45,277/month ) | The average salary for a management professional is approx. USD 800 / month[132] (BDT 67,957/month) | The salary of a management professional in the state of Gujarat is approx. USD 1200 / month[133] (BDT | The salary of management professional is approximately USD 1,390/month[134] (BDT 118,076/month) | The salary of management professional is approximately USD 2,787/month[135] (BDT 236,746/ month) | The average salary of management professional in Cambodia is approximately USD 2770/month[136] (BDT 235,302/month) | The salary of management professional in Phnom Penh is approximately USD 3089/ month[137] (BDT 262400/month) |

[117] Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/
[118] Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/
[121] Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/
[122] Source: https://www.freightos.com/portfolio-items/freight-rate-calculator-free-tool/
[124] Source: https://worldfreightrates.com/freight
[127] Source: https://worldfreightrates.com/freight
[128] Source: https://worldfreightrates.com/freight
[129] Source: https://worldfreightrates.com/freight
[130] Source: https://worldfreightrates.com/freight
[131] Source: http://www.averagesalarysurvey.com/bangladesh
[132] Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors
[133] https://www.payscale.com/research/IN/Job=General_%2F_Operations_Manager/Salary/b39f955f/Ahmedabad
[134] Source: https://www.averagesalarysurvey.com/ghana
[135] Source: https://www.averagesalarysurvey.com/indonesia
[136] Source: https://www.averagesalarysurvey.com/cambodia
[137] Source: https://www.averagesalarysurvey.com/phnom-penh-cambodia

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | 101,936/month) | | | | |
| **Technicians** | The salary of a technician is approx. USD 403 / month[138] (BDT 34,223/month) | The average salary for a technician is approx. USD 280 / month[139] (BDT 23,785 /month) | The salary of a technician in the state of Gujarat is approx. USD 210 / month[140] (BDT 17,839/month) | The salary of a technician is approx. USD 958/month[141] (BDT 81,379/month) | The salary of a technician is approx. USD 2,117/month[142] (BDT 179,831 / month) | The average salary of a technician is approx. USD 861/month (BDT 73,139/ month) | The average salary of a technician is approx. USD 861/month (BDT 73,139/ month) |
| **Skilled** | The salary of a skilled labourer is approximately USD 107.25 / month[143] (BDT 9,110/month) | The average salary for a skilled labour is approx. USD 128 / month[144] (BDT 10,873/month) | The salary of a skilled labour in India in 2018 is approx. USD 601/month (BDT 51,052/month) | The salary of a skilled labourer is approximately 2,030 GHS/Month (USD 418.1/Month)[145,146] (BDT 35,516/month) | The salary of a skilled labourer is approximately USD 356/month[147] (BDT 30241/ month) | The average salary of a skilled labourer in Cambodia is USD 498/month (BDT 42,304/ month) | The average salary of a skilled labourer in Cambodia is USD 498/month (BDT 42,304/ month) |

[138] *Source: http://www.averagesalarysurvey.com/bangladesh*
[139] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[140] *Source: http://www.averagesalarysurvey.com/india*
[141] *Source: https://www.averagesalarysurvey.com/ghana*
[142] *Source: https://www.averagesalarysurvey.com/indonesia*
[143] *Source: http://www.averagesalarysurvey.com/bangladesh*
[144] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[145] *Note: As of December 31, 2018, exchange rate 0.00002*
[146] *Source: https://tradingeconomics.com/ghana/wages-high-skilled*
[147] *Source: https://tradingeconomics.com/indonesia/wages-in-manufacturing*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Unskilled** | The salary of an unskilled labourer is approx. USD 56/month[148] (BDT 4,757/month) | The average salary for an un-skilled labour is approx. USD 84 / month[149] (BDT 7,136/month) | The salary of an unskilled labour in India in 2018 is approx. USD 151.64/month [150] (BDT 12,881/month ) | The salary of an unskilled labourer is approx. 870 GHS/Month (USD 179.2/Month)[151,152] (BDT 15,222/month) | The salary of an unskilled labourer is approx. USD 188/month[153] (BDT 15970/ month) | The average salary of an unskilled labourer in Cambodia is USD 128.3/month (BDT 10,899/month) | The average salary of an unskilled labourer in Cambodia is USD 128.3/month (BDT 10,899/month) |
| **Sectors** | | | | | | | |
| **Type of Sectors within the Zone** | Textile & RMG, Food & Beverages, Leather and Leather products, Chemicals, Pharmaceuticals, Electrical/ Electronics, Light Engineering, | Light Machinery, Food Processing, Electrical and Electronics, Toys and Furniture Products | Textile & garments, Light Engineering, Chemicals, Plastics, Pharmaceuticals, FMCG | Oil and gas, agro processing, minerals processing, manufacturing, ICT (data processing/ assembling)[154] | Fish processing, coconut processing, pharmacy industries, logistics, agricultural industries, food processing, shipyard & | Light engineering and equipment such as vehicle Assembly and Spare part[156] | Garment and footwear, food processing and agricultural products, mechanical and electrical products and other consumer products (e.g., |

[148] *Source: http://www.averagesalarysurvey.com/bangladesh*
[149] *Source: http://www.investsrilanka.com/free_trade_zones/katunayake_other_cost_factors*
[150] *Source: https://tradingeconomics.com/india/wages-low-skilled*
[151] *Note: As of December 31, 2018, exchange rate 0.00002*
[152] *Source: https://tradingeconomics.com/ghana/wages-low-skilled*
[153] *Source: https://tradingeconomics.com/indonesia/wages-in-manufacturing*
[154] *Source: https://www.jetro.go.jp/ext_images/world/africa/seminar_reports/pdf/20160520/s2.pdf*
[156] *Source: http://open_jicareport.jica.go.jp/pdf/12111787_02.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | Equipment and Furniture, Plastic and Rubber, Non-metallic minerals | | | | metal industry and tourism[155] | | pharmaceutical, and packaging.[157] |
| **Special Regime** | | | | | | | |
| **Yes/No** | Yes, there will be a special regime for incentives | Yes, there's a special regime for incentives | Yes, there's a special regime for incentives | Yes, there's a special regime for incentives | Yes, there's a special regime for incentives | Yes, there's a special regime for incentives | Yes, there's a special regime for incentives |
| **Fiscal Incentives** | | | | | | | |
| **Customs Duties** | • Declaration of EZ as Ware housing Station- Duty free import & Export of Raw material etc.<br>• 100% duty free Import of Vehicle (One Car, | • Exemptions of Customs Duty on capital goods and raw materials.<br>• Non-export-oriented companies are entitled to import project related capital goods free of Customs Duty. | Exemptions from Customs duty on imports. | 100% exemption from payment of direct and indirect duties and levies on all imports for production and exports from free zones | • The facility of postponement of import duties is provided[158]<br>• Excise duty: Exempted for raw direct materials and supporting materials for | The zone developer shall receive custom duty exemption on the import of machinery, equipment for construction of the road connecting the town to the zone as well as other public services infrastructure for the public interest and the interest of the zone[159] | Cambodian SEZs offer exemption from import duty on materials equipment used in production[160]<br>• Also offers duty-free imports on certain goods such as equipment and construction |

[155] Source: http://digilib.mercubuana.ac.id/manager/t!@file_artikel_abstrak/Isi_Artikel_191432575710.pdf
[157] Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm
[158] Source: http://www.pma-japan.or.id/bundles/bsibkpm/download/Bitung_44.pdf
[159] Sources: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf
[160] Source: http://economists-pick-research.hktdc.com/business-news/article/Research-Articles/Cambodia-SEZs-in-Focus/rp/en/1/1X000000/1X0A9P4T.htm

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | One Microbus- 2000 cc)<br><br>100% VAT free Import of Machinery, Construction Materials | | | | production purposes<br>Import income tax: Not levied | | materials, as well as a full exemption from export taxes except in the case of a few excluded activities[161] |
| **Corporate Taxes / Indirect Taxes** | • Corporate income tax waiver for 12 years for developer<br>• Corporate income tax waiver for 10 years for unit investors<br><br>Exemption of VAT on local purchase excluding petroleum products; and on electricity and all utility services | • Exemption of tax on dividends.<br>• Minimum tax exemption of 4 to 11 years depending on the type of sectors and percentage of exports. | • Exemption from central and state level taxes | 100% exemption from payment of direct and indirect duties & taxes | Corporate income tax:<br><br>• Tax holiday for primary industries<br>• Tax allowance for other industries<br><br>Property tax:<br><br>• Reduction in compliance to the provision of law and regulation | Tax holiday (corporate income tax exemption) for up to 9 years[162] | • Corporate income tax exemption of up to nine years |

[161] Source: https://www.adrianoplegroup.com/post/phnom-penh-sez-japans-special-economic-zone-in-cambodia
[162] Source: https://www.jcci.or.jp/161104%20Cambodia,%20Tokyo%20Presentation%204%20Nov%202016.pdf

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Income Tax on Profits** | • Corporate income tax waiver for 10 years for unit investors | • Income tax exemption up to 5 years<br>• Reduced rate after 5 years/ tax holiday is levied at 12% to 28% depending on the income. | 100% Income Tax exemption on export income for SEZ units under Section 10AA of the Income Tax Act for first 5 years, 50% for next 5 years thereafter and 50% of the ploughed back export profit for next 5 years. | 100% exemption from payment of income tax on profits for 10 years and shall not exceed 15% thereafter | Income tax allowance is given for the business entity and individual who run business in SEZ Bitung<br><br>For main industries (Coconut processing and fishery):<br><br>• Reduction of income tax by 20-100% for 10-25 years for investment value more than IDR 1 trillion<br>• Tax deductions of 20-100% for 5-15 years for investment | Exemption of the tax on profits shall be provided for a maximum period of 9 years in compliance with Article 14.1 of the Law on the Amendment to the Law on Investment of the Kingdom of Cambodia[163] | • Exemption of the tax on profits shall be provided for a maximum period of 9 years in compliance with Article 14.1 of the law on the amendment to the law on investment of the Kingdom of Cambodia[164] |

[163] *Source: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf*
[164] *Source: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | | | value of more than IDR 500 billion<br><br>For other industries:<br><br>• Net income deduction of 30% for 6 years<br>• Accelerated depreciation<br>• Income tax on dividend of 10%<br>• Compensation loss of 5-10 years | | |
| **Social Security Tax** | No social security tax is available in Bangladesh | There is social security tax in Sri Lanka. The employer contributes 12% and the employee 8% of remuneration to the EPF. The | No social security tax is available in India | For corporates: Compulsory social security contribution of 13% of monthly basic salaries of employees | In Indonesia, social security tax was charged at the rate of 9.74% in 2018[165] | In Cambodia Employees do not make any contribution to the NSSF whereas Employers are required to contribute 3.4% of the average monthly | Employers are required to contribute 3.4% of the average monthly wage of workers to the National Social |

[165] *Source: https://tradingeconomics.com/indonesia/social-security-rate*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | employer also contributes 3% of employee remuneration to the Employee Trust Fund. Employees that have completed 5 years of service are entitled to a gratuity at the time of retirement at a rate of 50% of the last drawn salary multiplied by the number of years of service at the time of retirement. | | | | wage of workers to the NSSF[166] | Security Fund (NSSF)[167] |
| **No restrictions on Money Transfers** | Full repatriation of capital invested from foreign sources is allowed by Bangladesh. Similarly, profits and dividend accruing to | Sri Lanka does not impose any restrictions on the repatriation of profits. The government allows 100% repatriation on earnings, fees and capital, and on foreign exchange | Profit and dividend earned from an Indian company are repatriable after payment of dividend distribution tax (DDT). DDT @ 16.995% | • Total exemption from payment of withholding taxes from dividends arising out of free zone investments<br>• Free zone investments are guaranteed against nationalization and expropriation | No such incentives are prevailing in EZ | Free remittance of foreign currency<br><br>The zone developer, zone investor and foreign employees have the right to transfer all of their income derived from the investment and salary received in the zone to banks located in other | No restriction on foreign currencies convertibility[170]<br>Free remittance of foreign currency<br><br>• Unrestricted repatriation of profit |

[166] *Source: https://shieldgeo.com/payroll-and-tax-in-cambodia/#Social-Security-Registration*
[167] *Source: https://shieldgeo.com/payroll-and-tax-in-cambodia/*
[170] *Source: https://www.boi.go.th/upload/Cambodia_Presentation_78898.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | foreign investment may be transferred in full. If foreign investors reinvest their repatriable dividends and or retained earnings, those will be treated as new investment. Foreigners employed in Bangladesh are entitled to remit up to 50 percent of their salary and will enjoy facilities for full repatriation of their savings and retirement benefits | transactions relating to current account payments. | (inclusive of cess) is payable by the company (that declares dividend) on the amount of dividend distributed. However, dividend is free of Indian income tax in the hands of the recipient shareholders, Indian or foreign. Profit of LLP is flow-through and repatriable without payment of any taxes and without any regulatory approval[168]. | There are no conditions or restrictions on: repatriation of dividends or net profit; payments for foreign loan servicing; payments of fees and charges for technology transfer agreements; and remittance of proceeds from sale of any interest in a free zone investment | | countries after payment of tax[169] | |

[168] *Source: http://www.dobusinessinindia.in/repatriationoffund.php*
[169] *Source: https://www.ide.go.jp/library/English/Publish/Download/Brc/pdf/06_chapter3.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Others** | Exemption from income tax on salary of expatriates, dividend tax and royalty, technical fees, local govt. tax, land development tax | • Exemption of transfer charges on transfer of land | • Exemption from Service Tax<br>• Exemption from payment of Royalties & Cess on construction materials | • 100% exemption from payment of withholding taxes<br>• Relief from double taxation for foreign investors and employees<br>• 100% ownership of shares by any investor – foreign or national in a free zone enterprise is allowed | Value-Added Tax (VAT) (VAT and PPnBM) & Luxury Sales Tax: Exemption for taxable goods | • VAT suspension for all exported oriented activities171<br>• Import duty exemptions for machinery, equipment, production inputs and raw materials172 | VAT suspension for all exported oriented activities[173] |
| **Non-Fiscal Incentives** | | | | | | | |
| **One Stop Shop Within the Zone** | Yes, there will be a one stop shop within the zone | Yes, one stop shop is available within the zone | Yes, there is a one stop shop within the zone | Yes, there is a one stop shop within the zone[174] | No, there is no one stop shop within the zone | No, there is no one stop shop within the zone | Yes, there is a one stop shop within the zone[175] |
| **Support Amenities** | | | | | | | |
| **Onsite Administration office** | Yes, there is provision for some of these elements in the Master | There is onsite administration office available within the zone | There is onsite administration office available within the zone | There is onsite administration office available within the zone[176] | There is onsite administration office available within the zone | There is onsite administration office available within the zone[177] | There is onsite administration office available within the zone |

[171] Source: http://www.bigconnectivity.org/beta/sites/default/files/2017-03/Cambodia%27s%20SEZ%20Policy%20in%20Shanghai%2017-22%20Oct%2016.pdf
[172] Source: https://www.jcci.or.jp/161104%20Cambodia,%20Tokyo%20Presentation%204%20Nov%202016.pdf
[173] Source: http://www.bigconnectivity.org/beta/sites/default/files/2017-03/Cambodia%27s%20SEZ%20Policy%20in%20Shanghai%2017-22%20Oct%2016.pdf
[174] Source: https://taxaide.com.ng/2019/06/20/free-trade-zones-improving-nigerias-investment-potentials/
[175] Source: https://earthrights.org/wp-content/uploads/sezs_and_value_extraction_in_the_mekong_english.pdf
[176] Source: https://unctad.org/en/Docs/diaepcb20095_en.pdf
[177] Source: https://www.worldfzo.org/Portals/0/OpenContent/Files/487/Cambodia_FreeZones.pdf

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| **Onsite Convenience Retail** | Plan of the proposed EZ | There is no onsite convenience retail available within the zone | There is onsite convenience retail available within the zone | There is no onsite convenience retail available within the zone | There is no onsite convenience retail available within the zone | There is no onsite convenience retail available within the zone | There is onsite convenience retail available within the zone |
| **Onsite Housing** | | There is no onsite housing available within the zone | There is onsite housing (KASEZ Township) available within the zone | There is no onsite housing available within the zone | There is onsite housing available within the zone | There is no onsite housing available within the zone | There is onsite housing available within the zone |
| **Onsite Schools** | | There are no onsite schools available within the zone | There are no onsite schools available within the zone | There are no onsite schools available within the zone | There are no onsite schools available within the zone | There are no onsite schools available within the zone | There are no onsite schools available within the zone |
| **Onsite Community Facilities** | | There are onsite community facilities (playground, leisure park, healthcare facilities and sports complex) available within the zone | There are no onsite community facilities available within the zone | There are no onsite community facilities available within the zone | There are no onsite community facilities available within the zone | There are no onsite community facilities available within the zone | There is no onsite community facility available within the zone |
| **Onsite Security** | | There is onsite security available within the zone | There is onsite security available | There is onsite security available within the zone | There is onsite security | There is onsite security available within the zone | There is onsite security available within the zone[178] |

[178] *Source: https://earthrights.org/wp-content/uploads/sezs_and_value_extraction_in_the_mekong_english.pdf*

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | within the zone | | available within the zone | | |
| **Quality of Life** | | | | | | | |
| **International Housing (Within 15 Km)** | There is no international housing facility available within 15 km radius of the EZ | Residential facilities are available in Kowinna, Jayawardanapura and Mahunupitiya towns which are within 15 km to the EPZ. The commercial capital city, Colombo is round 29 km from the EPZ which has international standard residential facilities. | Several apartments and housing facilities are available in Gandhidam | There is no international housing facility available within 15 km radius of the EZ | There is no international housing facility available within 15 km radius of the EZ | There is no international housing facility available within 15 km radius of the EZ | There are quality residential facilities like Sun Apartments available in proximity to the zone |
| **International Hospital/Clinic (Within 20km)** | There is basic healthcare facility available in the region which can be availed at Nawabganj Upazila health complex | Healthcare facilities are available inside the EPZ. Air Force Hospital is just 8 km away from Katunayake EPZ. International hospitals available in Colombo (~29 km) | Ram Krishna super specialty hospital is available within close proximity of the economic zone | Quality Hospital like American International Hospital and International Maritime Hospital is available in close proximity to the zone<br><br>Healthcare facilities can also be availed at Atlantis Clinic, Tema | Quality healthcare facilities like RS Budi Mulia Bitung is available in proximity to the economic zone | There are no superior quality hospitals available in close proximity to the zone | There are quality international hospitals like Sen Sok International Hospital and Royal Phnom Penh Hospital in close proximity to the zone |

| Parameters | Nawabganj EZ | Katunayake EPZ | Kandla SEZ | Tema Export Processing Zone | Bitung Industrial SEZ | Neang Kok Koh Kong SEZ | Phnom Penh SEZ |
|---|---|---|---|---|---|---|---|
| | | | | General Hospital and The Lord's Pentecostal Church International, Ashaiman Central[179] | | | |
| **International Schools (Within 20 kms)** | There are no international schools available within 20 km radius. However, basic education facilities, polytechnic and engineering colleges are in Nawabganj | Superior quality educational institutes like Institute of Engineering Technology is present in proximity to the zone. University of Colombo, University of Sri Jayewardenepura and several other international educational institutions are in Colombo. | Quality schools like Alaina International school, Amarchand Singhvi International school etc. are available within close proximity of the zone | There are quality schools like Tema International School, Aves International Academy, Jesus Life International School, Witsands International School, SOS-Hermann Gmeiner International College and a few others in close proximity to the zone[180] | There are quality schools like Manado International School and Polaris school in close proximity to the zone | There are no superior quality schools available in close proximity to the zone | There are quality schools like Zion International School of Phnom Penh and Australian International School available within 20 kms from the zone |

*Source: PwC Analysis*

[179] *Source: https://www.google.com/maps/search/international+hospitals+in+Tema+Export+Processing+Zones/@5.6967906,-0.0080828,14z/data=!3m1!4b1*
[180] *Source: https://www.google.com/maps/search/international+schools+in+Tema+Export+Processing+Zones/@5.694637,-0.0446726,13z/data=!3m1!4b1*

## 4.5. Key Takeaways

Some important features and best practices that were present across the benchmarked EZs which helped remain competitive and attract industrial tenants are as follows:

*Table 27: Key Takeaways*

| | |
|---|---|
| **Location** | • Location is one of the most important factors for any EZ.<br>• The EZs used for benchmarking are successful EZs which are either located close to the capital city or major urban nodes or trade gateways which help in access to export/import opportunities, backward/forward linkages, major markets, social infrastructure and availability of human resources that will be employed.<br>• The proposed EZ is near to Dhaka (39 km), capital city and hence has good access to potential markets for finished goods and enjoys ease of sourcing manpower. |
| **Multi-modal Connectivity** | • The EZs used for benchmarking are successful EZs and are well connected via roads, railways, airports, seaports etc. to other main locations for ease of business and trade.<br>• Proposed EZ has access to road connectivity; however, it is located at a considerable distance (~256 km) from Chittagong port.<br>• Presence of Hazrat Shah Jalal International Airport in proximity of the proposed EZ provides access to air transportation<br>• It also has access to Kamalapur railway station which is a major railway station in Bangladesh |
| **Access to Utilities** | • Presence of Infrastructure/ Utilities such as Onsite Independent Power (at a competitive price), availability of water (at a competitive price) adds to the attraction of EZ.<br>• In case of the proposed EZ, the nearest power source is ~6 km from site and nearest water source is ~ 1 km (aerial distance) from the site.<br>• Two sub-stations of 33/11 KV and 132/33 KV have been planned inside the proposed EZ to receive and transmit power to the industries as per the Master Plan |
| **Cost of Land and Utilities** | • Cost of land is lower when compared to India and Cambodia, but it is on the higher side when compared to Sri Lanka<br>• Out of the competing EZs, cost of power is low in Srilanka, Ghana and Indonesia, whereas it is almost equal in Cambodia and India as compared to Bangladesh.<br>• Cost of water is low in Cambodia, Indonesia and Ghana, whereas it is high in Sri Lanka and India as compared to Bangladesh.<br>• Lower cost of utility shall result in reduced cost of manufacturing. |

| | | |
|---|---|---|
| **Cost of Manpower** | | • Cost of labor (management, technicians, skilled and unskilled) should be competitive. The cost of labor when compared to other global EZs is very low.<br>• This shows that the proposed EZ has an edge and is very competitive when it comes to cost of labor. |
| **Cost of Transportation** | | • For an EZ to be competitive globally, cost of transportation should be low.<br>• Comparison of cost of shipping a 20-foot FCL container from various locations indicates that transport cost to Bangladesh is higher as compared to the other competing EZs from Cambodia, Srilanka, Ghana and Indonesia but lower when compared to India.<br>• Higher cost of transportation means increased manufacturing cost. |
| **Support Amenities** | | • The benchmarking exercise demonstrates that EZs have support amenities such as Administration office, Convenience retail, Housing, Schools, Hospitals, Security etc. to support the people working and living in the EZ, and hence helps in attracting more investors.<br>• Thus, presence of similar facilities has been evaluated for the proposed EZ and certain land parcel has been earmarked in the Master Plan as 'support amenities" to develop such facilities. |
| **Sustainability** | | • Presence of an onsite wastewater treatment plant is a must-have for any EZ.<br>• Most of the EZs used for benchmarking globally had these plants.<br>• Similar facilities i.e. wastewater treatment, sewage treatment plant and solid waste management facility has been included in the Master Plan of the proposed EZ |
| **Economic Competitiveness of Host Country** | | • Out of the countries considered in this benchmarking exercise, India and Indonesia have fared well in terms of FDI inflow, global competitiveness ranking, financial market development ranking, and in ease of doing business.<br>• Bangladesh is laggard in terms of these macro-economic and regulatory parameters. However, its robust growth in the recent years have outperformed most of its peers |

*Source: PwC Analysis*

These notable best-practices and offerings can add to the potential of the proposed EZ from the perspective of attracting lucrative investments from reputed industrial houses and increase its demand. The same are kept in mind and incorporated in the master planning, and infrastructure assessment of the proposed EZ. **Basis the analysis done above, the proposed EZ is found to be competitive with respect to other EZs on majority of the comparative parameters.**

# 5. Industry Assessment

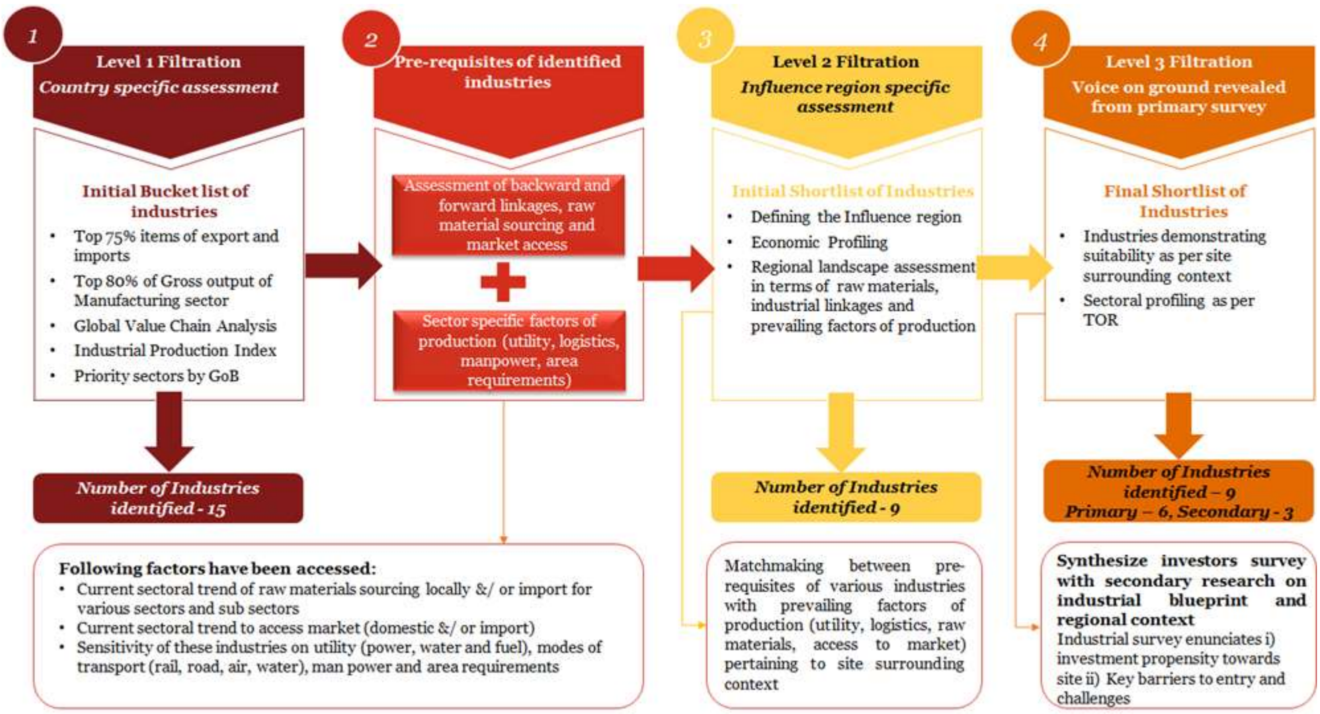
## 5.1. Key Objectives

Main objective of industry assessment is to identify site-specific best-fit industries which can be compatible with the local economy and existing supply chains of the region. Through this chapter, recent growth trends and policy support for various industries will be highlighted to draw attention to industry segments that are exhibiting significant development potential in Bangladesh. Local level infrastructural and manpower support, presently available and proposed plans, would be elaborated and site-specific suitability of various industries would be covered. Reference to insights obtained through primary survey have also been elucidated in this section. Further the results obtained from both primary (bottom-up) and secondary (top-down) studies would be synthesized to arrive at the final shortlist of industries for the proposed EZ. A detailed industrial profile would be undertaken for these target industrial sectors, covering typical land, power and water requirements, as well as, typical employment requirements for these sectors.

## 5.2. Framework of Industry Assessment

The process to arrive at the best-fit industrial mix that would be compatible in the context of the proposed EZ is a four-pronged approach covering macro level assessment of the country, which funnels down to site level and regional specific assessment, with validation from current manufacturers and members of various industrial associations.

Figure 24: Industry assessment framework




*Source: PwC analysis*

Level-1 and Level-2 filtrations delve into top-down assessment and are based on secondary research, whereas the findings from these two levels of filtrations are validated in the level-3 filtration (bottom-up assessment).

# 5.3. Industrial Sector Outlook Assessment of Bangladesh

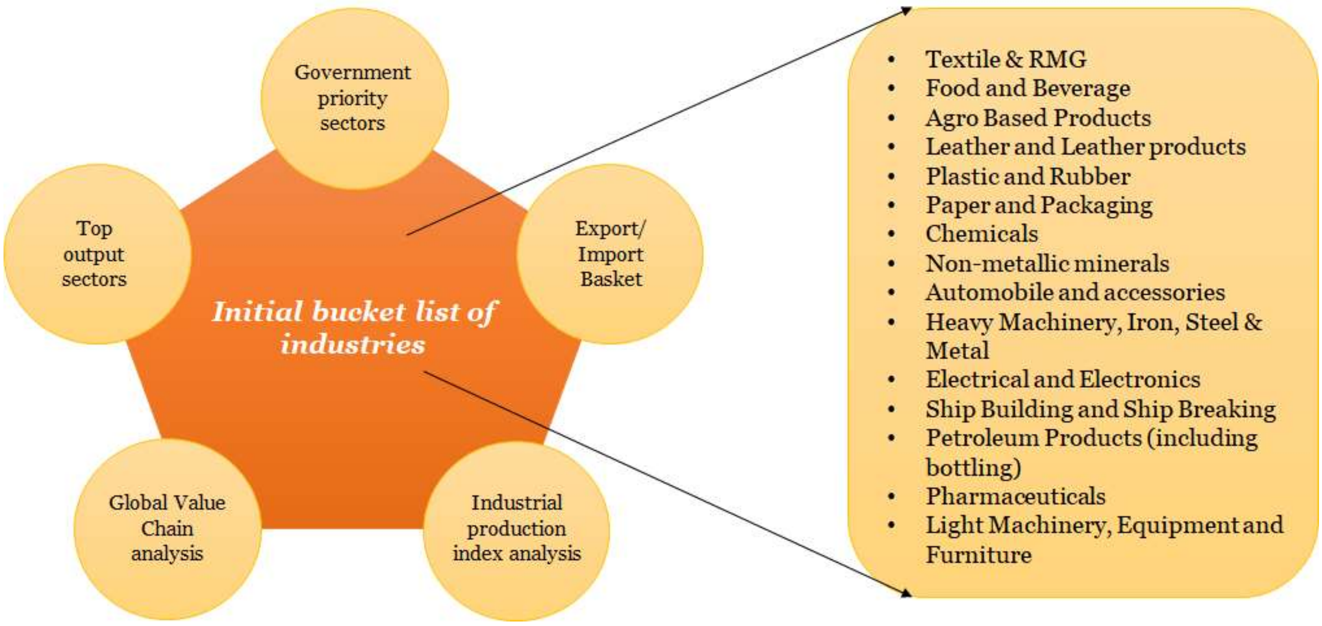
Bangladesh was world's seventh fastest growing economy and textile & RMG industry has always been the primary industrial sector in the country.[181] This sector formed 84.21% of the total export basket in 2018-19, providing employment to around 3.6 million people.[182] However, at the same time it also highlights the over reliance of Bangladesh's exports on a single sector as growth engine of the export economy. There is a need to improve its manufacturing competencies in other sectors in order to make its economy resilient to possible sector specific disruptions due to automation, policy changes and increasingly competitive global scenarios. Export diversification is one of the cornerstones of the Government's Seventh Five-Year Plan (FY 2016 to FY 2020).

For this engagement, in order to arrive at the potential industrial sectors which can be established at the proposed EZ, it is important to assess the following-

- Sectors contributing to top export and import basket of the country
- Traditionally dominant sectors in terms Gross Output of Manufacturing Sector
- Global Value Chain (GVC) analysis
- Index of Industrial Production analysis
- Priority sectors identified by the GoB

These parameters shall help understand at the country level, the dominant industries at present and the prospective industries which are going to come up in the future. Details of this assessment are provided in the annexure. Based on this assessment, an initial shortlist of industrial sectors was created by identifying those industries performing well across the parameters as highlighted above. The initial shortlist of industries is as mentioned below:

Figure 25: Initial shortlist of industries




*Source: PwC analysis*

All these sectors have either demonstrated sound growth or part of the priority sectors identified by the Government or are going to come up in the future.

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[181] *International Monetary Fund*
[182] *Bangladesh Garments Manufacturers and Exporters Association*

## 5.4. Outlook of Industrial Landscape in the Future

As mentioned earlier, Bangladesh has set forth an ambitious growth target of shaping up as a developed economy by 2041. However, it is imperative to mention that in the recent times, due to the COVID-19 outbreak, various disruptions in global supply chain and industrial linkages are taking place. A deep recession has loomed across the globe and UN trade agency highlights that COVID-19 is likely to cost economy USD 1 trillion during 2020. Bangladesh is no exception, RMG sector has already witnessed cancellation of orders around USD 3 billion from 1,059 Bangladeshi suppliers. This could result in employment loss of more than 1.44 million workers and export loss in the range of USD 4 billion.[183]

### 5.4.1. Impact of COVID-19 on the Initial Shortlist of Industries

Harvard Business Review (HBR) indicates that the largest 1,000 companies or their suppliers own more than 12,000 facilities in COVID quarantine areas. Since the past decade, China (the epicenter of COVID-19) has gradually established itself as the hub of electronics, technology products, industrial, and automotive manufacturing. China has placed itself as the second largest importer (USD 1.674 trillion in 2019) accounting for ~9.1% of global imports and largest exporter (USD 2.524 trillion in 2019) accounting for ~13.7% of global exports. COVID-19 will hinder this EXIM relationship between China and rest of the world. Bangladesh, owing to its import dependency on China is expected to suffer a massive slowdown in its industrial growth.

Industrial slowdown will directly impact supply chain, logistics, and shipping sector. Worldwide COVID-19 has disrupted supply chain of all commodities. HBR reviews indicate that COVID-19 has disrupted supply chains for nearly 75% of US companies. Baltic Dry Index (BDI) is down by 52% since December 2019. This steep fall in the BDI indicates substantial idle bulk shipping capacity.

While global economy is expected to contract by 2.2% in 2020 and this contraction would be highest in the G-20 economies.[184] These G-20 nations are the primary market for the RMG sector of Bangladesh, which is the backbone of the economy. Anticipated landslide in RMG sector might create a cascading effect and as a result further creates impact on other industrial sectors. World Bank indices indicate that the regional growth of South Asia would decline to a range between 1.8% to 2.8% in 2020 (from 6.3% projected six months back). Although various fiscal stimulus has been declared to revive the economy, the growth forecast in the coming 2 years is bleak for the country. World Bank indices indicate that real GDP of Bangladesh is expected to grow at:

- 2% to 3% in 2020 (it was 8.2% in 2019)
- 1.2% to 2.9% in 2021
- 2.8% to 3.9% in 2022

World Bank also has estimated the industry growth rates for Bangladesh between 2020-22, which are:

- ~2% in 2020 (from ~12.7% in 2019)
- ~3.5% in 2021
- ~6.1% in 2022

Recovery from this pandemic would take 3 to 4 years (at least) for the country. Bangladesh lacks indigenous production of raw materials and natural resources and the country is primarily import dependent on China and India. Apart from Textile & RMG and leather (constitute over 80% of export basket), all other sectors are domestic consumption oriented. Since the country is highly dependent on foreign trade, global slowdown will result in significant dip across the industrial sectors of the country.

In the following, a broad level assessment has been undertaken on the possible impact of COVID-19 across industrial sectors of the country.

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[183] *PwC Research*
[184] *World Economic Forum*

Table 28: Industrial sector profiling and impact assessment due to COVID-19

| Industrial sectors | Prevailing overview of the sector | Expected impact of COVID-19 |
|---|---|---|
| Textile & RMG | • The major industry, and the largest employer of the country<br>• Contributes more than 90% to the country's exports with exports worth ~41.5 billion USD in 2019.<br>• Industry has depicted growth rate of ~8% in the past and estimated to grow ~7% in the coming decade. | • Decrease in demand in western market will result in decreasing export of the industry<br>• More than 1 million jobs might be lost due to pandemic<br>• May generate disruption in the country's positioning as one of the market leaders in the industry |
| | 4 | 4 |
| Food & Beverages/ Agro based products | • Majorly domestic consumption driven, with exports worth ~850 million USD (2019), and imports worth ~6.11 billion USD (2019).<br>• Dairy sector has shown ~13% growth in the last five years, and in near future, the industry is estimated to grow between 12-14% each year.<br>• Sea food industry is estimated to grow by ~5% in the coming five years.<br>• Less import dependency; quality vegetables/ fruits and food items are imported- however, the trend is declining | • Less impact envisaged as most of the industry is domestic consumption driven<br>• In short term, there might be impact due to decrease in consumption and declining spending propensity, and decline in exports (e.g. shrimp)<br>• In long term, industry should gain momentum as it caters to the "essential" product segment |
| | 3 | 1 |
| Leather and Leather Products | • Another major industry in Bangladesh in addition to textile & RMG.<br>• Recorded exports worth ~508 million USD in 2019 and has depicted growth of ~10% annually in exports.<br>• The industry is rising rapidly and estimated to grow between 10-12% every year in the coming five years. | • Considerable impact considering the luxurious nature of leather products<br>• Decrease in demand in western market might result in dip in exports<br>• |
| | 3 | 3 |
| Plastic and Rubber | • Majorly import dependent, and low domestic production<br>• Exports worth only ~125 million USD in 2019, while estimated domestic market size of ~1 billion USD (as of 2018)<br>• Imports for 2019 were recorded at ~433 million USD, much higher than exports in the same industry | • Medium impact, as industry acts as input to both essential and non-essential services industry (e.g. food as well as RMG)<br>• Mostly consumption driven market, so domestic production will only be affected in short term. |

| Industrial sectors | Prevailing overview of the sector | Expected impact of COVID-19 |
|---|---|---|
| | • But exports are estimated to grow at 5-8% in the coming few years. | • Imports might be impacted due to possible disruption of global supply chains |
| | 1 | 2 |
| Paper and Packaging | • Domestic consumption driven industry.<br>• Recorded export worth ~20 million USD in 2019, while imports were recorded at ~683 million USD.<br>• Export of the product has demonstrated volatile growth rates in the past decade, and in short term exports will be impacted due to decrease in demand in downstream industries. | • Medium impact in short term due to decrease in demand from downstream industries.<br>• In long term, demand for paper might decrease due to shift of consumer base to digital platforms<br>• On the other side, packaging demand will likely to remain constant in long term |
| | 2 | 1 |
| Chemicals | • Domestic consumption driven industry, with significant import dependency<br>• Domestic production is estimated to grow between 1-2% in the next five years.<br>• Import of ~835 million USD worth organic chemicals in 2019, while ~392 million USD worth inorganic chemicals were imported in the same year. | • High impact in short term as imports are affected and industrial needs getting depleted<br>• Low impact in long terms, as industrial production will continue once the pandemic recovers |
| | 2 | 3 |
| Non-metallic minerals | • Majorly domestic consumption market driven industry.<br>• Exports are limited. Exports worth ~47 million USD in 2019, while imports were recorded at ~247 million USD in the same year.<br>• Volatile nature of exports with few years depicting growth in exports while few years decrease.<br>• Industry is estimated to grow north of ~10% in the coming five years. | • Low impact in long term due to nature of products, and demand for construction, real estate (major consumer industries) is likely to go back to normal in long term as pandemic recovers.<br>• In short term, there is significant dip in the demand for industry products (e.g. cement, ceramics, and glass), and hence considerable impact<br>• Disruption in recently rising exports from Bangladesh might impact in long term in international market. |
| | 2 | 3 |

| Industrial sectors | Prevailing overview of the sector | Expected impact of COVID-19 |
|---|---|---|
| Automobiles and accessories | • Domestic market consumption-based industry. Most of the domestically consumed materials is imported.<br>• Exports worth ~95 million USD in 2019, and it is estimated to grow north of 5% YOY in the coming five years.<br>• Imports were recorded worth ~1075 billion USD in 2019 | • Low impacts in long term considering the nascent stage of development of industry in the country.<br>• Few assembly plants are closed amid lockdown, and hence decrease in domestic production in short term.<br>• Possible impact on domestic consumption market, as global supply chains (and hence production lines) are likely to be disrupted |
| | 1 | 3 |
| Heavy Machinery, Iron, Steel and Metal | • Import dependency, and low exports in the sector<br>• Domestic market is estimated to grow ~12-14% in the coming few years amid increase in demand in the sector.<br>• Exports worth ~49 million USD for heavy machineries in 2019, while for iron and steel worth ~32 million USD in the same year.<br>• Imports for heavy machinery recorded at 5.8 billion USD, while for steel and iron at 2.9 billion USD | • Low impacts in long term considering the nascent stage of development of heavy machinery industry in the country.<br>• Possible supply chain disruption due to impact on imports<br>• Decrease in domestic demand due to decrease in consumption power, lockdown and halt in infrastructure projects. |
| | 2 | 3 |
| Electrical and Electronics | • Majorly import dependent with imports worth ~3.24 billion USD in 2019, compared to exports worth only ~60 million USD<br>• Domestic market estimated to grow by ~7% in the coming few years.<br>• Presence majorly at manufacturing of cables, and less tech intensive electrical and electronics products. | • Decrease in consumption power in short term may impact the sales of electronics and electrical products.<br>• Most of the channels of sales will remain affected even if lockdown conditions are withdrawn thus putting a negative effect on new batches of production<br>• Disruption in supply chains will negatively impact the domestic production through impact on export as well as import<br>• In long term, the industry will likely to be very less impacted. |
| | 1 | 3 |

| Industrial sectors | Prevailing overview of the sector | Expected impact of COVID-19 |
|---|---|---|
| Shipbuilding and Shipbreaking | • Domestic consumption market driven industry, with dependency on imports<br>• Imports worth ~552 million USD in 2019 compared to exports worth only ~12 million USD.<br>• Presence of industry in the coastal regions such as Khulna, Bagerhat, and Chittagong districts. | • Demand might decrease slightly as global shipping lines and/ or local shipping lines shall face slowdown<br>• Since this sector is a traditional and saturated sector, much change might not happen<br>• Order books of the shipyards in the country should decline |
| | 2 | 1 |
| Petroleum Products (Including bottling) | • Domestic market driven industry with currently dependent on majorly imports.<br>• Import worth ~4.38 billion USD in 2019, compared to exports worth only ~21 million USD.<br>• Industry estimated to grow between 6-8% in the coming few years. | • Decrease in domestic demand might impact on decrease in imports<br>• Decreasing oil prices might benefit country positively, and help other sectors to save significant costs of fuel<br>• Limited domestic refining capacity will impact the capacity of Bangladesh to take benefit from low oil prices, as it will have to import the refined oil from the international market. |
| | 2 | 3 |
| Pharmaceuticals | • Domestic market as well as export-oriented industry<br>• Estimated to grow between ~13-15% in the coming five years.<br>• Imports worth ~267 million USD compared to exports worth ~37 million USD. | • High demand for pharmaceutical products in short as well as long term<br>• Development of local API park at Munshiganj will help Bangladesh to decrease imports of APIs and hence grow the domestic pharma industry due to increase in demand<br>• Very less/no impact of pandemic on this sector as it is an "essential" product related sector |
| | 3 | 1 |
| Light Machinery, Equipment and Furniture | • Exports worth ~88 million USD compared to imports worth ~202 million USD in 2019 for furniture category.<br>• Industry is estimated to grow at ~5% in the next coming years due to rising domestic market. | • Decrease in demand in short term due to decrease in new infrastructure development, stalled industrial manufacturing and MSME operations.<br>• In long term, the industry will be less impacted, as demand is likely to |

| Industrial sectors | Prevailing overview of the sector | Expected impact of COVID-19 |
|---|---|---|
| | | come back to normal post the recovery from the pandemic. |
| | 2 | 2 |
| **The details of Rating are as follows:** | | |
| 0 | Very Poor Condition | No/Minimal Impact |
| 1 | Poor Condition | Little Impact |
| 2 | Medium/Average Condition | Medium Impact |
| 3 | Above Average Condition | High Impact |
| 4 | Good Condition | Very High Impact |

*Source: PwC Research*

Owing to COVID-19, disruptions have taken place across the industrial sectors in Bangladesh; however, this may also bring out certain opportunities. It is imperative that the country has been scouting for foreign investors and the EZ regime is also targeted to attract the foreign manufacturing players to set up their units in Bangladesh. The onset of USA-China trade war prompted a lot of foreign companies to migrate from China and shift to other South Asian locations. In order to reduce higher tariffs imposed by USA, many Chinese players are also relocating. In the post COVID era, multiple foreign players shall move out from China; recent news articles indicate that Japanese companies are being incentivized to move from China.

Bangladesh as an investment destination offers low cost of operations and low cost of human resources. During these uncertain times, the companies have to choose between opting for automation to reduce cost or to relocate to such locations which offer lower cost of manufacturing- Bangladesh is right suited for the same. In order to attract these foreign investors, the EZ regime should open up by offering better and additional fiscal incentive packages (such as higher tenure for corporate tax exemption, import duty waiver on used machineries).

## *5.4.2. Evolution of Industrial Outlook in the Future*

While the impact of COVID-19 is expected to last for the coming 3-5 years, post which the industrial outlook shall improve. Keeping cognizance of the ulterior objective of GoB in shaping up the country as developed economy by 2041, in the long-run, Bangladesh should focus on Industry 4.0. The term Industry 4.0 encompasses a promise of new industrial revolution. It is the digital transformation of industrial markets; specifically manufacturing industry driven by four disruptions: the astonishing rise in data volumes, computational power, connectivity and business intelligence capabilities.[185] It takes the automation of manufacturing processes to a new level by introducing customized and flexible mass production technologies.

According to recent research study by McKinsey Global Institute, industries with highest potential for automation are manufacturing, accommodation, food services, transportation and warehousing. Experts forecast that businesses will be able to increase their productivity by about 30% using Industry 4.0 by 2025.[186] Bangladesh being a developing economy depends on export of manufactured products to foreign countries. However, with the advent of industry 4.0 regime, manufacturing is becoming less labor intensive, which might create challenges for manufacturing industry in Bangladesh, which is majorly driven by cheap labor in the country. In light of Industry 4.0, it is pertinent for countries like Bangladesh, to do away with cheap labor being the primary driver of competitiveness and focus on infrastructure & logistics, research & development, and technology will be required to remain competitive in a changed industrial landscape. Therefore, it is imperative to develop the

*185 McKinsey Publications*

management of manufacturing and chain productions so that the efficiency would be substantially increased which is a strong indicator that Industry 4.0 is crucial for Bangladesh to move forward. Bangladesh needs the adaptation of Industry 4.0 not only to increase the industrial production but also to bolster the overall socio-economic growth.

Table 29: How Industry 4.0 shall change the outlook of industrial sectors by 2041

| Industrial sectors | Solutions through Industry 4.0 (2041) |
|---|---|
| Textile & RMG | • Automation technologies such as use of robots in the textile & RMG sector to reduce the cost of outsourcing production and logistics cost and decrease the turnaround time.<br>• Bangladesh needs to adapt to Industry 4.0 and need to focus on creating high value goods (from currently manpower oriented and focus on low value goods) through technology enablement. |
| Food & Beverages/ Agro based products | • To remain competitive and to increase the production capacity in this sector, new technologies such as use IOT and smart manufacturing needs to be implemented in order to boost the production without raising costs.<br>• Although, Food & Beverages sector may not be completely ready to embrace the Industry 4.0, Bangladesh needs to invest in research and development of new technologies to differentiate a business amongst the competition. |
| Leather and Leather Products | • By adopting new technologies and processes in tanneries, it will help to recycle and reduce the effluent discharges.<br>• Design of the leather products is a critical step in leather products manufacturing. Precision of the design of the leather products and quality of goods can be improved by adopting new technologies such as smart manufacturing in this sector to increase the export share of leather products. |
| Plastic and Rubber | • With the help of integrative production technologies, Bangladesh can improve the production capacity with minimal increase in costs and reduce waste with efficient and flexible production cycles. |
| Paper and Packaging | • Manufacturers in Bangladesh are investing in upgradation of technology to export quality papers in order export to global markets.<br>• Due to changing policies pressures and competition, this sector is changing rapidly. So, to remain competitive, this sector must innovate not only the products but also the manufacturing processes with automation and digitization which will benefit in terms of productivity, efficiency and quality. |
| Chemicals | • Deployment of connected systems and analytical models for predictive asset management.<br>• Bangladesh can get ready for export-oriented manufacturing by streamlining the operations. Technologies such as AI, Robotics and additive manufacturing can be efficiently integrated to digital transform the operations in the chemical industry.<br>• Smart techniques introduced by industry 4.0 can help this sector in enhancing productivity and aligning manufacturing operations. |

| Industrial sectors | Solutions through Industry 4.0 (2041) |
|---|---|
| Non-metallic minerals | • Issues such as rising costs, enormous energy consumptions and overall complexity can be reduced with the help of 4.0 techniques such predictive analytics maintenance, end-to-end optimization thereby improving operational efficiency and reducing operational costs. |
| Automobiles and accessories | • Technologies such as Machine learning and Advanced analytics help with greater connectivity with their automobiles, pushing the industry to evolve.<br>• Bangladesh needs to focus on promotion of more research and development in the automobile sector and through induction of new technologies in the production lines. |
| Heavy Machinery, Iron, Steel and Metal | • Manufacturing can be done efficiently through Industry 4.0 concepts and new developed manufacturing techniques such as Smart factories and Smart manufacturing. |
| Electrical and Electronics | • Analytics platform across its facilities to reveal the amounts of waste they generate across utilities (water, electricity etc.).<br>• Azure machine learning techniques in smart factories to detect and predict defects in machinery. This allows for predictive maintenance that can cut down on unexpected delays, which in turn helps in reduction of costs.187<br>• Bangladesh needs to adapt to the global changes in Electrical and Electronics Industry as this field has a higher degree of digitization than any other industrial sector in the world. Investments in R&D, process developments and technology improvements to support the innovations in this sector to remain competitive in the market. |
| Shipbuilding and Shipbreaking | • Smart Ship building by introducing robotics, 3-D printing technology to increase the efficiency.<br>• Bangladesh needs to focus on promotion of more research and development in this sector and through induction of new technologies in the production lines so as to reduce the production and operational cost and increase its production efficiency. |
| Petroleum Products (Including bottling) | • Smart Sensors in the Oil refineries enhance the monitoring the safety and functionality of all processes.<br>• Similar automation and digitization techniques in this sector such as Information Management systems etc. will play a crucial role in the upliftment of this sector. |
| Pharmaceuticals | • Implementing new industry 4.0 concepts in Pharma sector will provide in line and in-time control over the business, operations and quality.188 Developing nations are currently working on APC strategies to implement in Pharma sector to improve the quality and production. |

[187] *nordcloud.com*
[188] *ispe.org*

| Industrial sectors | Solutions through Industry 4.0 (2041) |
|---|---|
| | • Similarly, Bangladesh should look upon new manufacturing techniques in this sector and train the manpower to build and help operate adopted technologies so as to improve the production and reduce risk and waste. |
| Light Machinery, Equipment and Furniture | • Bangladesh can be competitive in this sector by customized production by introducing industry 4.0 concepts such as Smart manufacturing into the production to achieve efficient production targets and quality products. |

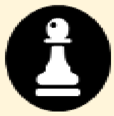
*Source: PwC Research*

Above discussions bring out the popular industrial sectors in Bangladesh context and how the future would shape up for these sectors. Following section delves into the holistic assessment of the region surrounding the proposed EZ to understand the suitability of the initial shortlist of industries in site surrounding context.

## *5.4.3. Key Areas to Focus for Bangladesh*

As established in the earlier sections, the effect of this pandemic would be prolonged in case of industrial manufacturing sector. Although, sectors such as Food & Beverages, Agro-based products, and Pharmaceuticals are somewhat immune against this but on a broader spectrum, overall industrial growth is expected to be lower than previously optimistic growth rates projected in the pre-COVID era. In order to cope and emerge stronger economically, Bangladesh should focus on certain areas and define its strategy in both short and long term. The table below tries to highlight certain tactics (short term) and strategies (long term) which could help Bangladesh minimize the ill-effects of this pandemic on its economy.

*Table 30: Some key Short term and Long-term focus areas for Bangladesh*

| <br>**Tactics: Short Term** | <br>**Strategy: Long Term** |
|---|---|
| • Banking on its low factor costs of production, Bangladesh could promote itself as an alternate investment destination for foreign firms exiting China; it has been already confirmed that a large contingent of Japanese firms are being incentivized for moving their facilities out of China<br>• In order to successfully lure these investors, Bangladesh has to upgrade its policies related to incentives, regulations etc. in lieu of becoming a more attractive investment destination as compared to India and other South east Asian economies<br>• Ensure strict protocols for re-operationalization of identified industries. Some measures could be –<br>  ○ Factory disinfection plan | • In the long term, decision makers should evaluate impact of the pandemic on industries and sources of these impacts. For example, industries with high import dependence could look at alternate sources of supply which can even be domestic in nature<br>• Re-evaluation of consumption dependence on manufacturing could also help in optimization of factors of production<br>• Higher participation in Global Value Chain of high value products which could alleviate risks accrued due to sudden shocks such as the one at hand in future<br>• Diversification of export basket and reduced dependency on the textile & RMG sector; it has already been realized that Bangladesh needs to reduce its disproportionate dependence on this sector, efforts towards achieving the same has |

| Tactics: Short Term | Strategy: Long Term |
|---|---|
| ○ Product hygiene authentication<br>○ Equipment usage and safe distance support<br>○ Mandatory OD mapping and reporting of migrant workforce<br>○ Person to equipment mapping<br>○ Additional protocols for materials receipt at trade gateways<br>• Developing a risk framework for opening up economy basis inherent nature of industries and COVID intensity in the region | also been started which should become more aggressive as the country emerges into the post-COVID era<br>• Most importantly, a gradual shift from labor intensive production processes towards automation could hold the key for a bright future for the country as most developing economies are embracing such technologies to reduce human effort and improve production techniques. |

*Source: PwC Research*

## 5.5. Regional Assessment

Regional assessment involves assessment of the region surrounding the proposed economic zone on various parameters which can supplement the development of an economic zone. Few of the such parameters are – agricultural and natural resources, human resource profiling in the region, industrial ecosystem in the region, and new key developments planned in the nearby areas.

The region here refers to the area which considers Dhaka district (district in which a proposed EZ is located), and its nearby districts which can make direct impact on the EZ development. These districts are:

1. Dhaka
2. Gazipur
3. Munshiganj
4. Narayanganj
5. Faridpur
6. Manikgonj

This section will attempt to understand the profile of the region and will assess the region for understanding the better industrial mix at the proposed economic zone. Few details about the districts in the influence region are as shown in Table 31:

*Table 31: Key details about districts in the influence region*

| Sr. No | Name of the District | Area in Sq. Km | Population (2020, estimated) in Million | Per Capital GDP (Current USD) # | Average Consumption Expenditure (USD per Capita) |
|---|---|---|---|---|---|
| 1 | Dhaka | 1,464 | 13.3 | 3,008 | 1262 |
| 2 | Gazipur | 1,742 | 3.7 | 2,056 | 1107 |

| Sr. No | Name of the District | Area in Sq. Km | Population (2020, estimated) in Million | Per Capital GDP (Current USD) # | Average Consumption Expenditure (USD per Capita) |
|---|---|---|---|---|---|
| 3 | Munshiganj | 954 | 1.6 | 1,715 | 841 |
| 4 | Narayanganj | 683 | 3.2 | 1,343 | 931 |
| 5 | Faridpur | 2,073 | 2.1 | 1,375 | 770 |
| 6 | Manikgonj | 1,384 | 1.5 | 1,598 | 834 |

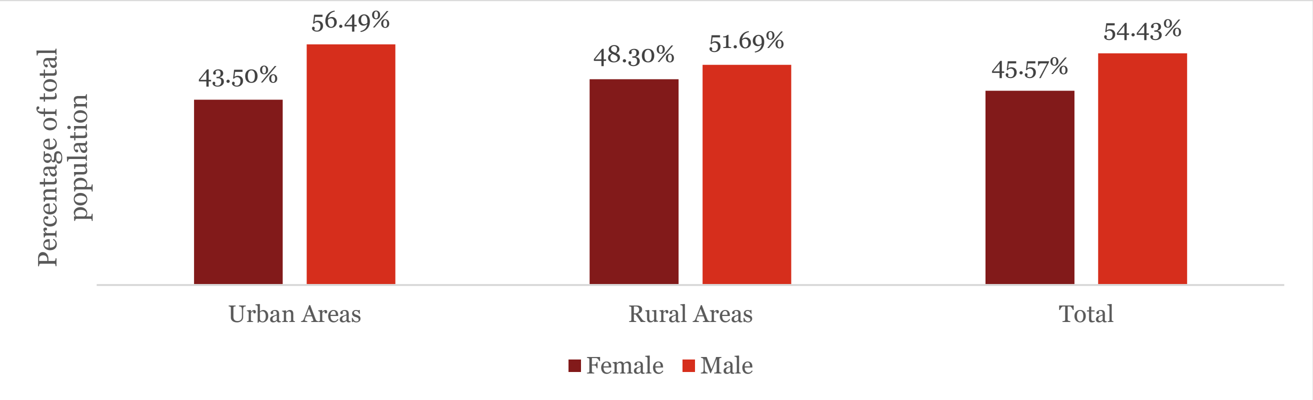
*#-Estimated for 2018, the country's per capita GDP is for year 2018*
*Source: Lagging District Survey (LGED), Bangladesh Bureau of Statistics, and World Bank Database*

Dhaka, Gazipur, and Narayanganj are the important urban clusters in the country and hence are also observed to have more population compared to rest of the districts in the influence region (Table 31). Dhaka, Munshiganj and Gazipur are the top three in terms of per capital GDP among the influence region and have GDP per capita higher than the national average. These districts are also observed to have higher domestic per capita consumption compared to the rest of the districts in the influence area. On the other side, Manikgonj, Faridpur and Narayanganj are observed to have per capita GDP below the national average of ~1,698 USD per capita.

## 5.5.1. Demographics of the Influence Region

Dhaka district, located in the central Bangladesh is the densest district in the country is estimated to have ~13.3 million population in the district by 2020, and its share in the national population is estimated to be 7%. The district has higher male population than female, while approximately 77% the population resides in the urban area. Graph depicted in Figure 26 tries to depict the gender wise population distribution in the Dhaka district.

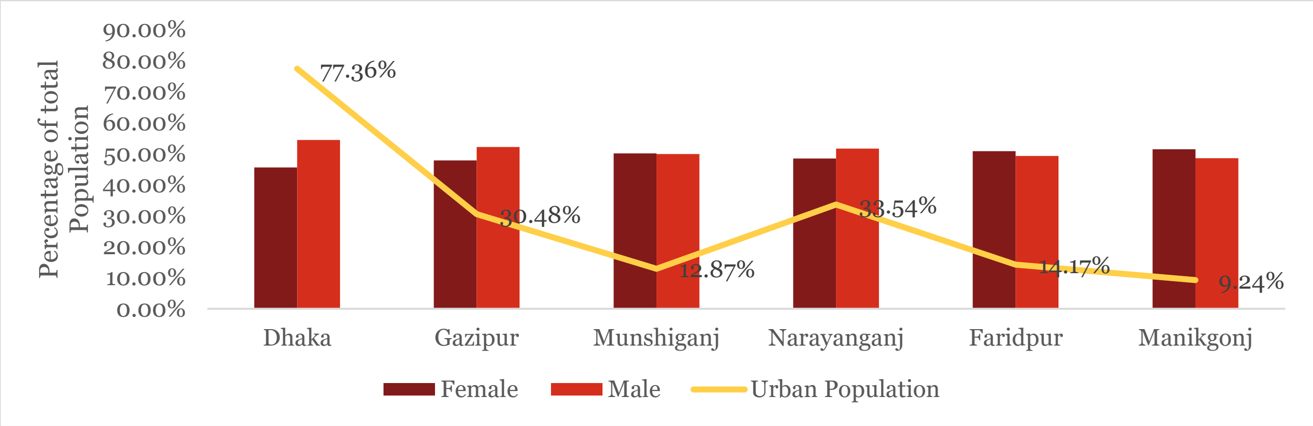
*Figure 26: Gender wise Population Distribution in the Dhaka District (2020 estimated)*




*Note: The ratio is calculated on the basis of population estimated for 2020*
*Source: Population and Housing Census, Bangladesh Bureau of Statistics*

Graph in Figure 27 depicts the gender wise distribution of population as well as population distribution by urban rural divide for all the districts which are part of the influence area.

*Figure 27: Gender wise and Urban-Rural Distribution for Districts in influence region (2020 estimated)*

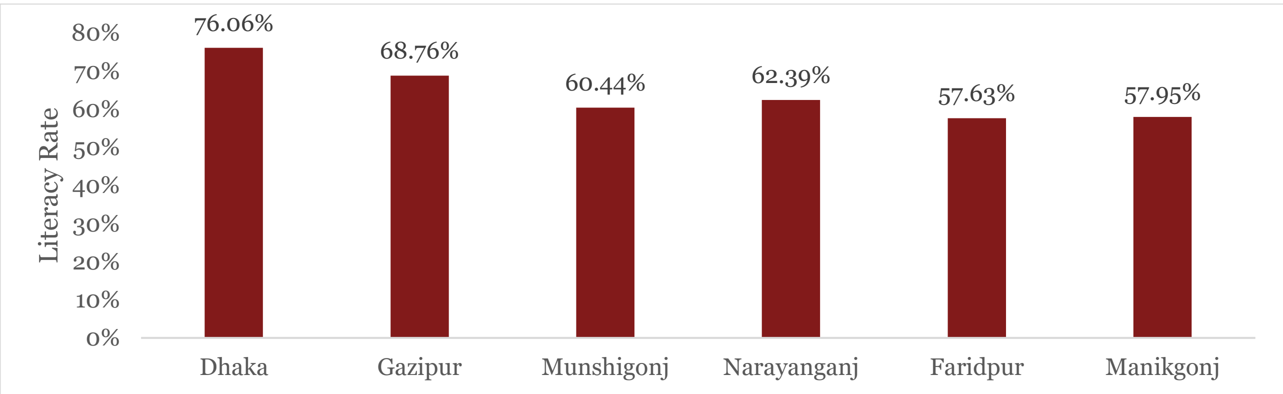



*Note: The ratio is calculated on the basis of population estimated for 2020*
*Source: Population and Housing Census, Bangladesh Bureau of Statistics*

It may be noted that, male population is higher than the female population in the important industrial clusters of the country i.e Dhaka, Gazipur and Narayanganj. Also, the share urban population is highest in Dhaka district (~77.36%) while it is lowest in Manikgonj district (~9.24%). The high urban population in Dhaka depicts the industrial prosperity and the better urban infrastructure among other districts in the influence region, which can attract the potential workforce in the region. The almost equitable gender ration in the region depicts the availability of both male as well as female workforce in the influence region, which might provide workforce to both the male dominated industries such as iron and steel, and female dominated industries such as textile and RMG.

The quality of manpower is generally determined by literacy rate. The literacy rate of the districts in the influence area is depicted in the Figure 28.

*Figure 28: Literacy rate for population in the influence region (2020 estimated)*




*Note: The numbers are estimated for 2020, on the basis of latest results in 2011 census.*
*Source: Population and Housing Census, Bangladesh Bureau of Statistics*

Districts such as Dhaka, Gazipur, Narayanganj and Munshiganj are estimated to have better literacy rate compared to districts such as Faridpur and Manikgonj. Literacy is generally seen higher in the urban areas compared to rural areas, and higher urban population has played a significant role in increasing literacy of the districts such as Dhaka, Narayanganj and Gazipur as depicted in Figure 28.

Most of the people residing in Dhaka district are employed in manufacturing sector, wholesale and retail sector, followed by accommodation and food service activities, education, transportation sector, and other services.

**Sourcing of Human Resources**

It is important to have adequate training and educational infrastructure in the district in order to train the manpower. Dhaka district houses some of the finest educational institutions in the country. Some of the major colleges in the district are –

- Bangladesh University of Engineering and Technology
- University of Dhaka
- Jagannath University
- Bangladesh University of Professionals
- Bangabandhu Sheikh Mujib Medical University
- Bangladesh University of Textiles
- North South University etc

Apart from these institutes, which can provide for skilled labor, there are total 1,097 technical and vocational educational training institutions in the district. The following table depicts the number of TVET institutions in the district and their distribution as per the type of institutions.

*Table 32: TVET institutions in Dhaka district*

| Type of Institute | Number of establishments |
|---|---|
| Polytechnic Institutes | 58 |
| HSC (Business Management) | 18 |
| Training Institute | 721 |
| Vocational Secondary Education | 37 |
| General Secondary School (Attached vocational education) | 53 |
| Institute of Medical Technology | 86 |
| Nursing Institute | 40 |
| Union Digital Centre (UDC) | 47 |
| Technical School and College | 1 |
| Office (Training) | 7 |
| Technical training center | 4 |
| Textile institute | 17 |
| Sarkari Shishu Paribar | 1 |
| Nursing College | 7 |
| **Total** | **1097** |

*Source: TVET Institution Census*

The TVET institutions offer various trainings such as welding, plumbing, and carpentry, which can be directly used in the industry. These courses will help factories in proposed EZ to get workforce, while will also offer employment option to the local youth. Industries in the EZ can also collaborate with the TVET institutions for training purposes and new innovative and on demand courses may be started in these TVET institutions through industry-academia collaboration.

The unskilled labor can be easily sourced from Nawabganj upazila and nearby regions. Generally, in Bangladesh, unskilled labor is not a big challenge, as migration of unskilled labor is quite prevalent and widespread in the country. The only challenge is for skilled or semi-skilled labor, which can also be sourced from various TVET institutions in the district, and districts in the influence region. Development of economic zone in the district will also restrict the trend of people migrating from the district to the urban areas close to Dhaka and Chittagong in search of employment.

**Availability of skilled as well as unskilled workforce in the region depict the opportunity of development of various industries in the region ranging from textile & RMG, and Food & Beverages which are labor intensive to the electrical and electronics and pharmaceuticals which are knowledge intensive.**

## 5.5.2. Access to Natural Resources

Natural resources are essential for the development of manufacturing industry, and hence access to them is one of the major criteria for the assessment of region and industry profile of the industrial hub.

### 5.5.2.1. Agricultural Resources

As mentioned earlier, Dhaka district economy is primarily dependent on agriculture in the rural areas and industry based in the urban areas. Various agricultural resources such as vegetables and fruits are grown in this district. Few of the agricultural products produced in the district are mostly distributed to the domestic market, while few of these are also exported to the international market as well. Table 33 given below depicts the list of major crops grown in the influence region.

*Table 33: Major crops in the influence region (fruits not included, 2018)*

| Sr. No. | Name of the District | Major Crops |
|---|---|---|
| 1 | Dhaka | Rice, Wheat, Jute, Tobacco, Potato, Spices and Pulses |
| 2 | Gazipur | Paddy, Jute, Pulses, Sugarcane, Palm |
| 3 | Munshiganj | Potato, Jute, Rice, Betel Leaf, Wheat, Mustard, Lentil, Ground nut, Maize, Tomato |
| 4 | Narayanganj | Paddy, Jute, Wheat, Mustard seeds |
| 5 | Faridpur | Paddy, Jute, Wheat, Oil seeds, Pulses, Onions, Garlic, Sugarcane |
| 6 | Manikgonj | Paddy, Jute, Sugarcane, Wheat, Tobacco, Mustard, Potato, Ground nut, Onion, Lentil, Pulses |

*Source: Agricultural Yearbook 2018, Bangladesh Bureau of Statistics*

As depicted in the above table, the influence region is rich with crops such as Paddy, Wheat, Jute, Potato, Sugarcane, Pulses and Mustard. Table 34 depicts the production of major crops in Dhaka district.

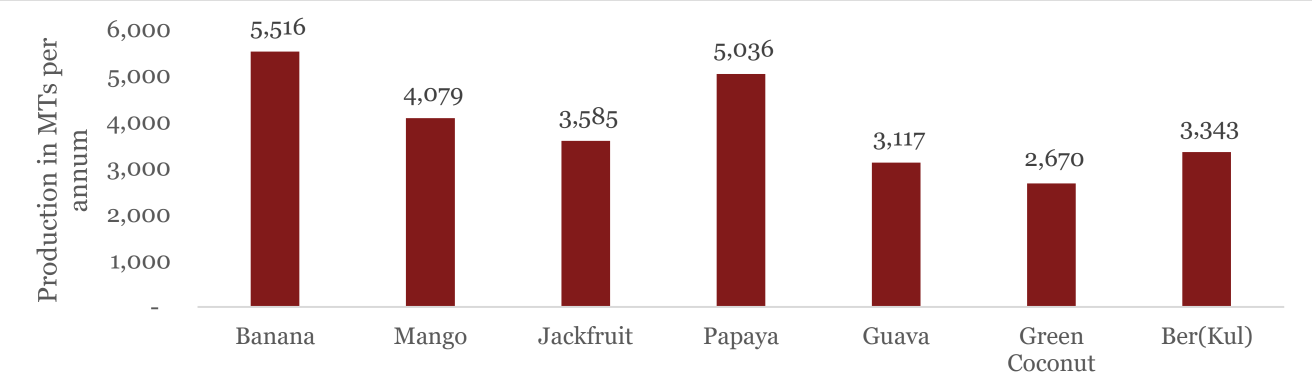
*Table 34: Production of major crops in Dhaka district (2018)*

| Sr. No. | Crop type | Area under cultivation in Ha | Production in MTs |
|---|---|---|---|
| 1 | Jute | 5,206 | 58,017# |
| 2 | Potato | 1,906 | 40,980 |
| 3 | Lentil | 4,177 | 3,831 |
| 4 | Mustard | 10,003 | 10,025 |
| 5 | Maize | 4590 | 32,256 |
| 6 | Rice | 16716 | 33,169 |

*#Unit in Bales*
*Source: Agricultural Yearbook 2018, Bangladesh Bureau of Statistics, data is for year 2018*

Apart from the above-mentioned crops, banana, papaya, mango and jackfruit are the major fruits produced in the region. Production of major fruits in Dhaka district is depicted in the graph given in Figure 29

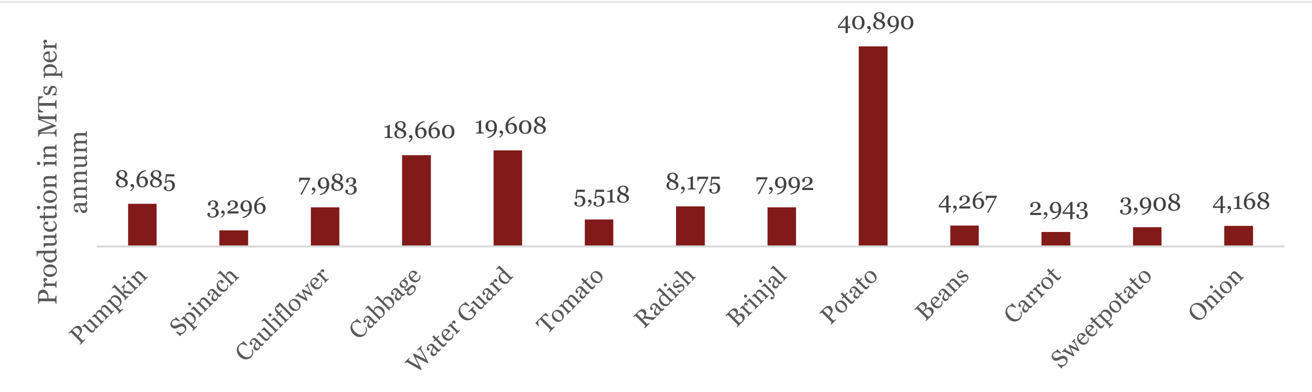
Figure 29: Production of fruits in Dhaka district (2018)




*Source: Agricultural Yearbook 2018, Bangladesh Bureau of Statistics, data is for year 2018*

Similarly, the production of major vegetables in Dhaka district is depicted in Figure 30.

Figure 30: Production of vegetables in Dhaka district (2018)




*Source: Agricultural Yearbook 2018, Bangladesh Bureau of Statistics, data is for year 2018*

The rich production of vegetables, fruits and other agricultural produces in the district already act as source of input to the food industries in the nearby regions. It can be seen that potato is grown in large quantities in this district. Bangladesh is the seventh largest producer of potato in the world. Significant yield of potato in this district acts as a boost for export. Faridpur district is one of major producers of jute, it has witnessed the production of ~926 thousand bales of jute in 2018.

### *5.5.2.2. Aquaculture Resources*

The region is also rich in production of fish. Table 35 given below depicts the production of fish in the influence area.

Table 35: Fish production in the influence area (2018)

| Name of the District | Annual Fish catch in Inland Waterbodies (MTs) for 2018 | Annual Fish catch in Meghna, Padma & Brahmaputra (MTs) for 2018 | Annual Fish catch in other Rivers (MTs) for 2018 | Annual Fish catch in Flood Plains (MTs) for 2018 | Annual Fish production in Ponds (MTs) for 2018 |
|---|---|---|---|---|---|
| Dhaka | 18,643 | 706 | 447 | 4,855 | 8,045 |
| Gazipur | 54,462 | - | 501 | 16,796 | 25,588 |
| Munshiganj | 31,231 | 2,709 | 390 | 12,253 | 11,092 |
| Narayanganj | 18,113 | 1350 | 465 | 1,840 | 10,861 |
| Faridpur | 33,112 | 1488 | 555 | 9,498 | 12,299 |
| Manikgonj | 28,610 | 2,364 | 350 | 10,599 | 9,892 |

*Source: Agricultural Yearbook 2018, Bangladesh Bureau of Statistics, data is for year 2018*

The agro and fish based natural resources in the influence region may act as sources of input for the Food & Beverages industry in the economic zones, as well as industries located outside the region.

### *5.5.2.3. Mineral Resources*

Bangladesh is not a mineral rich nation. In the influence region, only natural gas is available at Kamta (~50 km). The available natural gas can be used for power generation and as a vehicular fuel. Prevalence of natural gas provides impetus for industrial sectors such as non-metallic minerals.

**Development of Food processing and Agro based sectors might be the better choice for the proposed EZ considering the presence of vast natural resources in the region which may act as the source of raw materials.**

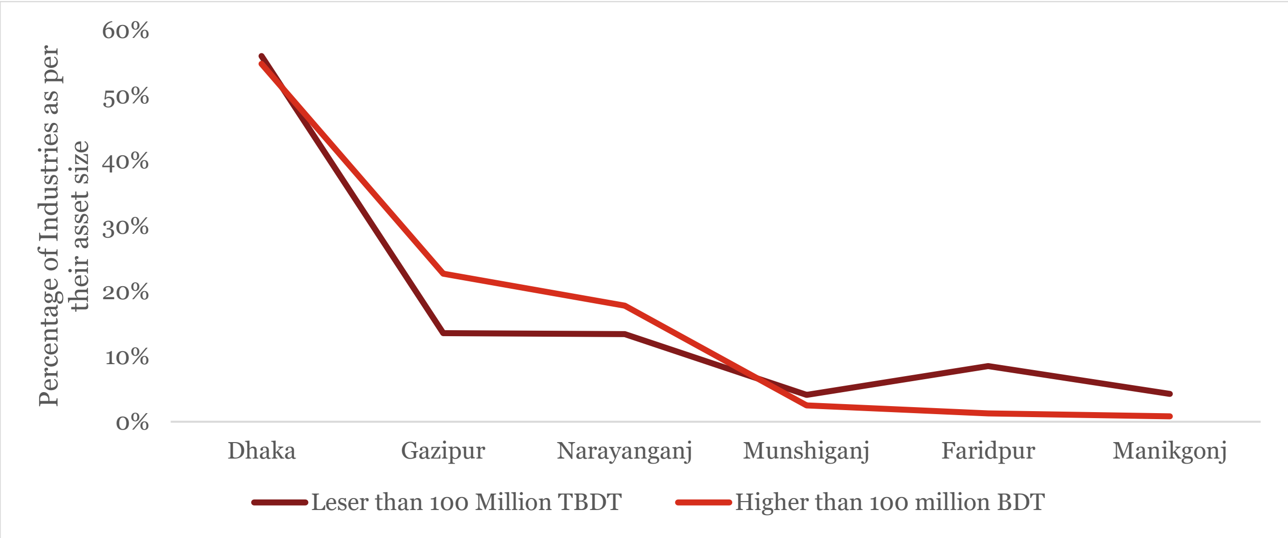
## *5.5.3. Industrial Ecosystem in the Region*

Presence of industrial ecosystem promotes the development of new industries in the region. The existing industrial ecosystem may act as the part of inbound/outbound supply chain of new industries. Presence of industrial ecosystem also ensures the presence of adequate transport and logistics infrastructure, utilities infrastructure, social infrastructure in the region enough for the industry operation.

Dhaka district has been an important trading ground for Bangladesh. At present, the trade and commerce of Dhaka district has become more versatile and various industries have been integrated with agriculture. Dhaka's strong transport and communication system plays an important role in ensuring its business and economic prosperity. Most of the people residing in Dhaka district are employed in manufacturing sector. The main sectors of manufacturing industries include Ceramics, Food & Beverages, Garments, Press and Publication, Jute and Textile mills, Automobiles, FMCG, Pharmaceuticals, Leather and footwear etc. Many skilled workers are employed in the industries located in the Dhaka metropolitan area.

Most of the establishments in the influence region are small scaled. Graph in Figure 31 depicts the distribution of establishments (district wise) in the influence region.

Figure 31: Distribution of industries as per their asset size (2019 estimated)




*Source: Economic Survey, Bangladesh Bureau of Statistics*

It can be observed from Figure 31 that, Dhaka, Gazipur and Narayanganj are among the most industrialized districts in the influence region. Dhaka has more than half the bigger establishments in the region. On the other side, districts such as Munshiganj, Faridpur, and Manikgonj have comparatively less industrialization, depicting the less share in the establishments (both smaller as well as larger) in the influence region.

### *5.5.3.1. Dhaka District*

Dhaka district commercial hub of the country, attracting people from all over Bangladesh, who migrate to Dhaka in search of job and business prospects. Several major industries like textile/ RMG, pharmaceutical, leather, food processing, cement, electrical & electronics, FMCG etc. are located in and around this city.

Few of the observations with respect to the industrial establishments in Dhaka district are as follows:

- Garments factory, Small scale and cottage industries, and wooden furniture are the major industries in terms of number of establishments in Dhaka district with their share in total industrial establishments being ~66%, 18% and 10% respectively.[189]
- Highest employment is in the garments factory and its backward linkage textile & handloom industry, as well as forward linkage tailoring shops.
- Other industries majorly based on agricultural resources as an input material include Flour mills, Sawmills, Sugar mills, Rice mills, Jute mills and Bakery.
- Nawabganj upazila where the proposed economic zone site is located hosts handloom and cottage industries

According to the World Trade Organization (WTO), Bangladesh is the second largest apparel exporter in the world, after China. In addition, Bangladesh held on to its status in the world in 2018, accounting for 6.5% share of the market. Almost all top clothing retailers like H&M, Walmart, Zara, Gap, M&S, Tesco, Hugo Boss, Adidas, etc. have been sourcing garments from Bangladesh every year[190]. Manufacturing clusters of textile & RMG are currently concentrated in Dhaka and Chittagong region. Few of the major textile & garment manufacturers in the Dhaka district are depicted in the figure below.

[189] Bangladesh Bureau of Statistics
[190] https://www.textiletoday.com.bd/bd-remains-2nd-largest-rmg-exporter-accounting-6-5-percent/

Figure 32: Few major textile manufacturers in Dhaka District

**Some of the major textile manufacturers in Dhaka district**

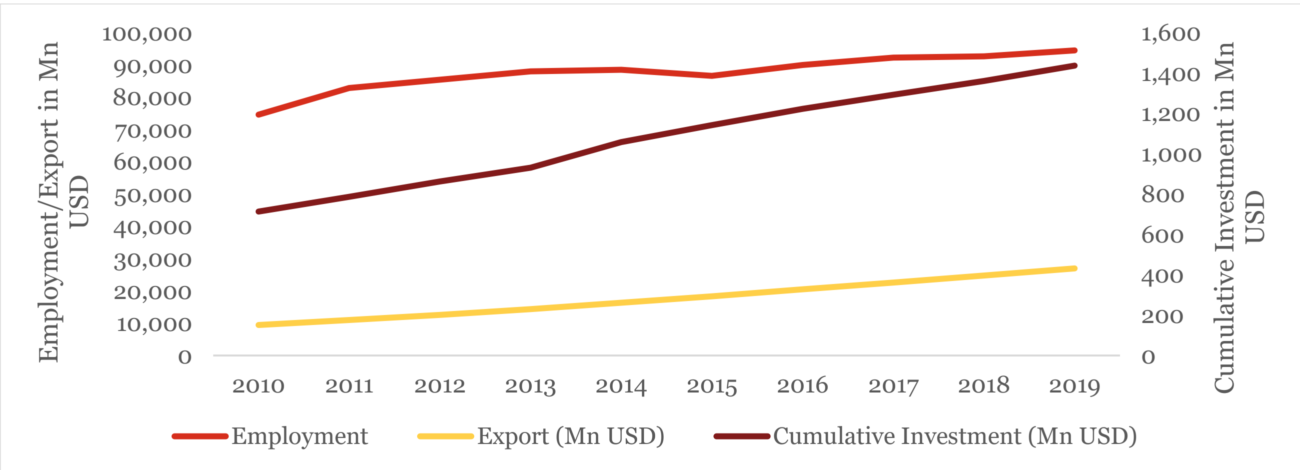
- Ha-meem Group
- Ananta Group
- Plummy Fashions Limited
- Standard Group
- DBL Group
- Fakir Group
- Masco Industries
- BITOPI Group
- Epic Group
- Sterling Alliance
- Mohammadi Group
- Dekko Group
- Givensee Group of Industries Ltd.
- ZEX Fashion Bangladesh
- SAG Fashion International Ltd.
- AVS Fashion
- GG Fashion House Ltd.
- Epyllion Group
- Fashion Plus International Ltd.
- VIYELLATEX

*Source: PwC Research*

Apart from apparel industries, Dhaka district also sponsors the various industries such as leather and footwear, pharmaceuticals, and nonmetallic minerals. Most of the industries have domestic value chain developed in the district, and being well connected to Chittagong port, import of input materials and export of output materials from the factory is also not a major challenge.

Dhaka district also hosts Dhaka Export Processing Zone (EPZ), one of the few initial industrial zones in the country. Established in 1993, Dhaka EPZ offers total 451 industrial plots, and spans across ~356 acres. It hosts industries such as Textile & garments, metal products, electronics & electrical products, service-oriented industries, leather & footwear. The investment received by Dhaka EPZ in the last 10 years (cumulative) is depicted in the figure below along with the employment offered by the EPZ.

*Figure 33: Investment, Export and Employment trend at Dhaka EPZ*



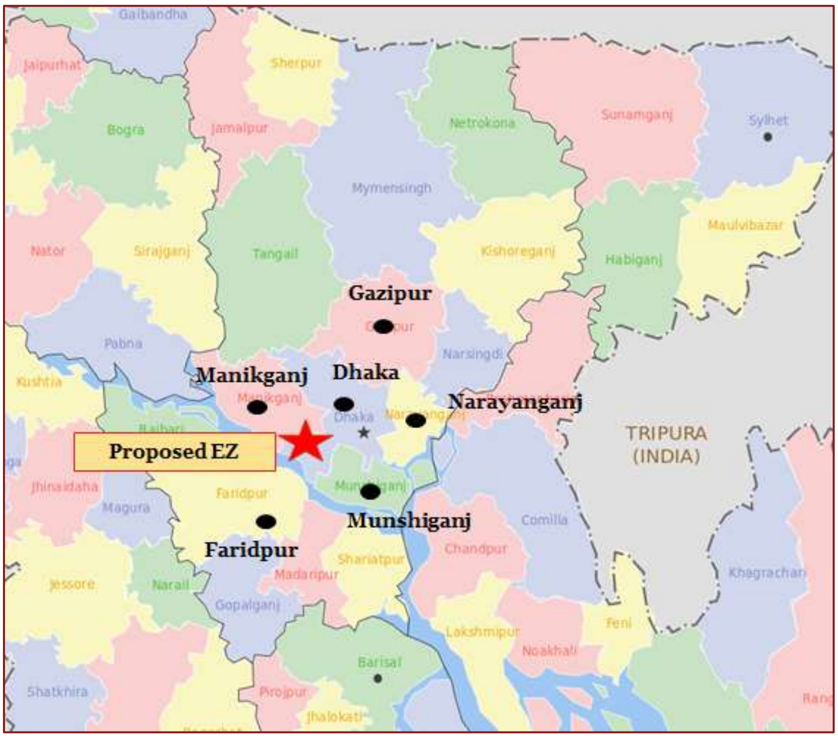

*Source: Bangladesh Export Processing Zone Authority (BEPZA)*

Dhaka EPZ has already achieved 100% occupancy and despite this, the EPZ is witnessing additional investment every year. This increasing trend depicts the demand for the industrial land in the district, which proposed economic zone at Nawabganj can cater to a certain extent.

## 5.5.3.2. Other Districts in Influence Region

Figure 34 depicts the districts in the influence region around the proposed EZ. Dhaka, Gazipur, and Narayanganj are the most important urban/industrial nodes in the country.

Figure 34: Districts in the Influence

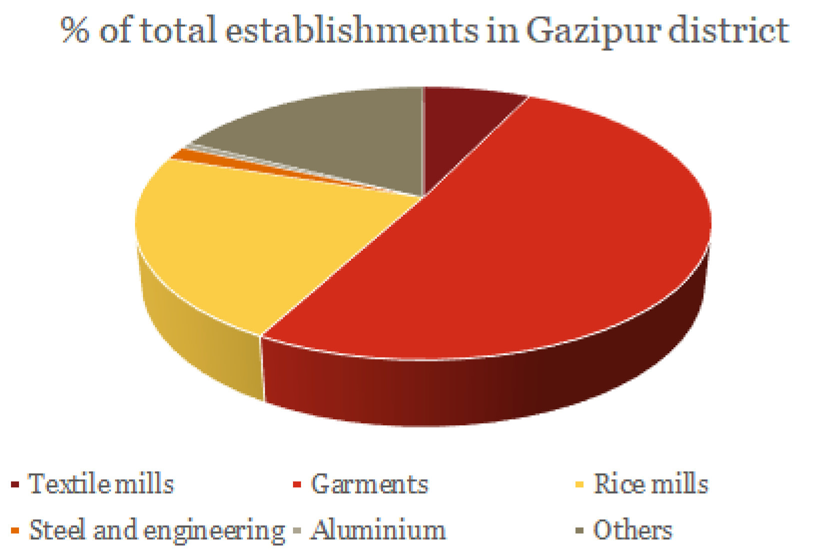



*Source: PwC Analysis*

**Gazipur District**

Gazipur district is located to the north of capital city, Dhaka. It is a major industrial area with various industries such as Garments, Aluminum factory, Textile mills, Pharmaceutical, Cosmetics, Machine tools, Ceramics, Packaging industry etc. having presence in this district. Many important establishments such as Bangladesh Rice Research Institute (BRRI), Bangladesh Agriculture Research institute (BARI), Seed certifying agency, The Security Printing Corporation etc are located in this district.

Figure 35: Distribution of various industries (as per number of establishments) in Gazipur district



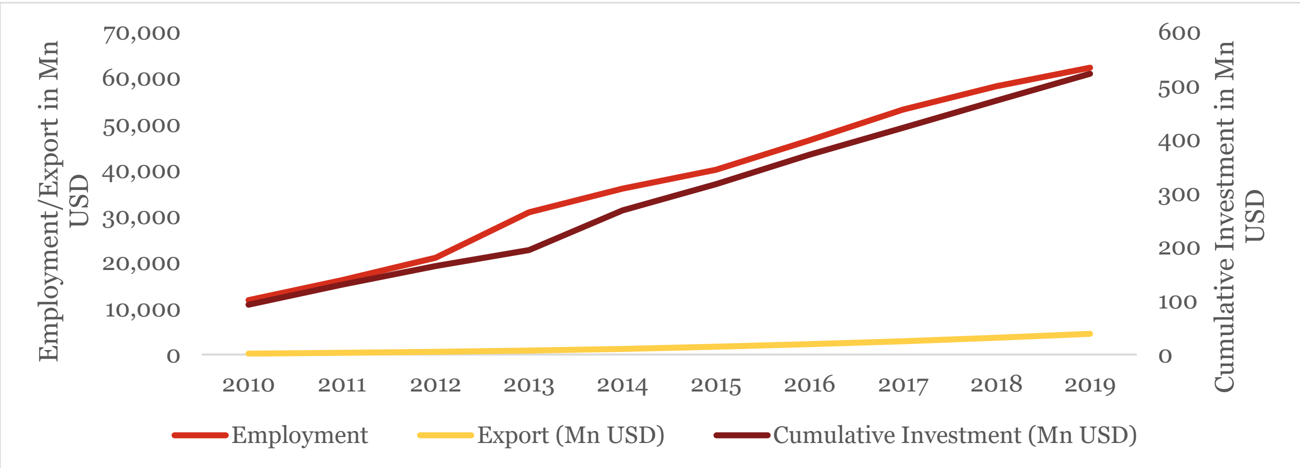

*Source: Bangladesh Bureau of Statistics*

**Narayanganj District**

Narayanganj is a district in central Bangladesh bordering the capital city, Dhaka. The port of Narayanganj is the oldest and the important shipping and industrial center. It is also among the busiest trade markets of the country. Several industries like jute and cotton mills, Machinery and metal products, chemicals, and pulp and pulp products are located in and around the Narayanganj district.

Narayanganj district also houses the Adamjee Export Processing Zone. It was established in 2006 and it offers 229 industrial plots spread over an area of ~245 acres. It houses industries such as Textile & garments, metal products, electronics & electrical products, leather & footwear, light engineering & furniture. The investment received by Adamjee EPZ in the last 10 years (cumulative) is depicted in figure below **Error! Reference source n ot found.** along with the employment offered by the EPZ. The EPZ has already achieved 100% occupancy, and despite this the investment in the EPZ is growing every year.

*Figure 36: Investment, Export and Employment trend at Adamjee EPZ*




*Source: Bangladesh Export Processing Zone Authority (BEPZA)*

## Munshiganj District

Munshiganj is a district in central Bangladesh bordering Dhaka district. Various industries in the district include textile, chemical, garments, cement etc. It also houses several rice mills, flour mills, oil mills and sawmills which can provide a conducive environment for growth of food and agro-based industries in the region. The district also has maximum number of cold storages in Bangladesh, which provide supporting infrastructure for agro and food product industries.

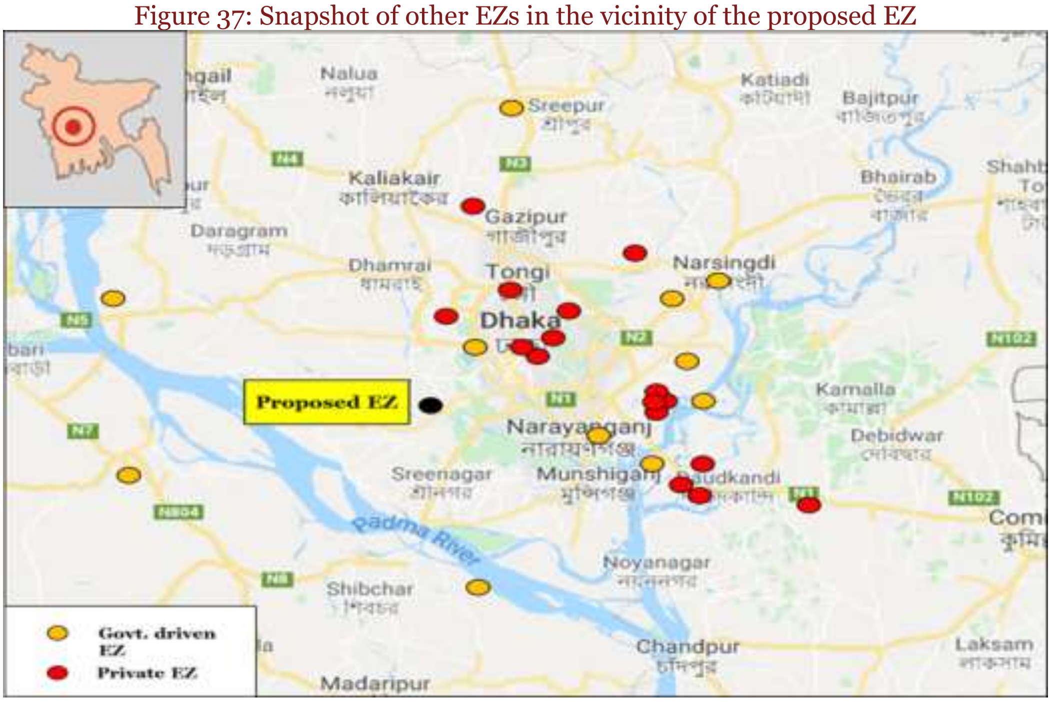
Besides the above-mentioned industries, a private economic zone is also being developed in Munshiganj. This EZ will be spread over 216 acres and is expected to attract both local and foreign manufacturers in sectors like – high value RMG, electronics, food & beverage, plastic, pharmaceuticals and light engineering. Further, the GoB has proposed establishing a 50-acre plastic industrial park, which can accommodate 348 industrial units[191].

**Faridpur** and **Manikgonj** district hosts various industries such as Rice mills, small scale and cottage industries, handloom establishments, furniture and bamboo and cane industry. Proliferation of these industries in the districts can be attributed to the availability of natural resources in the region. Owing to local market demand and availability of unskilled human resources, furniture and handloom related industrial units have developed in this region.

## Economic Zones and Industrial Hubs in the Influence Region

Along with the planned development of the proposed economic zone, there are multiple economic zones (within ~100 km from the proposed EZ) envisaged by BEZA to promote organized industrialization in Bangladesh. The sectors envisaged within these EZs range from agro products, textile & RMG, food processing, light engineering, heavy machinery etc to non-metallic minerals, chemicals, leather products, pharmaceuticals etc. Out of these zones, 12 are government driven and 16 privately developed[192]. Figure 37 depicts the proximity of the proposed EZ to these zones.

Figure 37: Snapshot of other EZs in the vicinity of the proposed EZ




*Source: PwC analysis, BEZA; the locations of the EZs are indicative*

These zones will not only act as competition to the proposed EZ but also present opportunities to the industries coming up in the proposed EZ for forward/backward integration and complimentary manufacturing practices.

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[191] http://www.dhakatribune.com/business/2017/02/16/demand-plastic-goods-industrial-park-keraniganj/

[192] BEZA website

The proposed EZ is in close proximity to the BSCIC industrial estate at Ruhitpur, Keraniganj. It is located at a distance of ~4 km from the proposed EZ and houses industries related to leather and leather products, jute, furniture, plastic, knitting, chemicals etc. which may act as links for backward/forward integration for industries coming up in the proposed economic zone.

In summary, the region offers healthy industrial ecosystem for the development of new industries in the proposed economic zone. Presence of standalone factories and other industrial estates also attempts to make industrial ecosystem more and more favorable for the development of an economic zone at proposed location.

**Considering the industrial ecosystem in the region, few industries such as Textile & RMG, Food & Beverages, Light machinery, furniture, Pharmaceuticals, and Chemicals may be promoted in the proposed economic zone.**

### *5.5.3.3. Strategic Assets for the Proposed Economic Zone*

Following (Table 36) are some of the key infrastructure development projects that are being undertaken by the GoB towards the overall improvement of socio-economic condition of this region.

*Table 36: Key Infrastructure Projects undertaken by GoB in the influence region*

| Strategic Projects | Project Description | Expected Timeline | Responsible Agency/Firm |
|---|---|---|---|
| **Construction of Padma Bridge** | • Padma Bridge which is the most important infrastructure development in the country<br>• It is **~46 km from the proposed zone**<br>• Once operational will help in connecting the site with **southern and south western part of Bangladesh**<br>• It may have an increasing effect on the market potential for the industries envisaged in the EZ. | June 2021[193] | Ministry of Road Transport and Bridges, Bridges Division, Bangladesh Bridge Authority |
| **Construction of 2nd Padma Multipurpose Bridge at Paturia-Goalundo** | • Proposed 2nd Padma Multipurpose Bridge at Paturia-Goalundo which is **~80 km from the proposed EZ.**<br>• The proposed bridge will connect National Highways at the Paturia and Goalundo Sides respectively, which are linked by the ferry services currently. | Construction work of the second Padma Bridge at Paturia-Daulatdia point will begin after completion of the Padma Bridge[194] | Ministry of Road Transport and Bridges |

[193] http://www.padmabridge.gov.bd/cstatus.php

[194] https://www.dhakatribune.com/bangladesh/parliament/2019/09/09/quader-construction-of-2nd-padma-bridge-under-process

| Strategic Projects | Project Description | Expected Timeline | Responsible Agency/Firm |
|---|---|---|---|
| | • **This will improve the connectivity of the region with eastern part of Bangladesh.** | | |
| **Expansion of Hazrat Shahjalal International Airport** | • The objective of the project is to meet future demand of air transportation and to improve airport capacity, convenience and safety, by constructing international passenger terminal 3, cargo terminal and other infrastructure and facilities, thereby contributing to further economic growth in Bangladesh. [195] | The project is scheduled to be completed by 2023 | GoB and Bangladesh Civil Aviation Authority |
| **Road projects entailing the proposed EZ** | • Improvement of Zinzira-Keraniganj-Nawabganj-Dohar-Srinagar Highway (including Kadamtali to Joni Tower Link Road) which is a government-funded project in the region, which will ease out transportation in the region. This project is expected to complete in June 2020.[196] It is the nearest highway to the site which connects it to N8.<br>• Dhaka – Mawa Highway (N8) which is the main highway connecting the proposed EZ with Dhaka is being upgraded to 4-lane which will foster smooth movement of goods and reduce travel time between the proposed EZ and Dhaka.<br>• Upgrading Dhaka-Chittagong highway to four lanes and doubling of railway lines - recently, Dhaka-Chittagong Highway (~16 km from the site aerially) was upgraded to 4 lanes to ensure fast and smooth | Varying timelines | Government of Bangladesh, RHD Bangladesh, LGED Bangladesh |

[195] https://www.thedailystar.net/country/construction-work-hazrat-shahjalal-international-airport-3rd-terminal-begins-december-28-1839412

[196] http://www.rhd.gov.bd/Project%20Monitoring/SingleProjectDetails.asp?SelectedProjectID=4169&SelectedFiscalYear=2019

| Strategic Projects | Project Description | Expected Timeline | Responsible Agency/Firm |
|---|---|---|---|
| | conveyance of goods and passengers between Dhaka and Chittagong. It is also planned to make the railway line double tracked between Dhaka and Chittagong.<br>• Dhaka Mass Rapid Transit Line 1 which is slated to connect Hazrat Shahjalal International Airport to Kamalapur, is also planned to be extended Keraniganj's Jhilmil Residential area which is ~20 km from the proposed. This, once operational can facilitate movement of executives and expats between Dhaka and the proposed EZ.<br>• **Once executed, these projects could enhance the hinterland connectivity of the proposed EZ and also open avenues to serve potential local markets** | | |
| **Meghnaghat Power Plant** | • Meghnaghat 750 MW Power project is an upcoming project in the Dhaka district, which is expected to supply electricity to the national grid ensuring uninterrupted power supply in the country.<br>• It will be **located ~56 km from the proposed EZ**<br>• Reliance Power, India along with Japan's energy major JERA will set up a 750 MW gas-based combined cycle power project (phase-1) at Meghnaghat.<br>• **Once this Meghnaghat Power Project is operational, owing to geographical proximity, it** | The first phase of the project will be set up 2022.[197] | Bangladesh Power Development Board |

[197] https://economictimes.indiatimes.com/industry/energy/power/reliance-power-inks-pact-with-japans-jera-to-set-up-750-mw-power-project-in-bangladesh/articleshow/70956086.cms?from=mdr

| Strategic Projects | Project Description | Expected Timeline | Responsible Agency/Firm |
|---|---|---|---|
| | **shall ensure steady power supply towards smooth industrial production to the proposed EZ.** | | |

## *5.5.4. Summary of Regional Assessment*

The above discussions may be summarized as:

**Demographics of the Influence Region**

- Almost 77% of the population in the Dhaka district resides in the urban areas, while the population residing in the urban areas range within ~9% to ~33% among other districts in the influence region
- More than 55% of the population is literate in all the districts in the influence region, while literacy rate in districts such as Dhaka, Narayanganj, Gazipur and Munshiganj is estimated to be higher than 60% as well.
- Large number of people are employed in the manufacturing sector and wholesale and retail sector in the Dhaka district region followed by accommodation and food service activities.
- Workforce can be sourced from the influence region for the proposed economic zone, as the region contains TVET institutions for providing the skilled workforce. The supply for unskilled workforce is not a challenge, as migration in country for work is quite prevalent.

**Access to Natural Resources**

- Dhaka district, and other districts in influence region are rich in agricultural production, and few of the major crops in the region are Paddy, Wheat, Jute, Potato, Sugarcane, Pulses and Mustard. Major fruits produced in the region are – banana, papaya, mango and jackfruit. Few major vegetables produced in the region are – potato, water guard, cabbage, radish, pumpkin, cauliflower and brinjal.
- As influence region has access to Padma, Meghna and Brahmaputra river basins, fishing is one of the major livelihoods of the people in the region. The fish production along with agricultural produce may act as input the food processing and agro based industries in the region.
- Only natural gas is available at Kamta (~50 km) within the influence region. Prevalence of natural gas provides impetus for industrial sectors such as non-metallic minerals.

**Industrial Ecosystem**

- Most of the establishments in the influence region are either small or medium scale with assets size worth lesser than ~100 million BDT. More than half the establishments (among establishments in influence region) with asset size larger than 100 million BDT are based out of Dhaka district.
- Dhaka is the industrial powerhouse of Bangladesh. Various industries (such as Textile & RMG, Food & Beverages, Ceramics, Jute and Textile mills, Automobiles, FMCG, Pharmaceuticals, Leather and footwear) have experienced growth in this area, which might act as downstream linkage for the proposed EZ.
- Proposed economic zones by BEZA along with existing BSCIC park in the region will provide impetus for organized industrialization.

- Completion of multiple infrastructure projects planned in the region is expected to increase the strategic importance and promote the pro-industry environment in the region.

## *5.6. Initial Shortlist of Industries*

Information from the previous sections provide insights about the pre-requisites of the bucket list of industries, profiling of the region surrounding the proposed EZ in light of economic indicators, natural resources, industrial development, and sourcing of semi-skilled and skilled manpower. This information can be distilled to create a matrix for compatibility mapping.

A compatibility mapping will create an understanding about which industries from among the bucket list of sectors are suitable for the proposed EZ at Nawabganj. On basis of this compatibility assessment, a shortlist of industries can be drawn which are most suitable to be developed in the proposed EZ location. This shortlist will contain those specific sectors which are in conformance with the utility, connectivity and other support infrastructure available at the proposed EZ location. This shortlist will further assist in streamlining the primary assessment for which interaction with industry players in the sectors will be required to understand the on-ground perception about the proposed EZ location and whether the shortlisted industries are suitable to be developed in the proposed EZ.

A matrix has been created in the next page, to map requirements of each sector with the supporting Backward & Forward linkages, Factors of Production and other prerequisites available at proposed EZ location.

Table 37: Compatibility Mapping

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| **Features prevailing at proposed EZ** | | | Easily Accessible | Multiple modes of transport required | Moderately Easy to access | Sufficient power available | Water source available in vicinity | Not Available | Semi-skilled/ Unskilled available; Skilled unavailable | Not Available |
| **Assessment of pre-requisites of industrial sectors** | | | | | | | | | | |
| **Textiles & RMG** | Moderately High | Low | Moderately High | Moderately Low | Moderately High | High | Moderate | Low | High | Low |
| Rationale for selection | ☐ This is an export-oriented industry, with already a high global market share. Bangladesh is also importing considering amount of fabric from India and China. Presence near Bibirbazar land port (~120 km) will enable smooth movement of raw material from India since cotton or fabric is not available in abundance in Bangladesh. | | | | | | | | | |
| | ☐ The availability of an already available trainable workforce is an added advantage. Sector pre-requisites are met by the proposed EZ for all parameters | | | | | | | | | |
| | ☐ This sector requires good access to power and skilled labour both of which is available in the vicinity of the EZ. | | | | | | | | | |
| | ☐ Water connectivity is available as the proposed EZ is ~15 km from Padma river. However, land connectivity with the West and South west Bangladesh can be improved after construction of Padma bridge. | | | | | | | | | |
| | ☐ This sector can be considered suitable for proposed EZ. Once the second Padma Bridge is constructed the connectivity with the domestic and international markets will increase significantly. | | | | | | | | | |
| **Food & Beverages** | High | High | Moderately High | Moderate | Moderately High | Moderate | Moderate | Moderate | Moderate | Moderately Low |
| Rationale for selection | ☐ Proposed EZ holds a lot of growth potential for this industry as it has easy access to raw material from local industries like rice mills, flour mills and resources like mustard, paddy, jute, sugarcane, wheat, potato, garlic, cauliflower, cucumber, rapeseed | | | | | | | | | |
| | ☐ Aquaculture being practiced in proximity to proposed EZ can provide raw material. | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| | • The dairy industry can be setup here is the nearby regions are a milk surplus producing area | | | | | | | | | |
| | • Mango is produced in the nearby regions. These resources can be processed to produce various food & beverages | | | | | | | | | |
| | ☐ Proposed EZ is located close to Bibirbazar land port from where exports of food items to India can be facilitated | | | | | | | | | |
| | ☐ This industry primarily caters to domestic demand as well as it exports to neighboring countries and countries having significant Bangladeshi immigrants like middle east Asia | | | | | | | | | |
| | ☐ Water, the basic ingredient for beverage industry can be made available at proposed EZ by developing suitable infrastructure to source surface water from the river Padma | | | | | | | | | |
| | ☐ Sector pre-requisites are met by the proposed EZ for all parameters except land connectivity which is stated to improve if the second Padma bridge is constructed. | | | | | | | | | |
| | ☐ FMCG products can find good demand in local markets of Dhaka etc. | | | | | | | | | |
| | ☐ Locational advantage of proposed EZ in terms of connectivity shall foster the possibility of supplying across the country, which is a pre-requisite for fast moving consumer goods (for F&B), especially after construction of second Padma River Bridge | | | | | | | | | |
| Agro Based Products | High | High | Moderately High | Moderately Low | Moderate | Moderate | Moderate | Moderately Low | Moderately High | Moderate |
| Rationale for rejection | ☐ Nawabganj area is a good quality jute producing region in Bangladesh, proposed EZ can support jute processing industries. Besides bamboo is also produced in the district | | | | | | | | | |
| | ☐ Even though market for agro products (Dhaka) is in the close proximity of the proposed EZ, it is not large enough to justify the cost of establishing factory in the EZ | | | | | | | | | |
| | ☐ Development of agri industry won't be infeasible at this location, but considering the competition, and lack of input materials in the close proximity, agri industry ranks at lower rank compared to the rest of the industries for the proposed EZ | | | | | | | | | |
| **Leather and Leather Products** | Moderately Low | Moderate | Moderately High | Low | Moderately High | Moderately Low | Moderately High | Moderately Low | Moderately High | Low |
| Rationale for selection | ☐ Majority of the tanneries in Bangladesh are located in Savar area near Dhaka, which could mean ease of supply of raw material to the proposed EZ | | | | | | | | | |
| | | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| | ☐ To produce high quality finished goods, this sector requires skilled employees which is available in nearby regions | | | | | | | | | |
| | ☐ Presently Leather industry is established near Dhaka and Chittagong region; this would mean ease in sourcing of skilled labor | | | | | | | | | |
| | • Land connectivity would need to be improved by the operationalization Padma bridge to improve access to South West Bangladesh | | | | | | | | | |
| | ☐ In order to establish industries that can manufacture finished leather products in the proposed EZ, pre-requisites will be developing social infrastructure in the region to incentivize skilled workers | | | | | | | | | |
| **Plastic and Rubber** | Low | Moderately High | Moderate | Low | Moderately Low | Moderate | Moderate | Moderately High | Moderately High | Low |
| Rationale for selection | ☐ Plastic and Rubber products are mostly consumed in local markets, industries located in vicinity of Dhaka will be better positioned to cater to domestic demand | | | | | | | | | |
| | ☐ This sector is highly dependent on import of raw material plastic beads, resin etc. for their production | | | | | | | | | |
| | ☐ Gas is the primary fuel used in this industry; and Gas, power and water connectivity is available | | | | | | | | | |
| | ☐ These features present at the proposed EZ. Hence this industry is recommended | | | | | | | | | |
| Paper and Packaging | Low | High | Moderate | Low | Moderately Low | High | High | Moderate | Low | Low |
| Rationale for rejection | ☐ This sector is dependent on import of raw material like pulp, fiber and chemicals and on the end, use markets in the vicinity. | | | | | | | | | |
| | ☐ This sector will be more suitable if it located near Chittagong port or Dhaka-Chittagong highway, from where it can have easy access to imported raw material | | | | | | | | | |
| | ☐ It also has a moderate requirement of gas, which is used as fuel during preparation of paper products | | | | | | | | | |
| | ☐ This sector mainly caters to domestic demand, industries engaged in this sector would perform well if they are located in between Dhaka-Chittagong region, where there is high demand for paper and packaging products as well as having availability of gas pipeline | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| | ☐ On development of the second Padma bridge and laying down of gas pipeline till the proposed EZ, this industry can be developed in proposed EZ in the long run | | | | | | | | | |
| **Chemicals** | Moderate | High | Moderate | Moderate | Moderately High | High | High | Moderate | Low | Moderately High |
| Rationale for selection | ☐ There are different types of chemicals having varied utility requirements like fertilizers, adhesives, washing powder, paints, varnishes etc. | | | | | | | | | |
| | ☐ Adhesives, paints and varnishes cater to domestic market, these industries would perform well if they are located in proximity to Dhaka | | | | | | | | | |
| | ☐ Fertilizers have a high demand in proximity to proposed EZ region, due to widespread agriculture-based economy | | | | | | | | | |
| | ☐ Establishing of fertilizer industry at proposed EZ in Nawabganj requires to access of river which is available ~15 km from the proposed EZ. | | | | | | | | | |
| | ☐ Hence this industry is recommended | | | | | | | | | |
| **Non-Metallic Minerals** | Low | Moderately High | Moderate | Low | High | High | Low | High | High | High |
| Rationale for selection | ☐ Non-metallic minerals involve manufacturing of cement, ceramics, glass etc. Sand is available from the Padma river | | | | | | | | | |
| | ☐ For manufacturing of cement, the basic prerequisite is to have a waterfront access, since all clinker in Bangladesh is currently imported. water frontage is available ~15 km from the proposed EZ. | | | | | | | | | |
| | ☐ Manufacturing of ceramics and glass require application of high temperatures for which gas is an indispensable source of fuel. Gas, power and water connectivity is available | | | | | | | | | |
| | ☐ These features present at the proposed EZ. Hence this industry is recommended | | | | | | | | | |
| Automobile and Accessories | Low | Moderately High | Moderate | Moderately Low | Moderately Low | Moderate | Low | Moderately Low | Moderately High | Low |
| Rationale for rejection | ☐ Automobile manufacturing in Bangladesh is highly import dependent | | | | | | | | | |
| | ☐ CKD units are brought through Bibirbazar or Chittagong port and assembled in the country | | | | | | | | | |
| | ☐ Manufacturing in this sector is automated and there is high dependency on skilled manpower like engineers | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| | ☐ Presently the proposed EZ location does not have social infrastructure like residential, educational, recreational, medical facilities etc. for skilled employees and their families | | | | | | | | | |
| | ☐ Automobile manufacturing industries operate in clusters with other ancillary units | | | | | | | | | |
| | ☐ Small land parcel of proposed EZ might hinder development of automobile cluster | | | | | | | | | |
| | ☐ Proposed EZ is ideally located to support development of automobile industries for which CKD units are being brought from India, however creating an automobile industry would require larger land parcel (400-500 acres) and development of social infrastructure in vicinity of proposed EZ | | | | | | | | | |
| **Heavy Machinery, Iron, Steel and Metal** | Low | Moderately High | Moderate | Low | High | High | Moderate | High | High | High |
| Rationale for rejection | ☐ Bangladesh is highly import dependent for this sector, with majority of import coming through Chittagong Port. Scrap is the major raw material imported or obtained from ship breaking. Scrap can be brought to the nearby ghats. Scrap is also generated nearby in the region of Dohar from ship-breaking | | | | | | | | | |
| | ☐ This sector requires large quantities of power and fuel; both are somewhat available in the near vicinity. | | | | | | | | | |
| | ☐ Access to waterfront is necessary for setting up of this sector. It is available within 15 km from the proposed EZ. | | | | | | | | | |
| | ☐ Proposed EZ is presently unsuitable for setting of industries in this sector | | | | | | | | | |
| **Electrical and Electronics** | Low | Moderately High | Moderately High | Moderately Low | Moderately Low | Low | Low | Low | Moderate | Low |
| Rationale for selection | ☐ Bangladesh currently performs assembly of all electronic items | | | | | | | | | |
| | ☐ These items are imported from different countries in individual units and assembled in workshops | | | | | | | | | |
| | ☐ Proposed EZ offers all utilities required for manufacturing of electronics and electrical items | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Access to Raw Material** | **Access to Markets** | **Land Connectivity** | **Air Connectivity** | **Water Connectivity** | **Availability of Power** | **Availability of Water** | **Availability of Gas** | **Availability of manpower** | **Access to Waterfront** |
| | ☐ Skilled labor can be available locally for this industry due to presence of local service centers catering to electrical and electronic items | | | | | | | | | |
| | ☐ Consumption of electrical and electronic items is rapidly rising in rural Bangladesh leading to high demand | | | | | | | | | |
| | · Operationalization of second Padma Bridge is expected to boost the economy of south west Bangladesh (region in which proposed EZ is located) by 2.5% [1] resulting in higher disposable income | | | | | | | | | |
| | ☐ Proposed EZ is ideally suitable for setting up industries pertaining to this sector | | | | | | | | | |
| Ship Building and Ship Breaking | Low | Moderate | Moderately Low | Low | High | High | Low | Moderately High | High | High |
| Rationale for rejection | ☐ Access to immediate waterfront is mandatory for setting up of this sector | | | | | | | | | |
| | ☐ Proposed EZ does not have access to waterfront or skilled manpower in the ship breaking/ ship building sector. Moreover, shipbreaking in the nearby Dohar region might also get stopped due to environmental concerns. | | | | | | | | | |
| | ☐ Proposed EZ presently not suitable for setting of industries in this sector | | | | | | | | | |
| Petroleum Products (including Bottling) | Low | Moderately High | Moderate | Low | High | High | Low | Moderate | Moderate | High |
| Rationale for rejection | ☐ Bangladesh is currently dependent on import of petroleum products via large sea faring tankers | | | | | | | | | |
| | ☐ Access to waterfront is mandatory for setting up of this sector. It is available within 15 km from the proposed EZ. | | | | | | | | | |
| | ☐ Proposed EZ has good water and power availability. The domestic markets of Dhaka and North West Bangladesh can also be catered to with ease. | | | | | | | | | |
| | ☐ Proposed EZ is presently unsuitable for setting of industries in this sector | | | | | | | | | |
| **Pharmaceuticals** | Moderately Low | High | Moderate | Moderately High | Moderately High | High | High | Moderately High | High | Moderate |
| | ☐ This sector is dependent of availability of skilled employees | | | | | | | | | |

| Sector | Access to Backward and Forward Linkage | | Access to Factors of Production | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Access to Raw Material | Access to Markets | Land Connectivity | Air Connectivity | Water Connectivity | Availability of Power | Availability of Water | Availability of Gas | Availability of manpower | Access to Waterfront |
| Rationale for selection | ☐ Dearth of social infrastructure in proximity to proposed EZ area might hinder availability of skilled manpower for this industry | | | | | | | | | |
| | ☐ Development of API park in Munshiganj will create a hub for raw material needed in pharmaceutical industry | | | | | | | | | |
| | ☐ Pharmaceutical industries coming up near Munshiganj will have advantage in terms of access to raw material, as well as central location in Bangladesh will enable better supply to different parts of the country | | | | | | | | | |
| | ☐ It is also proposed to set up pharmaceutical sector in this EZ | | | | | | | | | |
| **Light Machinery, Equipment and Furniture** | Moderately High | High | Moderately High | Moderately Low | Low | Moderately Low | Moderate | Moderate | Moderate | Low |
| Rationale for selection | ☐ Demand for light machinery, equipment and furniture products are rising in Bangladesh | | | | | | | | | |
| | ☐ Bangladesh is gradually shifting away from importing light engineering goods to manufacturing them inside the country | | | | | | | | | |
| | ☐ Raw material like steel, aluminum plates can be imported via Bibirbazar Land Port from India | | | | | | | | | |
| | ☐ Light Engineering industry also includes spare machinery parts or ancillary parts for automobiles | | | | | | | | | |
| | ☐ Proposed EZ is located close to industrial region of Dhaka, Tangail, Savar making it ideal for establishing light engineering industries | | | | | | | | | |
| | ☐ All utilities required for setting up of this sector can be made available at proposed EZ | | | | | | | | | |
| | ☐ Proposed EZ is conducive for setting up light machinery, equipment and furniture products | | | | | | | | | |

*Source: PwC Analysis*

Based on the analysis done, an initial shortlist of nine sectors were created from the bucket list of 15 sectors. These shortlisted sectors were found to be most suitable for the proposed EZ due to the compatibility of their forward and backward linkages, access to factors of production and growth prospects in Bangladesh. The shortlisted sectors are –

1) Textile & RMG, 2) Food & Beverages, 3) Leather and Leather Products, 4) Chemicals, 5) Non-Metallic Minerals, 6) Electrical and Electronics, 7) Pharmaceuticals, and 8) Light Machinery, Equipment and Furniture 9) Plastic and Rubber

***Stepwise approach brings out the initial shortlist of nine industrial sectors. Next section captures voice on ground to arrive at the final shortlist of industrial sectors suitable for the proposed EZ***

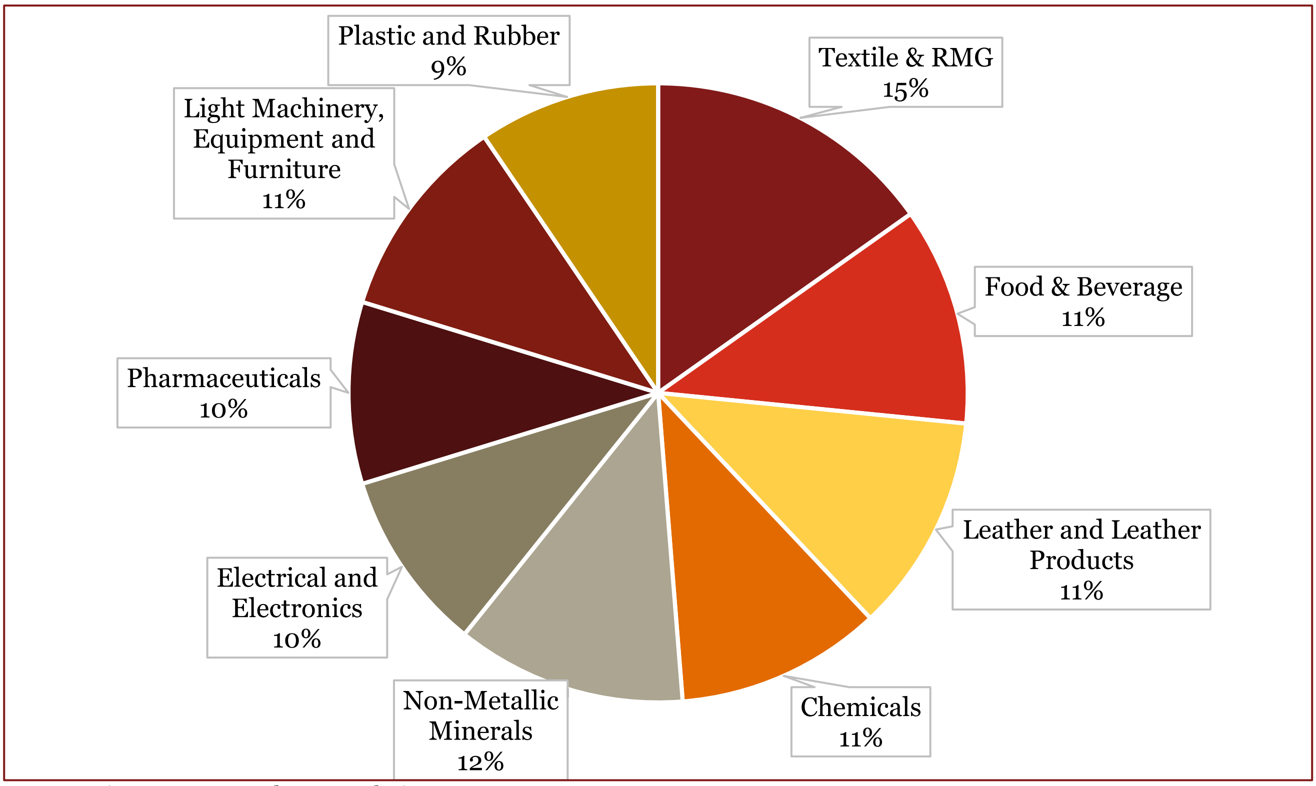
## 5.7. Analysis of Survey Results

Former sections delve into assessment of initial shortlist of industries based on top-down approach based on secondary research and insights obtained through interactions with various govt. departments and data collected from various sources during the site visit. This section delves into primary stakeholder consultations among industrial players within the country and from overseas. A total of 158 respondents from were interviewed (out of which 128 are Bangladeshi and rest are foreign) to validate the hypothesis formed during the top-down approach. A questionnaire (which was formed by leveraging our experience in line with the ToR) was used as an instrument to undertake this primary survey.

### 5.7.1. Profile of the Respondents

Respondents of this survey were selected from the nine sectors shortlisted for the proposed EZ as per the analysis undertaken in the former sections. As per the ToR, at least 10 local respondents and 3-4 foreign respondents were surveyed. While the local respondents were interviewed physically, the foreign respondents were interviewed through telecom and video conference. Local respondents are based out of various locations of the country (such as Dhaka, Gazipur, Narayanganj, Nawabganj).

Figure 38: Profile of the Respondents




*Source: Primary Survey and PwC Analysis*

The participants in the stakeholder consultations belonged to diverse set of industries, as indicated in the figure above. The final shortlist of industries was prepared after taking into consideration the responses received through these stakeholder consultations.

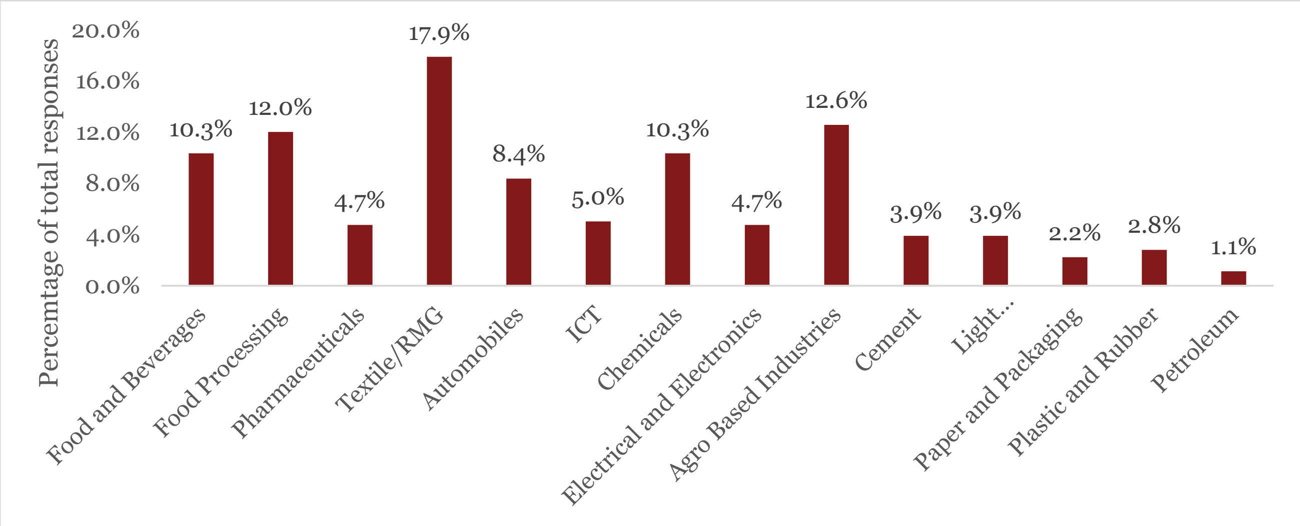
It is to be noted that the output of the primary survey is dependent on the sample size. If the sample size is changed, the output may change accordingly. The results obtained in this analysis may also vary during on-ground implementation of the project.

In the following various inputs would be analyzed as depicted in the primary survey.

## 5.7.2. Industry Trends in the Region

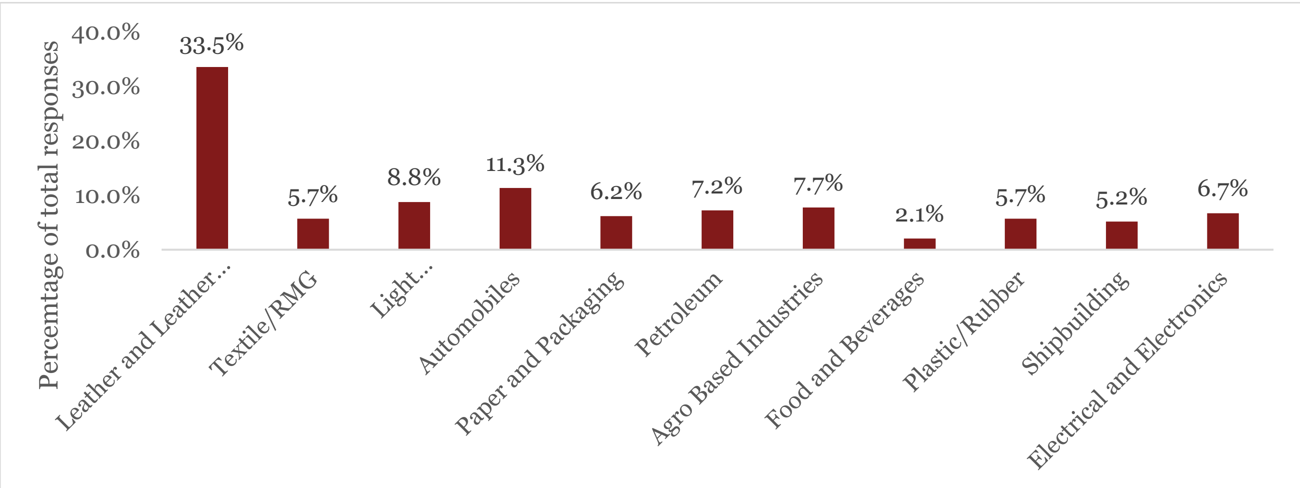
In order to understand the growth prospects of the industrial sectors in the region, the respondents were asked to specify the industries which have witnessed growth in the region and the industries which have relatively declined in the region.

*Figure 39: Responses depicting growth*




*Source: Primary Survey*

*Figure 40: Responses depicting decline*




*Source: Primary Survey*

Manufacturers from sectors like **Leather and Leather products, Automobiles and Light Engineering/ Light Machinery have majorly expressed negative opinion** about growth prospects of their sector in the region of proposed EZ.

However, manufacturers from **Textile** & **RMG, Food processing, Food & Beverages, Agro based and Chemicals have majorly evinced positive interest** about the growth prospects of their sectors in the region of the proposed EZ.

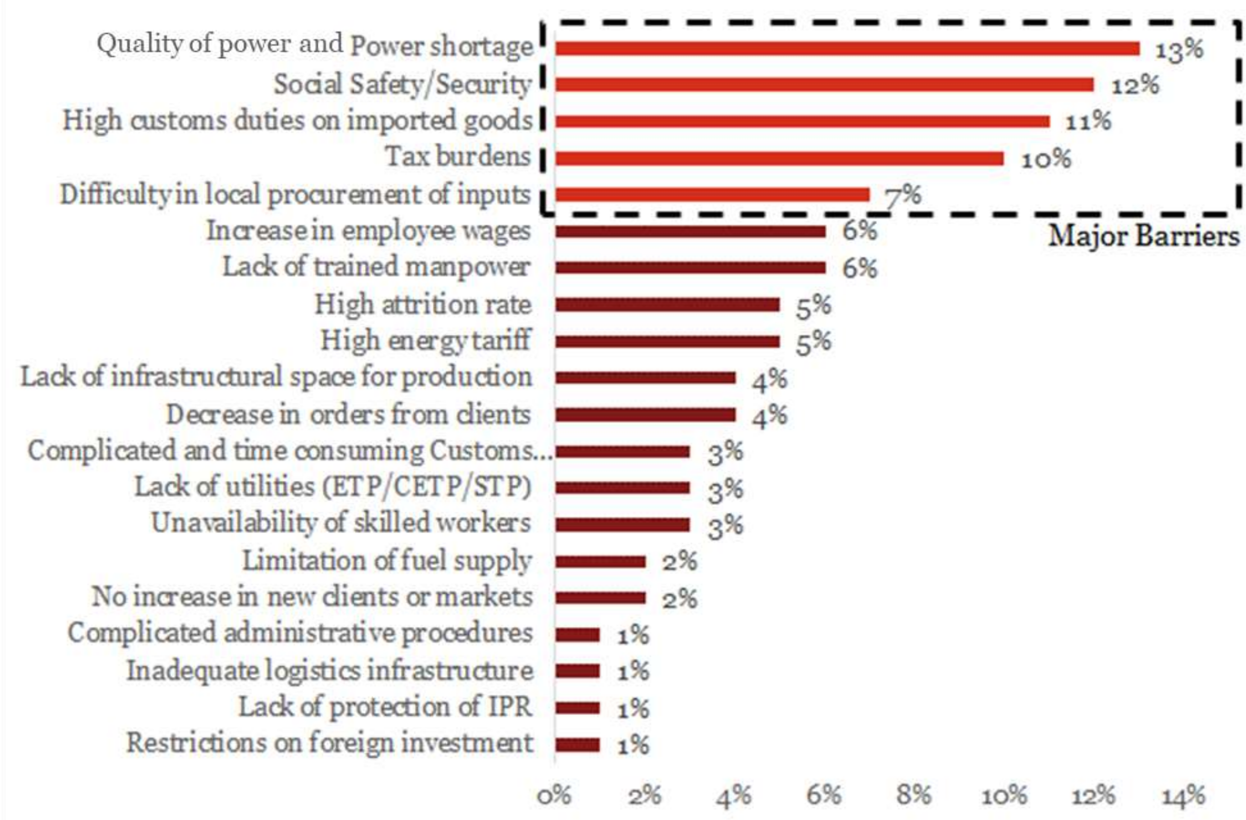
### 5.7.3. Barriers to Investment

During the stakeholder consultation exercise, the respondents were asked about the current challenges faced by them in running business in Bangladesh and barriers to investment, specific to the proposed EZ area. The responses received can be split into 3 parts – Bangladesh specific, sector specific and site specific.

#### 5.7.3.1. Bangladesh Specific Barriers

Most of the respondents surveyed were optimistic about the Bangladesh's economy and expressed their satisfaction about the country's growth. However, country specific hindrances to growth and investment mentioned by the respondents had resonance across the sectors. Subsequent figure captures the barriers to investment as mentioned by the respondents.

*Figure 41: Barriers to Investment in Bangladesh*




*Note: The participants in the stakeholder consultations belonged to diverse set of industries, which are shortlisted specific to the proposed EZ.*
*Source: Primary Survey*

Common problems faced by the manufacturers in running a business in the country (across industrial sectors) are listed in the following across two categories (major and minor). Table 38 below depicts few of the above-mentioned common problems faced by manufacturers in running a business in a country.

*Table 38: Few major common problems faced by businesses in the country*

| Problem Name | Details |
|---|---|
| High customs duties on imported capital goods and intermediary goods | Manufacturing sector in Bangladesh is dependent on import of raw materials for their production to take place. All the investors surveyed expressed discontent regarding the high customs duties on imported capital goods and intermediary goods. Import duty on goods are levied on basis of their HS codes. Respondents |

| Problem Name | Details |
|---|---|
| | claimed that custom officials suddenly charge higher import duty on items of regular import, by changing the applicable HS code under which the item is covered. This results in extra hassle for the importers as they need to visit customs law office to get the goods cleared and get clarity on applicable HS code. Sudden changes in the rate of applicable import duty creates uncertainty among the manufacturers as it causes delay in access to raw material and also makes it difficult to accurately predict costing of the manufactured goods. |
| Quality of power and power shortage | Investors surveyed in located in remote location expressed discontent with power availability and quality of power such as Voltage fluctuation. Many complained about the 3-4-hour power outages suffered on a daily basis, which had affected the capacity utilization of existing machineries. Among the respondents surveyed in remote location, 50% had to decide for their own source of power, which was either diesel or gas operated. |
| Social Safety/ security | Respondents in their feedback, have expressed concern about the Social safety/ security issues prevailing in Bangladesh. |
| Difficulty in local procurement of parts and raw materials | During interactions, investors also complained about the difficulty in procuring the raw materials from the local markets, particularly those who were interested in Food Processing and Light Engineering sectors. |
| Tax burdens | During the stakeholder consultation exercise, most of the respondents expressed disappointment on the corporate taxes and transfer pricing taxes levied on them. This is a major hindrance to investment in Bangladesh. |

Apart from the abovementioned barriers, few other barriers which investors or industrialists face are – increase in employee wage rates, lack of trained manpower, high attrition rates, high energy tariffs and lack of infrastructural space for production.

### *5.7.3.2. Sector Specific Barriers*

The respondents were also asked questions about their sectors in which they are operating to understand the challenges they are facing in their sector, which is hindering their current business operations and affecting the growth/expansion plans. The problems specific to each sector are listed below –

Table 39: Industry specific barriers as expressed by the respondents

| Industrial Sectors | Site specific barriers |
|---|---|
| Textile & RMG | The small and medium scale manufacturers were concerned about rising competition affecting the profit margins in the sector. Previously large-scale manufacturers used to outsource, embroidery work, sewing of sequins and placing of decorative beads and stones on clothes to small scale manufacturers. However, due to cost and quality control awareness among the large manufacturers, they have created of in-house facility for the same. The respondents also mentioned about high import duties on fabrics like sequins, better quality thread, beads etc. |
| Food & Beverages | Major challenge that industry players faced in this sector was from the unorganized and small-scale industries, which had localized operations and had a cost advantage over the organized sector through evasion of taxes. |
| Leather and Leather products | Tannery operators expressed their displeasure at having been to shift their existing manufacturing units from Hazaribagh to Savar. Leather manufacturers also mentioned their issues regarding basic facilities such as ETP, gas connection etc. |

| Industrial Sectors | Site specific barriers |
|---|---|
| | in Savar. Manufacturers involved in finished products have expressed their inability to provide high quality leather goods due lack of technical skills and technical know-how among the laborers. |
| Chemicals | This sector is mostly dependent on import of raw material. Respondents faced issues due to uncertainty with HS codes of the items of import and unpredictable rate of taxes being levied. Fertilizer manufacturers mentioned that lack of power and gas is hindering their production efficiency. |
| Non-metallic minerals | Manufacturers in this sector raised their concerns about lack of natural resources in Bangladesh for manufacturing of both cement and ceramics. While cement manufacturers are dependent on import of clinkers, ceramics manufacturers depend on import of good quality clay. Moreover, cement manufacturers were concerned with over capacity of cement production in Bangladesh, resulting in shrinking profit margins and price wars. |
| Electrical and Electronics | The big players were looking to expand aggressively and establish new manufacturing units. However, the SMEs were witnessing falling sales and shrinking margins due to their inability to compete with large scale manufacturers, who have cornered a lion's share of market sales due to economies of scale. |
| Pharmaceuticals | Respondents are concerned about the import duties on raw materials required to produce APIs in Bangladesh. Currently, pharmaceutical sector in Bangladesh produces branded generic final formulations using imported APIs. However, reducing the duty on import of raw materials for APIs would allow manufacturers to produce APIs in the country, thereby adding more value to their pharmaceutical products. Another challenge mentioned by the manufacturers was GoB's prohibition of advertising their products which has resulted to adopt unethical practices of influencing doctors to prescribe specific medicines by few manufacturers. |
| Light Machinery, Equipment and Furniture | Respondents are concerned about rising competition in the sector which has been affecting their profitability and high dependence on import of steel and iron products prevented them from manufacturing goods at competitive rates. |
| Plastic and Rubber | Respondents in this sector did not highlight any major challenges which were specific to their sectors. |

*Source: Primary Survey*

### *5.7.3.3. Proposed EZ- Site Specific Barriers*

As per the survey responses, major challenges in the proposed region include the following –

- Most of the SME manufacturers choose to set up their businesses close to their area of residence. The need to shift to a new location for establishing a new manufacturing unit also hinders investment decision for the proposed EZ.
- The proposed EZ is 256 km from Chittagong port which is a one of the major reasons for hindering investment due to its poor connectivity to port.
- Several respondents were unsure as to how long it would take in order for the proposed EZ to be established. This prevented the manufacturers from making investment decisions with respect to the proposed EZ.
- Congestion at Chittagong Port also hindered investment decisions of some manufacturers, who were of the opinion that if Chittagong Port is struggling to meet the current traffic demand, it would be difficult

for CPA to cater to additional traffic from new EZs in Bangladesh. However, this problem could be addressed by the proposed new bay terminal.

- Other site-specific factors that served as barrier to investment were – absence of any gas connection at the proposed EZ, lack of social infrastructure in the region.

## 5.7.4. Perception about Economic Zone Regime

One of the key objectives of primary stakeholder consultation was to assess the awareness about the GoB's Economic Zone policy among the industrial players and also the investment appetite for the proposed EZ. The key findings from the various sectors are as below:

Table 40: Voice on ground from stakeholder consultations

| Sector | Opinion |
|---|---|
| Textiles and RMG | Manufacturers from this sector are upbeat about the concept of economic zones as they have already witnessed the growth in the export processing zones regime. Manufacturers are planning to expand their business in economic zone. In such a scenario wherein EPZs and EZs are seen as best match for expansion, it can be expected that players would be more than willing to set up business in the proposed EZ due to the existing base of supporting industries in the region surrounding Dhaka. |
| Food & Beverages | Manufacturers from this industry were positively interested in the proposed EZ in Nawabganj due to the close proximity to consumer markets in Dhaka.<br>Manufacturers also pointed out the fact that whilst operating out of an EZ, they would ideally want the developer to take care of all the documentation and labor issues. |
| Non-metallic minerals (Ceramics) | Primary stakeholder consultation of manufacturers in this industry revealed the readiness of the players to expand into an EZ due to ease of utility support being provided by the developer letting them concentrate on the core manufacturing processes. |
| Chemicals | Manufacturers would be interested in taking up land in the Economic Zone since it would be easier for them to commence operations within the EZ as developer would be obtaining environmental clearances. Private land with less government control enables them to operate freely. Furthermore, common ETP at the proposed EZ would also be useful for them as presently they face issues in disposing their waste and effluent. |
| Electronics and Electrical | Electronics manufacturers are concentrated around the Gazipur area and are looking to expand to areas in and around Nawabganj due to overcrowding in their existing location. They are willing to relocate to an EZ due to ease of operations. |
| Plastics and Rubber | Most of the manufacturers expressed that they are willing to relocated to EZ as industries located in vicinity of Dhaka will be better positioned to cater domestic demand. However, few of the respondents mentioned the industry is dependent on import of raw materials and thus indicated that transfer from Chittagong to Nawabganj would be cumbersome. |
| Pharmaceuticals | Most pharmaceutical manufacturers are trying to set up their business in the API park that is to be set up in Munshiganj which will create a hub for raw material needed in pharmaceutical industry. Manufacturers contacted mentioned that dearth of social infrastructure in proximity to proposed EZ area might hinder availability of skilled manpower for this industry. |
| Light Machinery (including furniture) | The manufacturers in this sector were quite positive with respect to growth potential of light engineering sector in Bangladesh. Presently a large portion of fabricated iron and steel products are imported from outside the country. These are normally spare parts of different machinery. Having a light machinery unit within an Economic Zone would provide manufacturers in this sector to cater to the needs of the industries that would be established within the zone thus having good access to market for their goods. |
| Leather and leather products | Leather manufacturers expressed positive interest to shift to EZ in Nawabganj due to its close proximity to Dhaka city. Moreover, most of the leather products manufactured in Bangladesh are exported or sold in Dhaka & Chittagong for which |

| Sector | Opinion |
|---|---|
| | leather goods manufacturers try to set up their units near to Dhaka. Hence leather manufacturers were very much interested in shifting to an EZ in Nawabganj. |

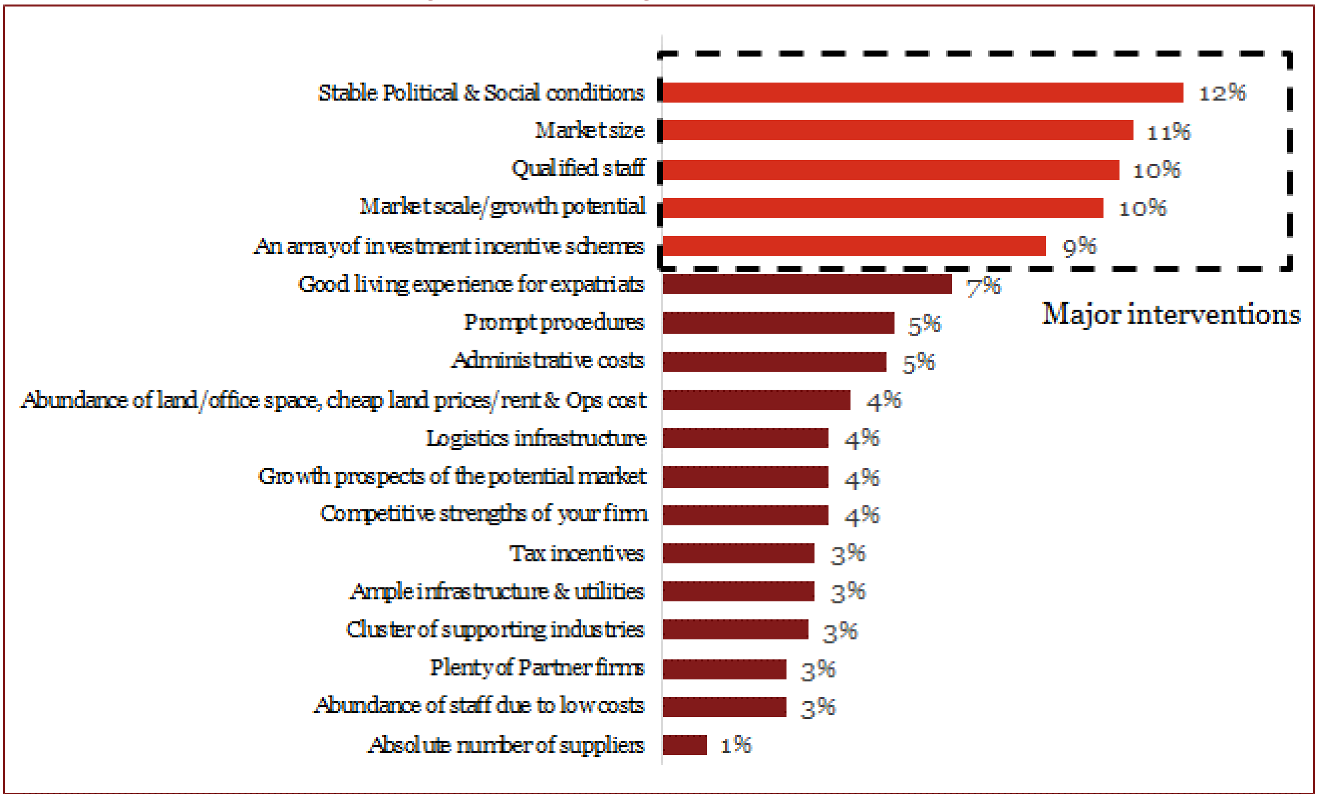
*Source: PwC analysis*

It should however be noted that some respondents were not so optimistic about the economic zone regime of the government and consider operating out of private land as a much easier option. They opined economic zone operations require too much documentation for movement of goods irrespective of the consignment size. In addition, economic zones operation would entail fixed working hours for the workers, specific opening/closing time of factories, and many other restrictions, which they are not in favor of adhering to. These respondents were also asked for their requirements in order to relocate to the EZ and their responses are elaborated in the following section.

## 5.7.5. Voice on Ground- Interventions Solicited

In order to understand the enabling infrastructure required for investment in the proposed EZ, all the respondents were asked about their requirements for relocating their business in the proposed EZ. A good infrastructure availability is a key enabler for success of any Economic Zone project. To understand the priority of the same, respondents were asked to specify their requirements for investing in the proposed EZ. Their response is captured in Figure 42 below –

*Figure 42: Voice on ground (Interventions)*




*Source: Primary Survey*

Manufacturers have expressed their major requirements which influence their investment decision include Stable Political and Social condition, Availability of labour near the proposed EZ, Fiscal and Non-fiscal incentives. Availability of utilities near the proposed EZ is another important factor, which was highlighted during our interaction with manufacturers. During interactions, manufacturers also highlighted the need for availability of local raw materials, particularly those who were interested in Food Processing and Light Engineering sectors.

The requirements can be classified into i) Hard Interventions ii) Soft Interventions

### 5.7.5.1. Hard Interventions

**Access to uninterrupted power supply:** All the investors consulted expressed discontent with power availability across Bangladesh and mentioned that access to uninterrupted power supply is the major requirement for them. Many complained about the 2-3-hour power outages suffered on a daily basis, which had affected the capacity utilization of existing machineries.

**Availability of quality water:** Investors have expressed that quality water availability for industrial and potable purposes is the major factor

**Availability of gas:** Most of the investors consulted expressed that their manufacturing units require piped gas to be used as fuel in their industries or a source for generating electricity as gas is cheaper than diesel.

**Access to CETP/ ETP:** Investors who were considering investment in plastic and rubber, and pharmaceuticals sectors which involved release of effluents wanted to have access to waste treatment plants so as to not cause any adverse damage to the environment.

**Warehousing facility:** Most of the investor consulted expressed that they require warehouse facility to store their goods in the dedicated warehouse facilities in the EZ.

**Labor availability:** Availability of labor is the major requirement expressed by all the investors consulted during our interaction with them.

**Availability of raw materials:** During interactions, investors also highlighted the need for availability of local raw materials, particularly those who were interested in Food Processing and Light Engineering sectors.

**The above-mentioned requirements are duly considered in the master planning in order to address the requirements that manufacturers are looking for to relocate their business into EZ**

### 5.7.5.2. Soft Interventions

The respondents were asked about the various fiscal and non-fiscal benefits that they require for considering relocating their business in the proposed EZ. The investors raised concerns about various incentives and their requirements are mentioned below:

**Cheap land prices:** The investors who are willing to relocate to EZ are looking for Government owned EZ as the land tariff is 2x – 3x times less than the ones in private economic zones. Medium and small-scale investors mentioned that land prices play a major role in their investment decision in the economic zone.

**Low Administrative costs and Tax incentives:** Respondents raised concerns about the various incentives required such as corporate tax subsidy, waiver on import and export duties. Medium and (a few) large scale manufacturers have expressed concern about availability of concessional loan facility, the same is not captured under the incentive package offered by BEZA.

**Prompt procedures:** During the stakeholder consultation exercise, most of the respondents expressed disappointment in complicated and time-consuming procedure. This is one of the major reasons hindering manufactures in Bangladesh from importing the goods from the foreign countries. It was claimed that obtaining permission or license for any utility or activity is cumbersome, requiring many days and several levels of permissions. This is also major reason hindering manufacturers in Bangladesh from starting a new business. Manufacturers mentioned that the procedures should be prompt and fast tracked in order to operate their business at the proposed EZ

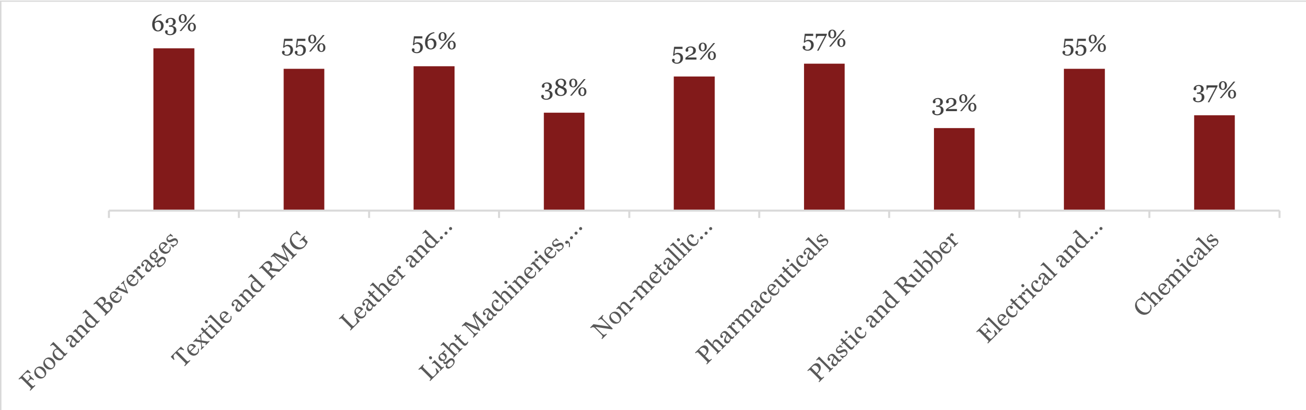
**In the event of addressing the list of requirements that manufacturers are looking for to relocate their business into EZ, BEZA can expect several manufacturers to evince interest in the proposed EZ**

## 5.7.6. Arriving at the Final Shortlist of Industries

In order to understand the popularity and attractiveness of the nine shortlisted industrial sectors (i.e. initial shortlist of industries) among the industrial respondents, each of the respondents were asked to answer if the respective industrial sector is best-fit the proposed EZ (in terms of the suitability of the site conditions and regional attributes pertaining to that industrial sector). For example, the respondents from Food & Beverages sector were asked to answer if Food & Beverages sector is fit for the proposed EZ in Nawabganj (basis site conditions and regional attributes to host this sector) or not.

Responses obtained from the industry players are presented in Figure 43-

*Figure 43: Responses from Industry Players*




*Source: Primary Survey*

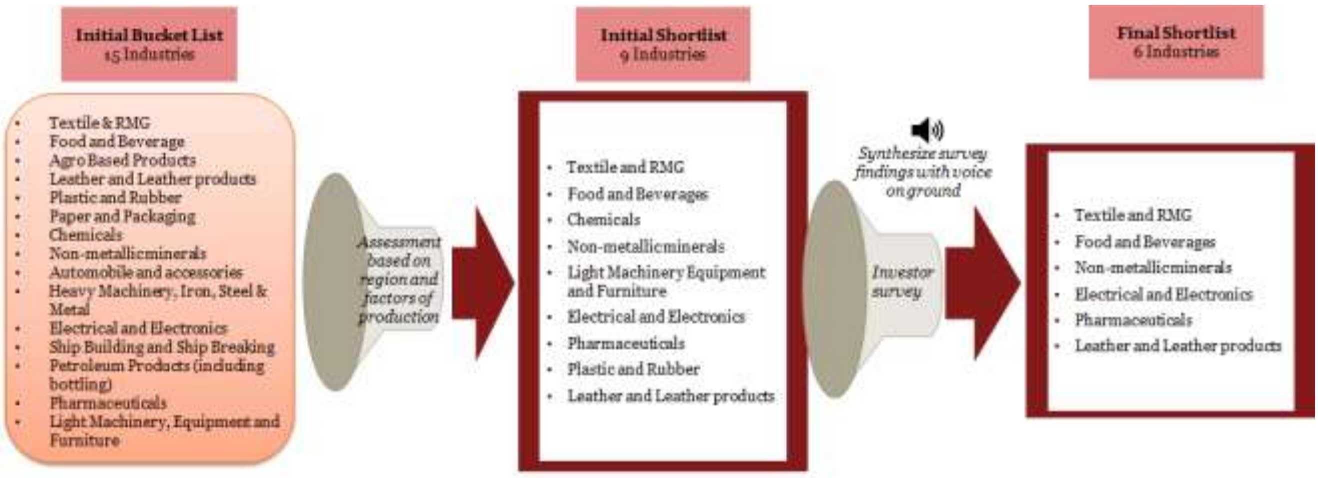
Figure 43 depicts that the following sectors have obtained most popularity from the investor community in the context of the proposed EZ:

- Food & Beverages
- Textile & RMG
- Leather and Leather Products
- Non-metallic Minerals
- Pharmaceuticals
- Electrical and Electronics
- Light machinery, equipment, and furniture
- Chemicals
- Plastic and Rubber

## 5.7.7. Final Shortlist of Site-Specific Industry Sectors

On basis of incorporating the feedback received during the survey, it can be safely deduced that from among the manufacturers contacted, out of the initial shortlisted sectors. Manufacturers mentioned that all the nine sectors are popular with respective to the proposed EZ. However, from the analysis of the primary survey it was observed that manufacturers from Textile/RMG, Food & Beverages, Leather and Leather products, Non-metallic minerals, Electrical and Electronics and Pharmaceuticals sectors have expressed positive interest in relocating their business to the proposed EZ in Nawabganj. The following figure below depicts the step wise approach followed to arrive at the final short list of industries.

*Figure 44: Industry Shortlisting*




*Source: PwC Methodology*

Considering the future prospects in the region and due to the fact, that during on ground implementation the best fit may vary, therefore a holistic demand assessment exercise is performed on the nine initial short list of sectors mentioned below

**Textile & RMG, Food & Beverages, Leather and Leather Products, Non-metallic minerals, Electrical and Electronics, Pharmaceuticals**

**&**

**Chemicals, Light Machinery, Equipment and Furniture and Plastic and Rubber**

The industrial mix proposed is indicative in nature and based on our analysis and findings from primary survey. The choice of industries might change during on ground implementation based on the response received from market.

A demand forecast model will be prepared in the next chapter, for the above mentioned nine industries to understand the land, utility and employment requirements for these industries over the years.

## *5.7.8. Sector Profiles*

This section contains the profiles of all the nine shortlisted sectors obtained through industry assessment exercise. This sector profile provides a brief overview about the various sub-categories of the sectors, sector overview, sector trends, barriers to investment in the sector and various utility requirements.

*Table 41: Sector Profile – Textile & RMG*

| Sector | **Textiles & RMG** |
|---|---|
| Sub-Categories Proposed | Manufacture of textiles and readymade garments |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• Export oriented industry with exports worth ~40 billion USD, majorly to the western regions such as US and Europe |

| | |
|---|---|
| | • The most important input material, cotton is imported in the country (~98% of the total requirement), as domestic production is very limited.<br>• ~30% of the yarn, ~85% of the knit fabric and~10% of the woven fabric is imported from overseas.<br>• Limited presence at the upstream and downstream of the industry, as major presence is at RMG manufacturing<br>• Low cost of RMG manufacturing in the country today is the major reason behind Bangladesh's role as an RMG manufacturer for the western markets.<br>• Most of the employed population is female today<br>• Manufacturing clusters are currently concentrated in Dhaka and Chittagong region.<br>• Bangladesh Garments Manufacturers and Exporters Association (BGMEA) a governing authority uniting all the RMG manufacturers in the country.<br>• Some major domestic players in RMG manufacturing: Beximco Fashion LTD, Square Fashion Limited, Opex Sinha Group, Fakir Group, DBL Group, Standard Group, Asian Apparel Ltd etc. |
| Sector Trends | • Bangladesh aims to increase the exports in the RMG industry to 50 billion USD by 2050.<br>• Exports are growing rapidly for RMG from Bangladesh, and RMG exports have shown growth of ~10% year on year in the last five years<br>• New economic zones getting developed are trying to expand the industry beyond the traditional production hubs such as Dhaka and Chittagong.<br>• With the automation happening in the western markets, the RMG industry in Bangladesh may face challenge in future, as the low cost of manufacturing will not be a major advantage then<br>• This is further challenged by the rising wages in the country<br>• The limited research and innovation in the sector also restrict the growth of industry in future if the above condition prevails. |
| Current Barriers to Investment | Mentioned in chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 4 to 6 acres of land; whereas large scale players require 7 to 10 acres for setting up a single textile & RMG manufacturing facility.<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods). |

| | |
|---|---|
| | • For medium scale facility, power requirement can vary from 0.7 to 1.2 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 1.2 MVA to 2 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 20 to 42 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 40 cum/ day to 70 cum/ day for single facility.<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 500 to 1000 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 900 to 1600 number of manufacturing related employees are employed in a single facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 42: Sector Profile - F&B Industry*

| **Sector** | **Food & Beverage Sector** |
|---|---|
| Sub-Categories Proposed | Fish and Shrimp Processing, Salt Processing, Fast Moving Consumer Goods (FMCG) like cake, biscuit, bread etc. |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• Out of the various sub-categories, demand for (i) fish and shrimp processing, and (ii) biscuits have witnessed significant growth in the past<br>• Bangladesh specializes in fish and shrimp export; Khulna and Chittagong are the two main hubs for shrimp production. Bangladesh exports shrimp and fish over 600 to 700 million USD every year |

| | |
|---|---|
| | • Biscuit industry in Bangladesh has depicted growth of 15% YOY in the last few years.[198]<br>• Agriculture and aquaculture are the main pillars behind this industry in Bangladesh<br>• FMCG constitutes major part of this industry and most of the FMCG oriented manufacturing plants are in proximity to Dhaka, Chittagong, Khulna, and Sylhet as these are the major consumption hubs<br>• Water is one of the most critical ingredients for this sector<br>• Major players: Pran, Meghna, Abdul Monem, Olympics; this sector has witnessed participation of a large number of medium scale players |
| Sector Trends | • Mostly domestic focused sector, but export is rising<br>• Since this sector is less dependent on import and dependent on domestic for both sourcing of input and sell of output, this sector is poised to witness sound growth due to rising income levels and increasing affordability.<br>• Demand for nutrient rich, high quality food products is increasing.<br>• Fish and Shrimp is a major export commodity and the demand has been depicting an increasing trend<br>• Bangladeshi food & beverage exporters are exporting processed food products to 104 countries (major destinations being Middle East, India, and other South Asian countries).<br>• Since major consumption hub is centered around Dhaka, proximity of Dhaka serves the proposed EZ with immediate market access.<br>• Pran is the most prominent Food & Beverages player in the country and it has footprints in Middle East and in India<br>• Meghna Group and Abdul Monem Group are the other players, which are quickly capturing market share<br>• Fish and shrimp processing sector have small to large players; whereas Food & Beverages sector is dominated by medium and large players (some being foreign) |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 3 to 7 acres and large players require 10 to 20 acres for a single food & beverage manufacturing facility.<br>• For fish and shrimp processing facility, area is dependent on capacity as there is a pond/ shrimp cultivation facility (artificially cultured pond) attached with the processing facility. |

[198] *Biscuits and Confectioneries Industry of Bangladesh, Lightcastle Partners*

| | |
|---|---|
| | • Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.5 to 1.4 MVA; whereas, for a large-scale facility, power requirement may vary from 1.6 MVA to 4 MVA<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• Current practice in Bangladesh is to install deep tube-wells and extract groundwater for industrial consumption. Permission from GoB needs to be taken to install the pump, however, there is no monitoring mechanism in place to check the amount of water extracted<br>• For medium scale facility, water requirement can vary from 90 to 350 Cum/ day; whereas, for a large-scale facility, water requirement may vary from 300 cum/ day to 600 cum/ day<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 60 to 180 number of manufacturing related employees are employed; whereas for a large facility, typically 200 to 500 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 43: Sector Profile – Leather and Leather Products*

| **Sector** | **Leather and Leather Products** |
|---|---|
| Sub-Categories Proposed | Finished leather goods |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following- |

| | |
|---|---|
| | • Export Oriented industry, approx. 75-80% of total domestic production is exported in form of raw leather or finished products.<br>• Bangladesh meets the demand for about 10% of the world's total leather market.<br>• The exports from this sector are worth ~508 million USD in 2019 and has depicted growth of ~10% annually.<br>• Leather industry clusters are located in Savar region, a Dhaka neighborhood with more than 150 tanneries, which is the largest cluster of leather in Bangladesh.<br>• The raw material required for leather is animal hide and skin. Due to its large cattle population, Bangladesh has a good supply of leather.<br>• The large portion of raw material comes from cow hides which account for 64.82 % of the production.<br>• In tanneries, the raw animal skins and hides are processed to manufacture finished leather, which in turn is used to manufacture leather-based products and footwear.<br>• The Leather goods And Footwear Manufacturers & Exporters Association of Bangladesh (LFMEAB) is the recognized trade body uniting all the leather goods and footwear manufacturing companies in Bangladesh<br>• Some of the major domestic players in Leather industry are: Alliance leather goods and footwear ltd, Sonali Aansh industries ltd, Iqra trade international, Ramim leather and finished goods corporation, Innove leather products ltd etc. |
| Sector Trends | • This sector has a potential to replicate the RMG success story as the demand for Bangladesh leather-based products is increasing globally.<br>• The leather industry has been identified as a priority sector based on its considerable growth over the years<br>• The industry is growing rapidly and is expected to grow between 10-12% every year in the coming five years.<br>• Production units for this growing sector are rising due to the planned economic zones and industrial parks in the country.<br>• The domestic footwear market is now estimated with total demand of 30 million pairs per year, due to the rapid increase in the size of the middle class in the country[199] |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods). |

[199] https://www.adb.org/sites/default/files/publication/467956/adb-brief-102-bangladesh-leather-industry.pdf

| | |
|---|---|
| | • Basis primary survey, typically medium scale players require 3 to 5 acres of land; whereas large scale players require 7 to 12 acres for setting up a single Leather and Leather products sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.4 to 0.7 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 0.9 MVA to 1.5 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 210 to 350 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 500 cum/ day to 850 cum/ day for single facility<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 175 to 300 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 400 to 700 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 44: Sector Profile – Non-metallic minerals*

| **Sector** | **Non-metallic minerals** |
|---|---|
| Sub-Categories Proposed | Ceramics, Cement, Glass etc. |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following- |

| | |
|---|---|
| | • Ceramics industry is one the growing manufacturing sectors in Bangladesh due to the steady economic growth and urbanization. The core products of this sector are tiles, tableware and sanitary ware.<br>• The ceramics industry caters to 85% of the local demand and also serves a major portion of the export market<br>• More than 50,000 people are engaged in this sector in Bangladesh<br>• Bangladesh Ceramic Manufacturers & Exporters Association (BCMEA) is the National trade Organization uniting the Ceramic Products Manufacturers and Exporters in Bangladesh.<br>• Cement industry is booming sector in Bangladesh and the country is the world's 40th largest cement market.200<br>• The production capacity of cement stood at 58 million tonnes in 2018 while the demand has seen a rise to 31 million tonnes.<br>• Out of the locally produced cement Government consumption is 35 percent, commercial developers' consumption is 35 percent and the remaining amount by the individuals and small buyers.<br>• The per capita consumption of cement raised by 97 per cent to stand at 187 kg from 2011 to 2018. However, it still lags behind the global average of per capita consumption of 563 kg.<br>• The major cement players in Bangladesh are Lafarge Holcim, Shah cement, Basundhara cement and Fresh cement. |
| Sector Trends | • Non-metallic sector in Bangladesh is estimated to grow up to ~10% in the coming five years.<br>• Ceramic products are currently exported to more than 50 countries such as USA, Italy, New Zealand, Australia, Sweden, Spain and France.<br>• The export demand for the ceramics is increasing due to the availability of variety of products at competitive prices meeting the international standards.<br>• The growth of cement industry looks promising in terms of increasing demand due to rapid urbanization, real estate and government projects.<br>• High growth in this sector is observed due to the fact that Bangladesh is one of the largest global importers of clinkers.<br>• Bangladesh looks to be rapidly closing the gap between national per capital consumption and global average.<br>• Currently, 14 cement manufacturers are involved in exporting their products to Nepal, Srilanka, Maldives and other foreign countries.<br>• New technologies are being implemented in this industry in order to improve operational efficiencies and reduce wastage in the industry. |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |

[200] https://tbsnews.net/economy/bangladeshs-cement-industry-booming

| | |
|---|---|
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 10 to 14 acres of land; whereas large scale players require 16 to 20 acres for setting up a single Non-metallic minerals sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 1.25 to 1.75 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 2.0 MVA to 2.5 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 500 to 700 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 800 cum/ day to 1000 cum/ day for single facility<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 6,000 to 8,500 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 9,700 to 12,000 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 45: Sector Profile – Pharmaceuticals*

| **Sector** | **Pharmaceuticals** |
|---|---|
| Sub-Categories Proposed | Manufacturing of generic and patented drugs |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4 |

| | |
|---|---|
| | Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• The pharmaceutical sector is one among the fastest growing sector in Bangladesh. According to Bangladesh bureau of statistics, the sector contributed to 1.83% of GDP in 2018[201]<br>• Historical 5 years CAGR: 15.6%<br>• Per capita healthcare expenditure of Bangladesh grew at an average rate of 11.0% in the last 10 years whereas gross national income (GNI) per capita grew at a rate of 6.0% in 2018.[202]<br>• Bangladesh enjoys comparative advantage due to its cheap labour and adequate amount of skilled labour.<br>• Bangladesh imports 99.5% of raw materials or APIs for producing medicines mainly from China and India.<br>• To reduce the important dependency and to facilitate steady supply of raw materials, API park in Gazaria, Munshiganj is envisaged by GoB.<br>• Square, Incepta pharma, Beximco, Opsonin Pharma are the major pharma companies in Bangladesh. |
| Sector Trends | • Of the total amount of drugs produced locally, 80.0% are generic and 20.0% patented drugs<br>• Bangladesh's pharmaceuticals sector is expected to grow at 15 percent for the next five years[203]<br>• Demand for the drugs is going to increase as the population is expected to grow at 1 CAGR from 167 Mn in 2018 to 176 Mn in 2023 with increase in life expectancy<br>• Due to the rapid growth of chronic diseases, increase in health care facilities combined with modern technology, the growth of the domestic drug market is increasing.<br>• Non communicable diseases to surge by 35 from 32 7 Mn in 2016 to 50 6 Mn in 2030<br>• As an LDC, the country will not need to pay any royalty for producing patent drugs till 2033, which is a great opportunity to increase its export share. |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods). |

[201] Bangladesh Bureau of Statistics
[202] IMS Health report 2018
[203] https://www.thefinancialexpress.com.bd/views/expediting-completion-of-api-industrial-park-1567005771

| | |
|---|---|
| | • Basis primary survey, typically medium scale players require 2 to 4 acres of land; whereas large scale players require 6 to 12 acres for setting up a single Pharmaceuticals sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.3 to 0.6 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 0.9 MVA to 1.8 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 120 to 240 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 360 cum/ day to 720 cum/ day for single facility<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 300 to 600 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 900 to 1800 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 46: Sector Profile - Electrical and Electronics Sector*

| **Sector** | **Electrical and Electronic Sector** |
|---|---|
| Sub-Categories Proposed | Consumer durables such as TV, Refrigerator, Air Conditioners, Computer parts, Smartphones and other household appliances |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4.<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following- |

| | |
|---|---|
| | • Bangladesh presently does not have integrated manufacturing facilities dedicated to the electricals and electronics sectors<br>• The value chain of this sector in Bangladesh is mostly limited to assembly of spare parts imported from other countries and manufacturing of certain spare parts<br>• Local players are dependent on import of raw materials and manufacturing of spare parts locally<br>• Major products from this sector (such as electronic appliances like AC, fridge, TV, computer and peripherals; electrical fittings, cables, and lighting; Smartphones) are consumed locally.<br>• Availability of skilled labor is one of the critical ingredients for this sector<br>• Major players: Rangs, Walton, Jamuna, Vision, Butterfly; this sector has witnessed participation of a large number of international players such as Sony, Samsung, LG, Panasonic, General, Miyako etc. |
| Sector Trends | • Mostly domestic focused sector, but highly import dependent<br>• Since this sector is highly dependent on import and dependent on domestic for both assembly of inputs and sell of output, this sector is poised to witness sound growth due to the following reasons:<br>  ○ Rise in disposable income<br>  ○ Rise in organized retail & E-commerce<br>  ○ Growing demand in rural markets<br>  ○ Increasing affordability of products<br>  ○ Rapid urbanization and brand awareness<br>• Apart from these, a younger population, shift towards nuclear families, rising Middle and Affluent Class (monthly household income of around $400 or greater, known as MAC) which is expected to triple within 2025[204] can also prove to be key drivers for the sector<br>• An emerging trend in this sector is the growing market for smartphones among the consumers. This overall demand surge has created possibilities for local manufacturers to establish profitable businesses. The locally manufactured devices started to enter the ecosystem during the last quarter of 2018 creating new dynamics in the market. Consumers who sought affordability and efficient value delivery started buying locally made handsets.<br>• During the first quarter of 2019, the smartphone market in Bangladesh grew 45% year-on-year (YoY) due to the advent of locally manufactured devices[205] The volume of locally manufactured devices makes up 41% of Bangladesh's smartphone market. |

[204] *BCG*
[205] *https://databd.co/stories/the-smartphone-market-ecosystem-of-bangladesh-9830*

| | |
|---|---|
| | • The continually growing market for consumer durable market (barring Smartphones) stood at USD 1.38 billion in 2017 is expected to grow to USD 2.39 billion by 2022[206]<br>• Since major consumption hub is centered around Dhaka, the proposed EZ has good access to markets.<br>• Television and refrigerators are the most prominent product category in the sector with a total share of ~70% of the domestic market[207]<br>• Walton is the most prominent domestic player in the country with a total market share of ~40% across TV and refrigerators categories[208]<br>• Singer and LG are the international players, which also capture significant shares of the market<br>• Samsung holds the prime position in terms of market share in case of Smartphones followed by Walton, which is again a local player[209] |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 1 to 4 acres of land; whereas large scale players require 5 to 11 acres for setting up a single electrical and electronics sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.1 to 0.5 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 0.6 MVA to 1.4 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 40 to 160 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 200 cum/ day to 450 cum/ day for single facility<br>• Following chapter delves into forecasting of industrial water requirement for this sector |

[206] *https://databd.co/profiles/industries/profile-consumer-electronics (pre-COVID projections)*
[207] *https://databd.co/profiles/industries/profile-consumer-electronics*
[208] *https://databd.co/profiles/industries/profile-consumer-electronics*
[209] *https://databd.co/stories/the-smartphone-market-ecosystem-of-bangladesh-9830*

| | |
|---|---|
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 250 to 1000 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 750 to 2750 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 47: Sector Profile - Light Machinery, Equipment and Furniture Industry*

| **Sector** | **Light Machinery, Equipment and Furniture Sector** |
|---|---|
| Sub-Categories Proposed | Manufacture of spare parts of machines, and equipment and furniture |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4.<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• The light machinery sector is often referred to as the 'mother industry' which is significantly integrated into the backward linkage for agriculture, food processing, railway, shipbuilding, RMG, cement, paper, jute, textile, and sugar industries<br>• Light machinery sector provides support for operation and maintenance of heavy machines through production of spare parts, castings, molds, dies, fittings etc. Apart from these, various equipment and bicycles also form a part of this sector<br>• In recent 'Industry policy 2016' and 'Export policy 2018-21', the sector is considered as one of the highest priority sectors<br>• The industries in this sector mostly develop in vicinity of industrial zones in order to provide support to large-scale capital-intensive factories requiring heavy machinery<br>• As per information provided by BIDA there are currently 40,000 light engineering units/workshops scattered across Bangladesh Local players are dependent on import of raw materials and manufacturing of spare parts locally<br>• This sector has experienced traction from exporters from countries like China, Japan and Korea are developing light engineering facilities in Bangladesh in order to cater to export market.<br>• Availability of skilled labour is one of the critical ingredients for this sector<br>• These sectors mostly consist of micro, small and medium enterprises; but large conglomerates such as Walton, RFL, Meghna Group, Alim Industries |

| | |
|---|---|
| | Ltd., ACI Motors etc. also participate in the light machinery and equipment sector<br>• Dhaka, Gazipur, Narayanganj, Sylhet, Bogura, Natore, Khulna, Barisal, Jessore and Chittagong are the major hubs of this sector<br>• The furniture sector has also seen huge growth in Bangladesh. The market is dominated by micro and small-scale enterprises (associated with furniture manufacturing as well as backward and forward linkages) while there are medium and large-scale organizations that are dominating the urban areas, especially in Dhaka and Chittagong.<br>• Some of the major local players in the furniture sector are Otobi, Akhtar, Navana, Hatil etc. |
| Sector Trends | • Domestic focused sector with considerable export potential, and import dependent for raw materials<br>• Bangladesh is gradually shifting away from importing light engineering goods and furniture to manufacturing them inside the country<br>• Growing domestic demand, improving supply-side capabilities, inexpensive labour costs, and possibilities of backward and forward linkages are some of the drivers of this sector<br>• Sub-sectors such as bicycle manufacturing, agro-machinery, automotive spare parts have witnessed significant growth over the last few years<br>• Bangladesh is the third-largest non-EU exporter of bicycles to the EU and the eighth largest exporter overall and with the global bicycle market anticipated to expand by 37.5% by 2024[210], it presents huge opportunity to Bangladesh<br>• In case of the furniture industry, the domestic demand is mostly concentrated around Dhaka and Chittagong and 90% of furniture demand in the country is met locally. However, the furniture sector recorded export earnings of USD 75 million in 2018-19 which was up from the same recorded during 2017-18 by 18.5%[211] |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 2 to 3 acres of land; whereas large scale players require 4 to 10 acres for setting up a single light machinery, equipment and furniture manufacturing facility.<br>• Following chapter delves into forecasting of industrial land requirement for this sector |

[210] Persistence Market Research
[211] http://m.theindependentbd.com/post/216403

| | |
|---|---|
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.2 to 0.4 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 0.5 MVA to 1.2 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 100 to 150 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 200 cum/ day to 500 cum/ day for single facility.<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 400 to 600 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 800 to 2000 number of manufacturing related employees are employed in a single facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 48: Sector Profile – Chemicals*

| **Sector** | **Chemicals** |
|---|---|
| Sub-Categories Proposed | Fertilizers |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4.<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• Due to the rapid industrialization in the country, Chemicals sector in Bangladesh has triples in the last decade.<br>• The Chemicals sector in Bangladesh is driven by domestic consumption with significant import dependency due to lack of integrated chemical manufacturing facilities.<br>• Chemicals sector comprises various products viz. (i) fertilizer, (ii) adhesives & paints related products, and (iii) other chemicals. |

| | |
|---|---|
| | • Import of ~835 million USD worth organic chemicals in 2019, while ~392 million USD worth inorganic chemicals were imported in the same year.<br>• Bangladesh is heavily dependent on import of Urea as well as finished product (Fertilizer), 68% of its total demand is met by imports.<br>• Chemicals sector acts as the downstream sector for various sectors such as food processing, fertilizer and agro based, Appliance and foam industries, leather and plastic products, shipbuilding, and heavy machineries.<br>• Currently Bangladesh imports chemicals from India, China, Germany, Japan, France etc.[212] |
| Sector Trends | • Bangladesh has a huge agricultural land; improvement of chemical sector may trigger agro and industrial revolution simultaneously.<br>• Domestic production of chemicals is estimated to grow between 1-2% in the next five years.<br>• High cropping intensity and decreasing soil intensity are the main demand drivers for this sector in the country.<br>• Fertilizers will have high demand in proximity to the proposed EZ, due to the widespread agriculture-based economy in the influence region. |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 3 to 6 acres of land; whereas large scale players require 8 to 14 acres for setting up a single Chemicals sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.5 to 1.25 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 1.5 MVA to 2.6 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 180 to 360 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 480 cum/ day to 840 cum/ day for single facility |

[212] https://www.daily-sun.com/post/412886/2019/08/04/Potentiality-of-our-chemical-sector

| | |
|---|---|
| | • Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 500 to 1000 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 1300 to 2500 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

*Table 49: Sector Profile – Plastic and Rubber*

| **Sector** | **Plastic and Rubber** |
|---|---|
| Sub-Categories Proposed | Input to various sectors such as Automobiles, Light Engineering, Electrical/ Electronics, Heavy Machineries, etc. |
| Sector Overview | Based on secondary research, sector overview detailing on the production, market demand, foreign trade, and growth projections has been captured in chapter 5.3 and 5.4.<br><br>Based on responses received during primary survey, sector overview has been detailed out in the following-<br><br>• The plastic and rubber industry in Bangladesh have a strong domestic demand and has potential for exports.<br>• This sector contributed to 1% of the GDP and exhibiting an annual growth rate of 20% per year.[213]<br>• This sector is a key enabler for innovation in sectors such as packaging, footwear, leather, healthcare, electronics, textile, automobiles etc.<br>• Currently around 5000 companies are operating in this sector of which 98% are small and medium scale enterprises.<br>• Bangladesh's production capacity in this sector is limited due to lack of advanced technology and lack of skilled labour. As a result, plastic products manufactured in this country primarily cater to domestic demand.<br>• Over 60% of the domestic rubber produced is used in local industries and the rest is exported. |
| Sector Trends | • The current per capita plastic consumption in Bangladesh is 7 kg/year in 2019 as compared to other developed countries like US and Singapore where the annual per capita consumption is over 100 kg. |

[213] http://bida.gov.bd/plastic-industry

| | |
|---|---|
| | • Factor such as low cost of manufacturing is driving Bangladesh's plastic and rubber sector.<br>• The potential of this sector is growing due to rapid industrialization and is expected to grow to US$ 6.5 Billion by 2024-25.[214]<br>• Plastic products are mostly consumed in the local markets, the proposed EZ is in close proximity to Dhaka and is better positioned to cater the domestic demand. |
| Current Barriers to Investment | Please refer to chapter 5.7.3 |
| Land Requirements | • Land requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• Basis primary survey, typically medium scale players require 2 to 5 acres of land; whereas large scale players require 6 to 12 acres for setting up a single Plastic and Rubber sector manufacturing facility<br>• Following chapter delves into forecasting of industrial land requirement for this sector |
| Power Requirements | • Power requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods).<br>• For medium scale facility, power requirement can vary from 0.25 to 0.75 MVA for single facility; whereas, for a large-scale facility, power requirement may vary from 0.75 MVA to 1.5 MVA for single facility<br>• Following chapter delves into forecasting of industrial power requirement for this sector |
| Water Requirements | • Water requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, water requirement can vary from 120 to 300 Cum/ day for single facility; whereas, for a large-scale facility, water requirement may vary from 360 cum/ day to 720 cum/ day for single facility<br>• Following chapter delves into forecasting of industrial water requirement for this sector |
| Employment per Factory | • Manpower requirement depends on the capacity of the factory, type of technology and type of sub-sector (finished goods)<br>• For medium scale facility, typically 250 to 700 number of manufacturing related employees are employed in a single facility; whereas for a large facility, typically 800 to 1600 number of manufacturing related employees are employed in a facility<br>• Following chapter delves into forecasting of manpower requirement for this sector |

[214] *https://www.businesswire.com/news/home/20191211005745/en/Bangladesh-Plastics-Market-Outlook-2019-2025---ResearchAndMarkets.com*

Sectoral overview and the numbers mentioned in the sectoral profile are on the basis of primary surveys, while the sectoral trend is a blend of primary and secondary research. The detailed demand assessment of the above-mentioned industries will be taken up in demand assessment chapter based on the inputs of the primary survey.

## 5.8. Key Takeaways

In order to arrive at the most suitable industries in site surrounding context, an industry assessment framework comprising of top-down (secondary research) and bottom-up (primary survey) was adopted.

The **top-down approach** identifies 15 best-performing industrial sectors (initial bucket list of industries) in the country context based on historical trend analysis of industrial production and foreign trade. At the next level, sectoral outlook of these industries was studied in detail to understand about (i) raw material sourcing, (ii) major markets being served, and (iii) factors of production (such as utility, logistics, and manpower) necessary.

**In-depth regional landscape assessment of the influence region** (comprising of adjoining districts) surrounding the proposed EZ was undertaken in light of (i) economic profiling, (ii) natural resources (agricultural, marine, and mineral), (iii) industrial ecosystem in the influence region, and (iv) availability of semi-skilled and skilled manpower. Proximity to Dhaka city ensure that the industries in the proposed EZ will have access to consumer markets.

Regional assessment depicts the suitability of the initial bucket list of industries in site surrounding and influence region context. **Nine industries were initially shortlisted** ex post facto this regional landscape assessment. The primary set of industries are: (a) Textile & RMG, (b) Food & Beverage industry, (c) Leather and Leather Products, (d) Non-Metallic Mineral Products, (e) Pharmaceuticals, (f) Electrical and Electronics; secondary set of industries are: (a) Light Machinery, Equipment, and Furniture, (b) Chemicals, (c) Plastic and Rubber

**On-ground primary survey** was undertaken to validate the aptness of these initially shortlisted industries and to capture the feedback from investors. A total of 158 respondents (comprising of 128 Bangladeshi and rest foreign) were surveyed. Voice on ground also captured that the investors are facing challenges regarding high customs duties, time consuming customs clearance procedures, power shortage, unavailability of fuel (natural gas), and with overall logistics scenario in the country. These challenges (country specific, site specific, and sector specific) are causing hindrances to investment. Among the various site-specific challenges faced by manufacturers, hindering investment towards proposed EZ, it was observed that distance from the Chittagong port is listed as the common reason by the manufacturers.

Respondents opined that they have certain pre-requisites of investment. **Key pre-requisites** as divulged by the primary survey are:

- Availability of labor
- Availability of raw materials
- Access to CETP/STP
- Uninterrupted access to quality utility services (power, water, and gas)
- Warehousing facility
- Subsidized industrial land space and utility tariffs
- Prompt administrative procedures
- Access to concessional loans
- Corporate income tax subsidy

Many fiscal and infrastructure related pre-requisites are already under implementation by BEZA as part of its EZ incentive package and operational guidelines.

The section above identifies the prospective sectors which are most suitable for the proposed EZ and same will be considered while assessing the year on year land demand. The sub-sector level assessment to identify the most suitable product/sub-sector which EZ can target has been furnished in Annexure 16.

Following sectors have emerged as most suitable for this proposed EZ –

Primary set of industries:

- Textile & RMG
- Food & Beverages
- Leather and Leather Products
- Non-Metallic Mineral Products
- Pharmaceuticals
- Electrical/ Electronics

Secondary set of industries:

- Light Engineering, Equipment and Furniture
- Plastic and Rubber
- Chemicals

# 6. Demand Forecast

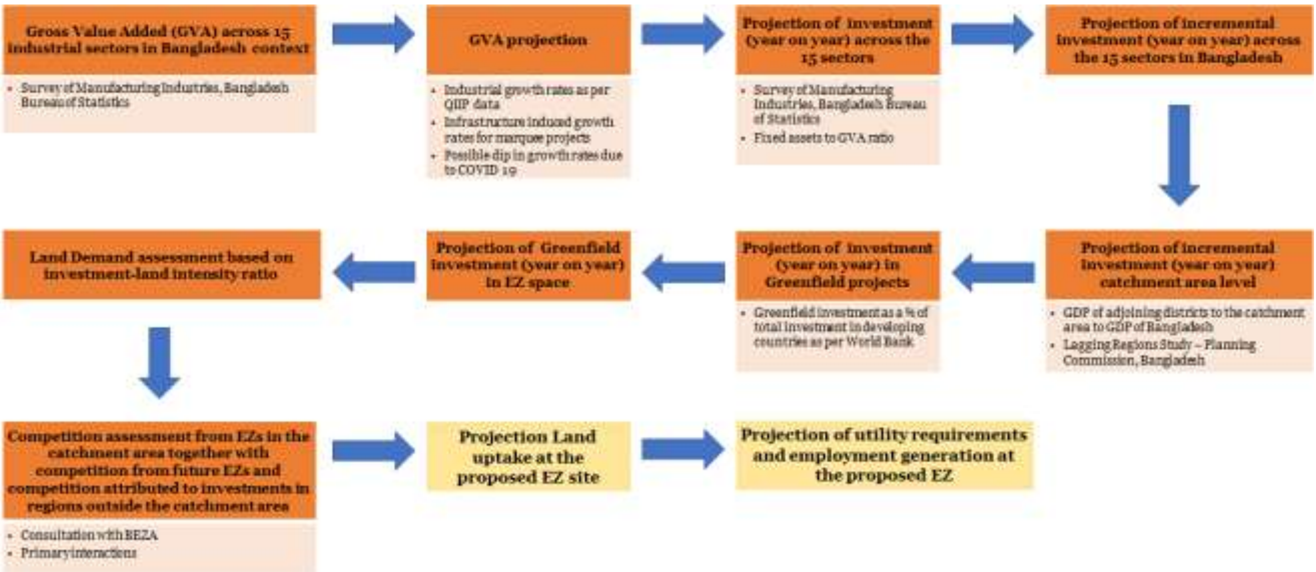
## 6.1. Purpose and Objective

The former chapter assessed various industrial sectors in the perspective of national and regional landscapes, and identifies the key sectors having potential to be developed in the proposed economic zone. As a next step, this chapter delves into estimating the year on year demand generated by these industries through a mathematical model prepared using statistics techniques. The model attempts to estimate the demand for land for the proposed economic zone for a span of 20 years. It also attempts to estimate the year on year demand for various utilities such as power, and water, and year on year employment generation. Basis the key findings of this demand model, land demand uptake and potential industrial mix for the proposed EZ is arrived at; this forms the basis of the best practice master planning and infrastructure planning.

## 6.2. Methodology of Demand Forecast

For estimation of demand of various parameters for the proposed economic zone, up-down approach is used, where macroeconomic parameters are estimated initially at the national level, and then they are boiled down to the regional level in order to understand the potential demand at the proposed economic zone. Figure 45 given here depict the methodology for the demand forecast.

Figure 45: Overall approach for demand forecast




*Source: PwC Analysis*

Stepwise approach has been elucidated in the following-

1. As a first step in demand forecasting exercise, GVA (Gross Value Addition) of best performing 15 industrial sectors is taken from SMI 2012 database for further forecasting purpose.[215]

2. GVA for these 15 industrial sectors have been forecasted based on industrial growth rates. It has been considered that these growth rates are generating owing to the organic growth rate(s) of the respective industrial sector(s). The possible dip in growth rates due to COVID 19 pandemic is also taken into consideration for years between 2020 to 2025.

   QIIP published for the month of May 2019 by BBS has been analyzed to find out CAGR for each of these industry sectors. The results obtained from the same have been further validated by detailed secondary

[215] *GVA stands for gross value addition for a given industry in a span of one year. The term is different from gross product, where gross value of final product is considered for calculation.*

research on sectoral outlook and industry trends in Bangladesh. Data points in support to these parameters are furnished in the annexure.

The decrease growth rates for different industries have been estimated in proportion to the decrease in growth rates of Bangladesh estimated by The World Bank in its report depicting the impact of COVID 19 on South Asia. The dips are taken after detailed assessment of possible impact of COVID 19 on various industries, which is further rated on a scale from one to five.

3. The year on year investment is calculated from the projected GVA values of the 15 industrial sectors using investment to GVA ratios (calculated from SMI 2012 data). Further GDP contribution of districts in the influence area is used to estimate the incremental investment in the influence region (defined in section 5.5).
4. The investment projections are discounted further to boil down to the investments that will be accrued to the Greenfield projects in the influence area of the proposed EZ. The resulting investment forecast in Greenfield projects in the afore-mentioned influence area is subsequently discounted further to ascertain the magnitude of investment (year on year) that would be accrued to the Economic Zone space.
5. Investment-land intensity ratio is assessed on the basis of secondary research, industry sector outlook, and primary interaction with industries, which is further used to estimate the year on year land uptake in the various economic zones in the influence area.
6. In addition to the proposed EZ, various other economic zones are planned within its influence area. In consultation with BEZA officials and past experience, land uptake in these proposed economic zones have been prepared. After considering competition from these economic zones within the influence area, land uptake projection at the proposed EZ is arrived at.
7. Based on the shortlisted industry sectors suitable for the proposed EZ (identified in last chapter), land uptake projection has been calculated. Proceeds from the same have been used to formulate the best practice master planning and accordingly infrastructure requirements have been assessed.
8. Referring to secondary research and prevailing best practices, utility requirements and employment generation (per unit area) have been considered. These index figures have been validated through the primary interaction held on ground. Based on the same, projection of utility requirements and employment generation for the proposed EZ has been estimated.

It is to be noted that forecasting of land uptake, utility requirements and employment generation are based on the hypothesis elaborated above. Actual scenario during on-ground development of the proposed EZ may vary than this estimation.

## *6.3. Demand Scenarios and Associated Assumptions*

### *6.3.1. Demand Scenarios*

Three scenarios have been considered while developing the demand forecasting model.

- Aggressive case: Economic conditions of Bangladesh and the region are improving and behaving better than expected; as a result of the same, macro-economic indicators showing good prospect and potential infrastructure projects are commencing as scheduled.
- Base case: Economic conditions of Bangladesh and the region are showing steady trend and behaving as expected; macro-economic indicators also indicating good prospect.
- Conservative case: Economic conditions of Bangladesh and the region are showing lagging trend and behaving worse than expected; macro-economic indicators indicating hindrances to growth.

All the three cases take into consideration the impact of COVID 19 pandemic on the country’s economy.

## 6.3.2. Key Assumptions

**1. Timing and related assumptions**

Looking at the landscape of competing economic zones in the country, various economic zones are at an advanced stage of development. These economic zones are Mirsarai Bangabandhu Sheikh Mujib Industrial City[216], BEZA owned zones (like Dhaulghata in Maheshkhali, Jamalpur), 20[217] private EZs which have received final license & pre-qualification license, PPP EZ in Mongla, and G2G EZs (like Japanese EZ in Araihazar, Chinese EZ in Anowara, Indian EZ in Mongla). There also lies the possibility that new EZs may be launched in the short term (coming five years). Market intelligence and hypothesis formed based on input from BEZA indicates that in the coming five years, majority of the investment in these EZs (which are at advanced stages of development and the possible new entrants) could be directed towards these EZs (which are at an advanced stage of development) and in EZs which are located in proximity to Dhaka and Chittagong. Considering the same, uptake at Nawabganj EZ was assumed to start in short term (i.e. within the next five years) and thus it had been previously assumed in the model that industrial space uptake should commence from 2023 onwards.

In the post-COVID era, investors could be more risk averse in choosing an investment destination within Bangladesh and may express interest in more commercially prosperous clusters of the country. The impact of the COVID pandemic could also prompt investors to re-think their investment plans which may impact demand of industrial space uptake in economic zones.

Keeping cognizance of the above, we re-visited our earlier analogy and further it has been assumed that regulatory activities and study on the proposed EZ would start from 2020 (second half) owing to BEZA's target of developing this project in a fast-track mode. Thus, construction activities can begin from 2022. Taking cues from similar developments across the globe, and the area being 874 acres, construction timeline of 5 years (from 2022 to 2026) has been considered.

Basis above timelines, it has been assumed that land uptake in the proposed EZ to commence from 2024 and accordingly a demand model has been prepared for 20 years (i.e. from 2024 to 2043).

**2. Industries considered for this assessment**

As elaborated in earlier chapter, following industries have been identified for the demand projection framework.

Primary set of industries:

- Textiles & RMG
- Food & Beverages
- Leather and Leather products
- Non-metallic minerals
- Pharmaceuticals
- Electrical and Electronics

Secondary set of industries:

- Chemicals
- Plastic and Rubber
- Light Machinery and Equipment & Furniture

[216] *This is an integrated industrial arcade comprising of industrial tenants, PPP developers (such as SBG), and other developers (like BEPZA, BGMEA, Indian EZ to name a few). Mirsarai Bangabandhu Shiekh Mujib Industrial City is spread over 30,000 acres and details about the land allotment has been obtained from BEZA officials*

[217] *As per the information obtained from BEZA, details are provided in the annexure.*

### 3. Assumptions related to industrial growth rate (organic)

Basis primary survey of industrial units, growth trend and changing investment landscape in the country context were assessed. Based on the responses recorded during primary survey, organic industrial growth has been taken into cognizance. These growth rates are also revised for considering the possible impact of COVID 19 pandemic.

As outlined in the methodology of the demand forecast, following organic industrial growth rates have been assumed. The values considered are on the conservative side. Detailed rationale behind these assumptions are placed as annexure.

Table 50: Organic industrial growth rate related assumptions

| Industrial Sectors | Description of the Assumptions |
|---|---|
| Textiles & RMG | • 13% annual growth from 2012 to 2018<br>• 10% annual growth in 2019<br>• 8% annual growth from 2028 to 2043 |
| Food & Beverages | • 8.5% annual growth from 2012 to 2019<br>• 10% annual growth from 2028 to 2030<br>• 9% annual growth from 2031 to 2043 |
| Leather and Leather products | • 7% annual growth from 2012 to 2019<br>• 8% annual growth from 2028 to 2030<br>• 7% annual growth from 2031 to 2043 |
| Non-metallic mineral products | • 11% annual growth from 2012 to 2019<br>• 12% annual growth from 2028 to 2035<br>• 11% annual growth from 2036 to 2043 |
| Pharmaceuticals | • 10% annual growth from 2012 to 2018<br>• 12% annual growth in 2019 and 2028<br>• 10% annual growth from 2029 to 2043 |
| Electrical and Electronics | • 12% annual growth from 2012 to 2018<br>• 15% annual growth from 2019<br>• 12% annual growth from 2028 to 2043 |
| Chemicals | • 7% annual growth from 2012 to 2016<br>• 8% annual growth from 2017 to 2019<br>• 8% annual growth from 2028 to 2043 |
| Plastic and Rubber | • 7% annual growth from 2012 to 2019<br>• 8% annual growth from 2028 to 2030<br>• 7% annual growth from 2031 to 2043 |
| Light Machinery and Equipment & Furniture | • 15% annual growth from 2012 to 2019<br>• 18% annual growth from 2028 to 2029<br>• 15% annual growth from 2029 to 2043 |

*Note: For span between 2020 to 2027, the growth rates are impacted majorly due to COVID 19, and hence are estimated separately. Hence, they are not mentioned in the above table.*
*Source: QIIP May 2019 by Bangladesh Bureau of Statistics; Secondary Research and PwC Analysis*

On the other side, the growth rates between 2020 and 2027 are majorly impacted due to COVID 19 outbreak started in 2020. Figure 46 depicted the impacted growth rates for the above industries due to COVID 19 during this period.

*Figure 46: Revised Growth Rates of Industries due to COVID 19 pandemic*

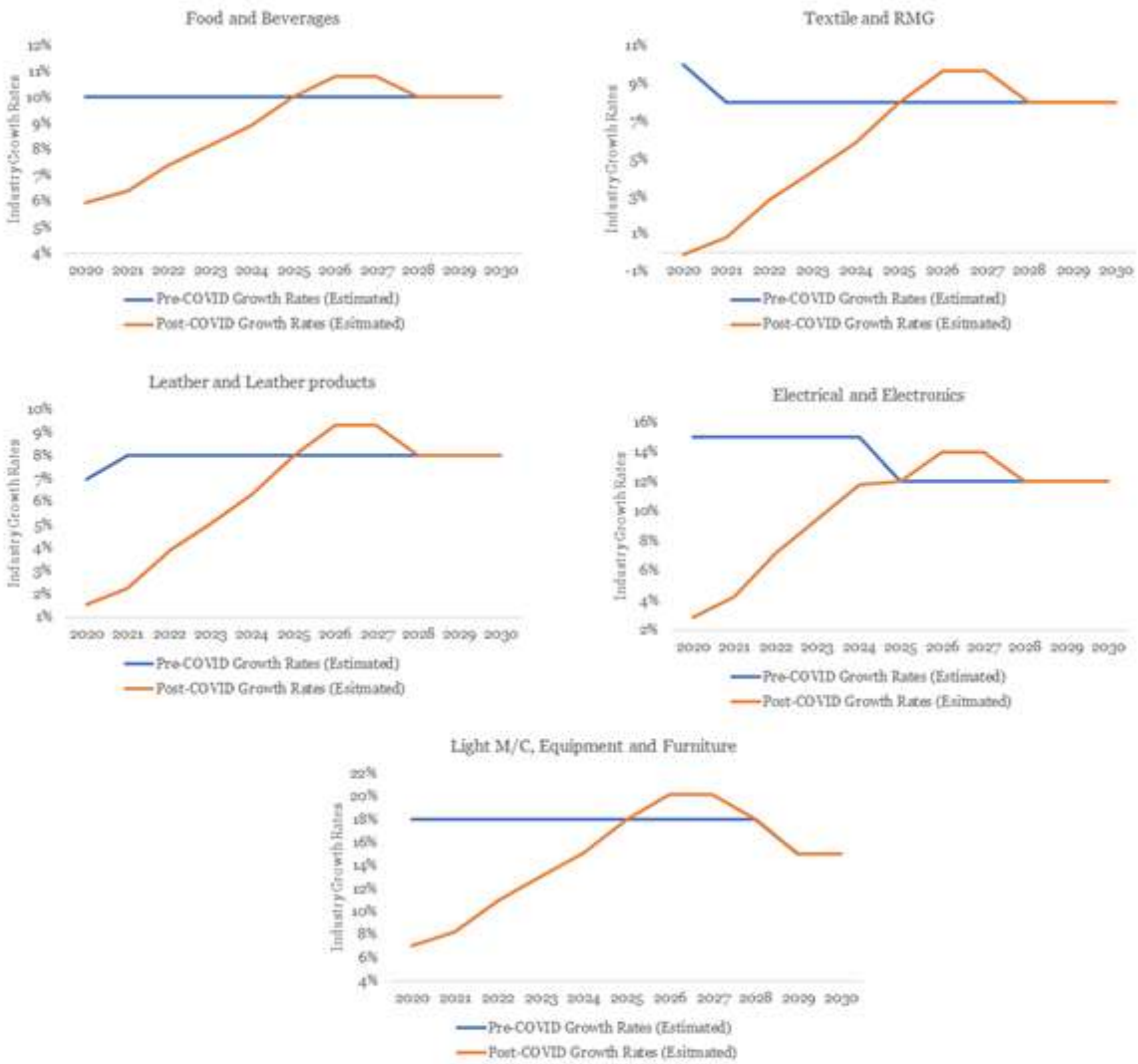
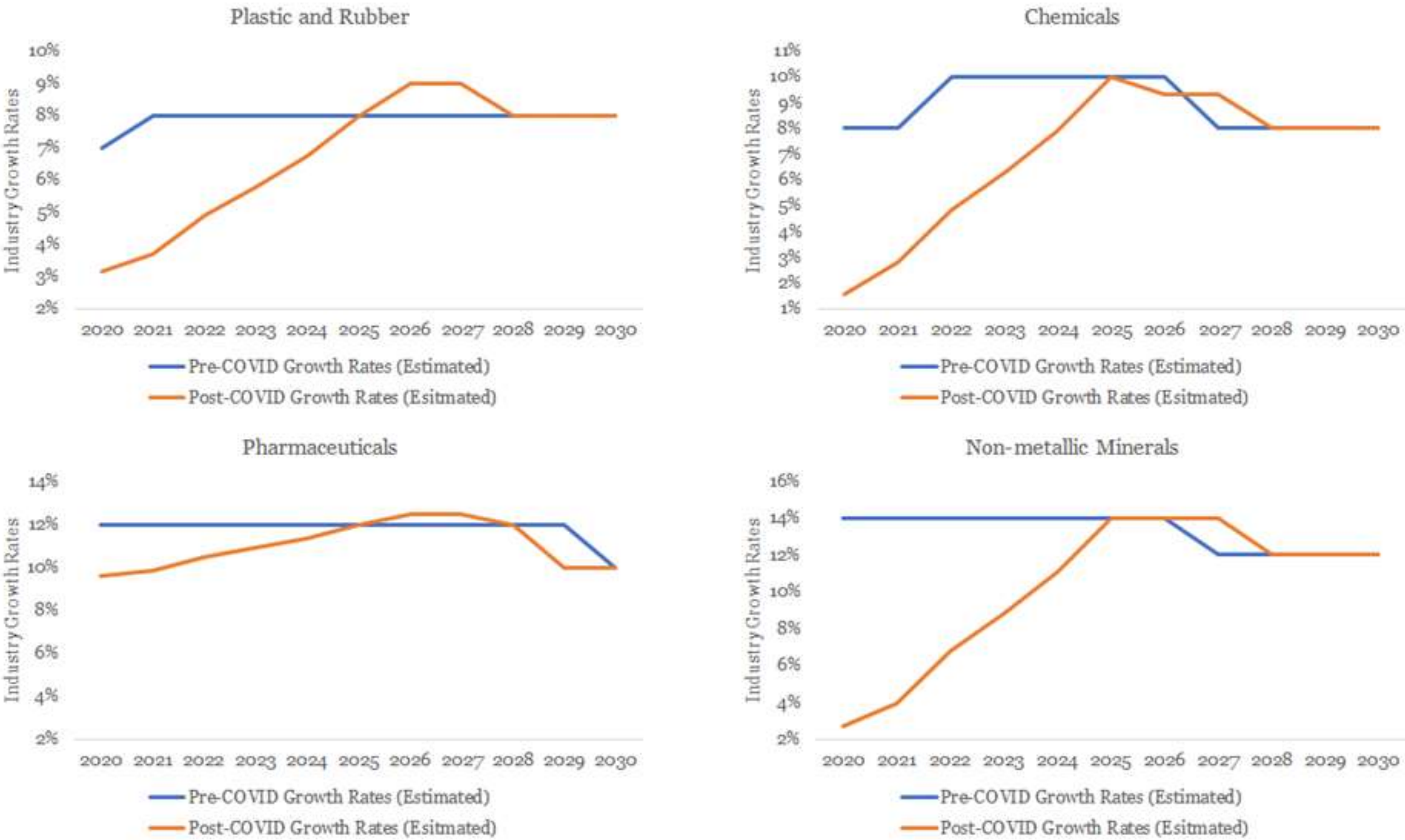


*Figure 47: Revised Growth Rates of Industries due to COVID 19 pandemic*



**The Rationale behind the growth rates:**

Due to the outbreak of COVID 19 pandemic in the country, and across the globe, the industry growth for various industrial sectors is expected to suffer in short term. In order to consider this, each industry is assessed in the perspective of COVID 19 pandemic impact, and revised growth rates are estimated based on the economic forecasts of the World Bank. These industrial growth rates are estimated to dip in the initial years (2020 to 2025), while they are expected to pick up due to low base effect along with possible economic boom for next couple of years. From Figure 46, the dip in growth rates between 2020 to 2025 can be observed, while the expected boom post the dip can also be seen for year 2026 and 2027.

### 4. Assumptions related to investment inflow in the influence area of the proposed EZ in Nawabganj

Out of the total investment forecasted at the country level, certain portion is expected to inflow at the influence area (refer to section 5.5) level for the proposed EZ. A part of this investment inflow is Greenfield in nature (involves setting up of new facilities). Out of the total Greenfield investment estimated at the influence area level, it has been assumed that a certain quantum would take place in the economic zones proposed within this area. Following table captures the assumptions related to investment inflow in economic zones of the influence area for the proposed EZ.

Table 51: Assumptions related to investment inflow in economic zones of Dhaka division

| Details | Conservative | Base | Aggressive |
|---|---|---|---|
| Investment in the EZ influence area as % of the total investment estimated for the country | **16.5%** | **17.0%** | **17.5%** |
| % of Greenfield investment | **49.0%** | **50.0%** | **51.0%** |
| Investment in economic zones (%) out of total Greenfield investment | **24.0%** | **25.0%** | **26.0%** |

*Source: Secondary research and PwC Analysis*

Based on information availed from secondary research and PwC analysis, the districts constituting the influence area of the proposed EZ contributes to ~17.7% of GDP of the country. Thus, investment in this influence area has been assumed as 7% (in base case) of the total investment inflow in the country. Research articles suggest that in developing countries, % of Greenfield investment is ~57.85%.[218] Thus in base case, 50% of Greenfield investment has been assumed.

BEZA has embarked into an ambitious journey of setting up of 100 economic zones across Bangladesh by 2029. In addition, a significant number of these planned EZs are proposed in the Dhaka division. Keeping in cognizance of the same, it has been assumed that in base case, 25% novel investment in economic zones (out of total Greenfield investment) would flow in.

Detailed rationale behind these assumptions are placed as annexure.

### 5. Assumptions related to investment-land intensity and number of establishments

Based on prevailing practices and primary interaction with industries and taking in cognizance similar developments in the geographical context, investment-land intensity ratio (investment per unit land area) for the shortlisted industries have been arrived at. These figures are indicative in nature and may vary depending on the exact stage of value chain and the type of finished goods.

It is very difficult to estimate number of industrial establishments in any economic zone during project conceptualization stage. Synthesizing number of industrial establishment data obtained from Survey of Manufacturing Industries 2012 with the feedback obtained from primary survey, number of industrial

[218] *http://documents.worldbank.org/curated/en/628261468781753575/110510322_20041117173021/additional/325780wps3192.pdf*

establishments per unit acre figures have been arrived at. It has also been taken into consideration that as per prevailing BEZA development guidelines, minimum land plot size is 1 acre.

While calculating the above, it has been assumed that the proposed EZ houses only small, medium, and large-scale industries.[219]

Table 52: Assumptions related to investment-land intensity ratio

| Industrial Sectors | Investment (BDT million) per acre | Area (acre) Requirement for each industrial establishment (small, medium and large) |
|---|---|---|
| Textile & RMG | 35.36 | 2.00 |
| Food & Beverages | 36.76 | 2.00 |
| Leather and Leather products | 48.30 | 2.00 |
| Non-metallic mineral products | 58.82 | 5.00 |
| Pharmaceuticals | 153.13 | 1.00 |
| Electrical and Electronics | 176.13 | 1.00 |
| Chemicals | 223.17 | 1.00 |
| Plastic and Rubber | 111.58 | 1.00 |
| Light Machinery and Equipment & Furniture | 203.25 | 1.00 |

*Source: Secondary research, primary interaction with industries and PwC Analysis*

### 6. Assumptions related to competition from other proposed EZs within influence division

Basis discussion with BEZA officials and data provided in BEZA website, information on the competing manufacturing EZs within the influence area have been gathered. Following table captures information about the same.

Table 53: Competing economic zones within influence division

| Sl. No. | Name of EZ | Location | District | Gross area in acres[220] | Remarks |
|---|---|---|---|---|---|
| 1 | Dhaka SEZ | Keraniganj | Dhaka | 105 | Govt. driven |
| 2 | Dhaka Economic Zone | Dohar | Dhaka | 312 | Govt. driven |
| 3 | Arisha Economic Zone | Keraniganj | Dhaka | 85 | Private |
| 4 | Bashundhara Economic Zone | Keraniganj | Dhaka | 56 | Private |
| 5 | East-West Special Economic Zone | Keraniganj | Dhaka | 54 | Private |

[219] *Definitions of Small, Medium, and Large industries are as per Survey of Manufacturing Industries (2012) published by Bangladesh Bureau of Statistics*

[220] *This indicates the total area of the competing EZs. Details of the same and the occupancy pattern (as per market intelligence and discussion with BEZA officials) are furnished in the annexure*

| Sl. No. | Name of EZ | Location | District | Gross area in acres[220] | Remarks |
|---|---|---|---|---|---|
| 6 | City Special Economic Zone | Demra | Dhaka | 116 | Private |
| 7 | Narayanganj Economic Zone | Narayanganj | Narayanganj | 875 | Govt. driven |
| 8 | Narayanganj EZ Sonargaon | Sonargaon | Narayanganj | 1000 | Govt. driven |
| 9 | Investments opting for other regions in the country & Future competition | - | - | 1171 | Investments in the EZ space can also deviate towards other regions in the country owing to the prosperity of the Dhaka division. In order to factor that in our calculations and to factor the effect of future competitions that may creep up in the form of more EZs in the same influence area, we have assumed that ~45% of the total land of the competing zones will be contributing to lost demand in the form of investments opting for other regions in the country & future competition |

*Source: BEZA website and discussion with BEZA officials*

In line with the above information, industrial space uptake in the competing EZs have been assumed. Details of the same are placed in the annexure. Basis market intelligence and suggestions obtained from various BEZA officials, and realistic development scenarios of these competing EZs, this assumption has been formulated. However, on ground scenario may vary than this assumption.

## 7. Industrial space requirement as % of total land area

In any EZ, a certain proportion is allotted for industrial space. Remaining portion is kept reserved for allied on-site infrastructure (such as internal road connection, water and sewer system, effluent treatment facilities and utility connection) and non-processing zone (such as entrance plaza, social infrastructure, skill development facilities, green space and other amenities). Typically, 65% to 75% of the total land area is earmarked for industrial purposes. In small land parcels, this % is higher and it is lower for large land parcels. Considering the large size of this land parcel (874 acres), it has been assumed that 65% of the total land area would be earmarked for industrial purposes. However, this is tentative and based on development guidelines of BEZA & similar developments worldwide.

## 8. Utility requirements and employment generation

Standard industry benchmarks and excerpts from the primary survey have been referred to arrive at the benchmark figures (per unit area) towards estimation of utility requirements and direct employment generation. It is to be noted that these figures are indicative in nature. These figures may vary during on-ground implementation of the proposed EZ and as per the stage in the value chain for the industry. These figures are also dependent on the production capacity and exact type of finished goods being produced.

Following table captures these benchmark figures.

Table 54: Utility requirements and employment generation- benchmark figures

| Industry sectors | Power requirements (kVA per acre) | Water requirements (Cum per day per acre) | Direct Employment generation (Number per acre) |
|---|---|---|---|
| Textiles and RMG | 185.00 | 60.00 | 142 |
| Food & Beverages | 185.00 | 40.00 | 23 |
| Leather and Leather Products | 125.00 | 70.00 | 54 |
| Plastic and Rubber | 125.00 | 60.00 | 133 |
| Chemicals | 185.00 | 60.00 | 164 |
| Non-Metallic Minerals | 125.00 | 50.00 | 603 |
| Electrical & Electronics | 125.00 | 40.00 | 253 |
| Pharmaceuticals | 145.00 | 60.00 | 149 |
| Light Machinery and Equipment & Furniture | 125.00 | 50.00 | 186 |

*Source: Industry best practices & standard benchmarks, primary survey*

Basis primary survey, most of the industries use gas as fuel source to generate power and for boiler usage. Depending on the value chain requirements and requirements of factors of production, the same would vary. It is very difficult to estimate gas requirements without comprehending the exact requirements and exact product type from these industries. Thus, estimation of gas requirement has not been carried out in this module.

## 6.4. Demand Forecasting

### 6.4.1. Industrial Space Uptake

Based on the above stated assumptions, industrial space occupancy for the three scenarios are captured in the following table.

Table 55: Industrial space occupancy (in %) for the three scenarios (cumulative)

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|---|---|---|---|---|---|---|---|
| Conservative | 1% | 3% | 7% | 13% | 20% | 24% | 28% |
| Base | 2% | 6% | 13% | 21% | 30% | 38% | 44% |
| Aggressive | 4% | 10% | 19% | 30% | 41% | 51% | 60% |

*Source: Statistical projection technique; Demand Forecasting*

Table 56: Industrial space occupancy (in %) for the three scenarios (cumulative)

| Scenarios | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 30% | 37% | 43% | 51% | 56% | 69% | 85% | 100% |
| Base | 49% | 59% | 69% | 81% | 91% | 100% | 100% | 100% |
| Aggressive | 69% | 83% | 96% | 100% | 100% | 100% | 100% | 100% |

*Source: Statistical projection technique; Demand Forecasting*

In the Pre-COVID scenario, our analysis indicated that across the three scenarios (i.e Conservative, Base and Aggressive), it is taking 15, 13 and 11 years respectively for the zone to achieve full occupancy (uptake year starting from 2023). In the post-COVID scenario, the uptake trend has not changed; however due to slowdown in industrial growth has affected the demand of industrial land in the short term, which is evident through the fact that the EZ fails to gain land demand in 2023 (as it did previously) and as a result uptake has been shifted to start from 2024.

Detailed calculations are furnished in the annexure. Following tables elucidates the industrial sector wise industrial space uptake for the three scenarios.

Table 57: Industrial space uptake- Conservative Scenario (figures in acres) - cumulative

| Industries | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 3 | 11 | 25 | 45 | 67 | 83 | 94 | 102 |
| Food & Beverages | 1 | 4 | 8 | 14 | 21 | 27 | 30 | 33 |
| Leather and Leather Products | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| Plastic and Rubber | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Chemicals | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| Non-Metallic Minerals | 1 | 2 | 4 | 7 | 11 | 14 | 16 | 18 |
| Electrical & Electronics | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| Pharmaceuticals | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 5 |
| Light Machinery and Equipment & Furniture | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| **Total** | **6** | **18** | **40** | **72** | **108** | **135** | **153** | **166** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 58: Industrial space uptake- Conservative Scenario (figures in acres) - cumulative

| Industries | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Textiles & RMG | 125 | 144 | 170 | 189 | 230 | 281 | 330 |
| Food & Beverages | 40 | 46 | 55 | 61 | 75 | 92 | 108 |
| Leather and Leather Products | 3 | 4 | 4 | 5 | 6 | 7 | 8 |
| Plastic and Rubber | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Chemicals | 1 | 2 | 2 | 2 | 3 | 3 | 4 |

| Industries | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Non-Metallic Minerals | 22 | 26 | 32 | 36 | 45 | 56 | 67 |
| Electrical & Electronics | 2 | 3 | 3 | 4 | 5 | 6 | 7 |
| Pharmaceuticals | 6 | 7 | 9 | 10 | 12 | 15 | 18 |
| Light Machinery and Equipment & Furniture | 3 | 3 | 4 | 4 | 6 | 7 | 9 |
| **Total** | **205** | **236** | **281** | **312** | **382** | **469** | **554** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 59: Industrial space uptake- Base Scenario (figures in acres) - cumulative

| Industries | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 8 | 21 | 44 | 73 | 103 | 128 | 148 | 166 |
| Food & Beverages | 3 | 7 | 14 | 22 | 33 | 41 | 48 | 54 |
| Leather and Leather Products | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 4 |
| Plastic and Rubber | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| Chemicals | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| Non-Metallic Minerals | 1 | 4 | 7 | 12 | 17 | 22 | 26 | 29 |
| Electrical & Electronics | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 |
| Pharmaceuticals | 0 | 1 | 2 | 4 | 5 | 7 | 8 | 9 |
| Light Machinery and Equipment & Furniture | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 |
| **Total** | **13** | **35** | **71** | **117** | **167** | **208** | **241** | **271** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 60: Industrial space uptake- Base Scenario (figures in acres) - cumulative

| Industries | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Textiles & RMG | 201 | 232 | 271 | 304 | 334 | 334 | 334 |
| Food & Beverages | 65 | 75 | 87 | 98 | 108 | 108 | 108 |
| Leather and Leather Products | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| Plastic and Rubber | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Chemicals | 2 | 3 | 3 | 4 | 4 | 4 | 4 |
| Non-Metallic Minerals | 36 | 42 | 51 | 58 | 65 | 65 | 65 |
| Electrical & Electronics | 4 | 4 | 5 | 6 | 7 | 7 | 7 |
| Pharmaceuticals | 10 | 12 | 14 | 16 | 18 | 18 | 18 |
| Light Machinery and Equipment & Furniture | 4 | 5 | 6 | 7 | 8 | 8 | 8 |
| **Total** | **328** | **380** | **446** | **502** | **554** | **554** | **554** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 61: Industrial space uptake- Aggressive Scenario (figures in acres) - cumulative

| Industries | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 12 | 33 | 64 | 102 | 141 | 175 | 205 | 235 |
| Food & Beverages | 5 | 11 | 20 | 32 | 45 | 56 | 67 | 76 |
| Leather and Leather Products | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 6 |
| Plastic and Rubber | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 |
| Chemicals | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| Non-Metallic Minerals | 2 | 6 | 11 | 17 | 24 | 30 | 35 | 41 |

| Industries | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Electrical & Electronics | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 4 |
| Pharmaceuticals | 1 | 2 | 3 | 5 | 7 | 9 | 11 | 12 |
| Light Machinery and Equipment & Furniture | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 5 |
| **Total** | **21** | **54** | **103** | **164** | **228** | **285** | **335** | **383** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 62: Industrial space uptake- Aggressive Scenario (figures in acres) - cumulative

| Industries | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Textiles & RMG | 281 | 324 | 337 | 337 | 337 | 337 | 337 |
| Food & Beverages | 91 | 105 | 109 | 109 | 109 | 109 | 109 |
| Leather and Leather Products | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| Plastic and Rubber | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Chemicals | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Non-Metallic Minerals | 50 | 60 | 62 | 62 | 62 | 62 | 62 |
| Electrical & Electronics | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| Pharmaceuticals | 14 | 17 | 17 | 17 | 17 | 17 | 17 |
| Light Machinery and Equipment & Furniture | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| **Total** | **460** | **532** | **554** | **554** | **554** | **554** | **554** |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

In accordance to the above estimated land demand, number of industrial establishments (small, medium, and large) has also been estimated. Following table (in the next page) captures the same.

Table 63: Estimation of Industrial Establishments- cumulative

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 3 | 9 | 20 | 36 | 54 | 68 | 76 | 83 |
| Base | 7 | 18 | 35 | 58 | 84 | 104 | 121 | 136 |
| Aggressive | 11 | 27 | 52 | 82 | 115 | 143 | 168 | 192 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 64: Estimation of Industrial Establishments- cumulative

| Scenarios | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Conservative | 102 | 118 | 140 | 156 | 191 | 234 | 277 |
| Base | 164 | 190 | 223 | 250 | 277 | 277 | 277 |
| Aggressive | 230 | 266 | 277 | 277 | 277 | 277 | 277 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

### *6.4.2. Utility Requirements*

In line with the industrial space uptake projections, following tables elaborates the forecasting of utility (power and water) requirements at the proposed EZ.

Table 65: Power Requirements- Three Scenarios (figures in MVA) – cumulative

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 1.01 | 3.10 | 7.03 | 12.60 | 18.98 | 23.61 | 26.68 | 29.00 |
| Base | 2.32 | 6.19 | 12.37 | 20.42 | 29.15 | 36.32 | 42.15 | 47.41 |
| Aggressive | 3.70 | 9.46 | 18.03 | 28.71 | 39.91 | 49.77 | 58.53 | 66.90 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 66: Power Requirements- Three Scenarios (figures in MVA) – cumulative

| Scenarios | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Conservative | 35.73 | 41.24 | 48.89 | 54.40 | 66.40 | 81.44 | 96.14 |
| Base | 57.33 | 66.31 | 77.73 | 87.34 | 96.37 | 96.37 | 96.37 |
| Aggressive | 80.21 | 92.87 | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 67: Water Requirements- Three Scenarios (figures in MLD) – cumulative

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 0.32 | 0.97 | 2.21 | 3.96 | 5.96 | 7.41 | 8.37 | 9.10 |
| Base | 0.72 | 1.94 | 3.88 | 6.41 | 9.15 | 11.39 | 13.21 | 14.87 |
| Aggressive | 1.15 | 2.96 | 5.66 | 9.01 | 12.53 | 15.61 | 18.35 | 20.98 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 68: Water Requirements- Three Scenarios (figures in MLD) – cumulative

| Scenarios | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Conservative | 11.21 | 12.95 | 15.36 | 17.09 | 20.87 | 25.60 | 30.23 |
| Base | 17.99 | 20.82 | 24.41 | 27.44 | 30.28 | 30.28 | 30.28 |
| Aggressive | 25.17 | 29.15 | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

The above stated utility consumption figures were taken at a conception and on basis on primary surveys undertaken among various industry sector players in Bangladesh. Actual demand estimation of utility has been undertaken in the Infrastructure Planning chapter, based on prevailing development guidelines in Bangladesh context.

## 6.4.3. Employment Generation

In line with the industrial space uptake projections, following figure elaborates the forecasting of direct employment generation from the proposed EZ.

Table 69: Direct employment generation for the three scenarios

| Scenarios | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|
| Conservative | 961 | 2981 | 6705 | 12028 | 18140 | 22614 | 25603 | 27929 |
| Base | 2197 | 5951 | 11804 | 19500 | 27859 | 34783 | 40464 | 45736 |
| Aggressive | 3507 | 9097 | 17203 | 27413 | 38152 | 47672 | 56202 | 64594 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Table 70: Direct employment generation for the three scenarios

| Scenarios | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 to 2043 |
|---|---|---|---|---|---|---|---|
| Conservative | 34752 | 40402 | 48326 | 54101 | 66460 | 82071 | 97465 |
| Base | 55795 | 65003 | 76837 | 86913 | 96206 | 96206 | 96206 |
| Aggressive | 78081 | 91055 | 94886 | 94886 | 94886 | 94886 | 94886 |

*Source: Statistical projection technique; Demand Forecasting (kindly ignore the rounding off)*

Detailed calculations are furnished in the annexure.

## 6.5. Key Takeaways

- Three scenarios (conservative, base, and aggressive) have been developed to forecast land demand for the proposed EZ. Base scenario assumes Business-as-Usual situation for the overall economic condition of the country and the influence region; whereas the conservative (aggressive) scenarios assume bad (good) performance of economic and infrastructure indicators in regard to the country and the influence region.

- Previous assumptions related to industrial growth rates has been revised to factor in the effect of the COVID-19 pandemic. The effect of the same has been considered and it is observed that it has affected the land uptake projections. As a result, the time period for the proposed has been deferred as compared to pre-COVID.
- Our analysis indicates that in conservative case, complete land uptake would take place in 15 years. For base and aggressive cases, the same would be spread over 13 years and 11 years respectively in the Post-COVID scenario. In Pre-COVID scenario, the uptake trend across the three scenarios were same; however, the start year for land uptake was 2023 which has now shifted by a year (2024) owing to slowdown of industrial growth due to the pandemic.
- Our analysis indicates that Textiles & RMG and Food & Beverages exhaust most of the industrial land (~80%). Followed by Non-metallic minerals (~12%). Other sectors such as Leather & Leather products, Chemicals, Pharmaceuticals, Light Machinery, Furniture & Equipment, Plastic & Rubber, Electricals & Electronics constitute the rest of the industrial mix (~8%)
- Total number of industrial establishments (small, medium, and large) across Conservative, Base and Aggressive scenario is 277.
- For conservative case, ultimate power and water demand have been estimated as 96.14 MVA and 30.23 MLD; For base case, ultimate power and water demand have been estimated as 96.37 MVA and 30.28 MLD; For aggressive case, ultimate power and water demand have been estimated as 96.60 MVA and 30.56 MLD.
- Proposed EZ is expected to generate direct employment of 97,465 in conservative case. In base and aggressive cases, employment generation figures could be 96,206 and 94,886. These figures are indicative and may vary during implementation.

# 7. Transport Assessment

## 7.1. Purpose and Objective

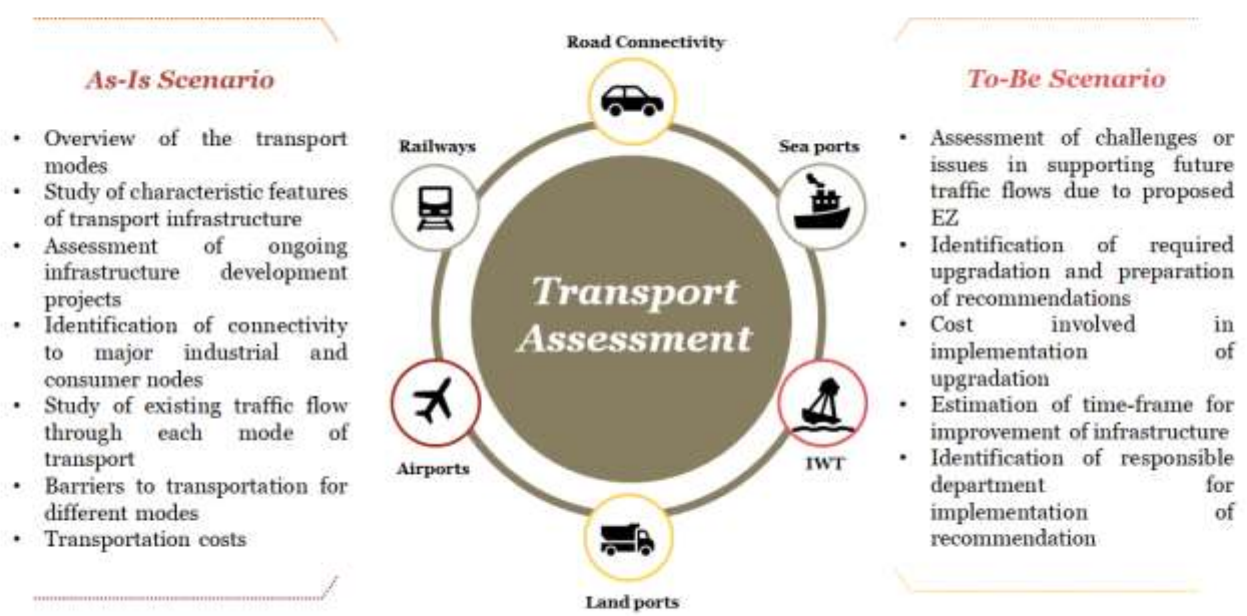
Transport linkages facilitate seamless movement of men and material from origin to destination. An efficient transport infrastructure helps stimulate economic development and drives growth. In an increasingly globalized economy, industrial development of any region needs to be supported by a seamless movement of traffic to ensure resources can be brought in or sent out to domestic centers and major international transit gateways.

The primary objective of this chapter to assess the transport infrastructure available in the vicinity of proposed EZ site and existing connectivity with major international transit points. A comprehensive study of transport infrastructure i.e. road, railway, IWT, port and airport will be performed to understand as-is scenario. The impact of the development of proposed EZ site on all transport modes will be considered and proposals to upgrade the existing transport network in order to support the proposed EZ site will be elucidated.

## 7.2. Methodology of Transport Assessment

The approach adopted to assess transport infrastructure supporting movement of goods and passengers in the vicinity of the proposed EZ site is segregated into 2 modules. 1st module deals with evaluation of the existing status of different modes of transport with respect to its features, connectivity, traffic flow, ongoing projects for upgradation and transportation costs involved. 2nd module contains recommended upgradations of different modes of transport infrastructure to support the future traffic flows due to the proposed EZ, cost implication of such upgradations, timeframe over which the upgradation should take place and the departments responsible for the concerned upgradation.

*Table 71: Transport Assessment Methodology*

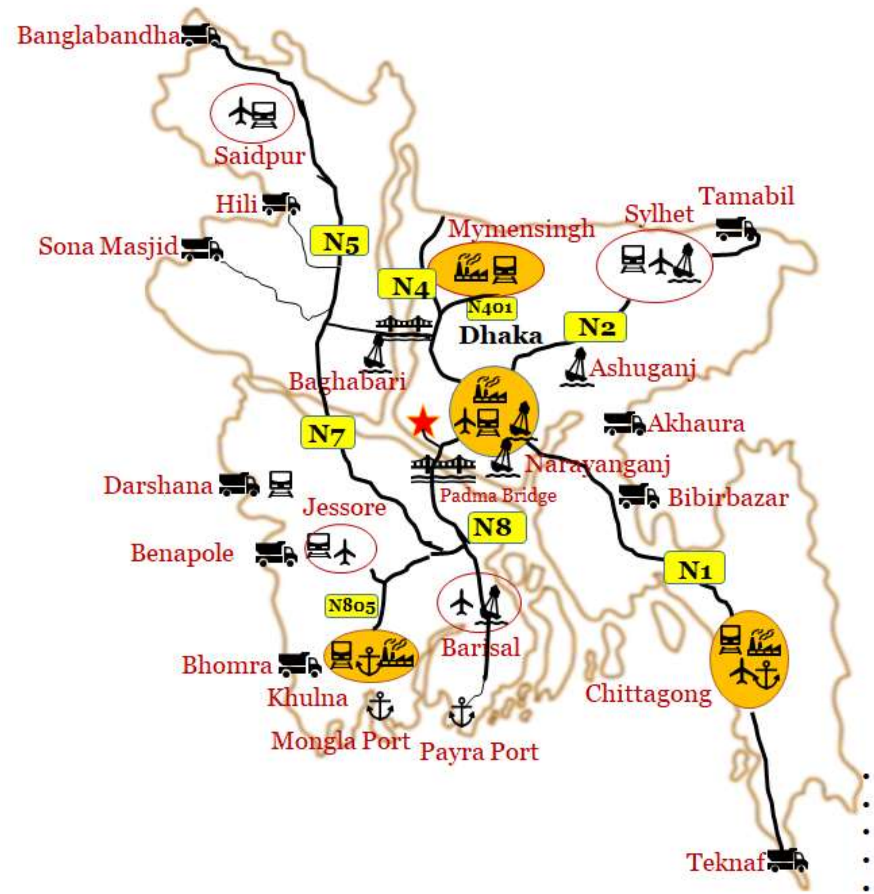



*Source: PwC Analysis*

# 7.3. Review of National Infrastructure with respect to Site

A macro level view of major transport nodes across Bangladesh has been outlined in the figure below –

Figure 48: Bangladesh's major transport nodes with respect to Proposed EZ site




**Legends:**

- Land port
- Airport
- Major IWT Node
- Proposed EZ
- Major Rail Node
- Major National Highway
- Sea Port
- Major Industrial Hub

**Distance from the Major National Infrastructure Nodes:**

| Node | Distance (Km) | Node | Distance (Km) |
|---|---|---|---|
| Dhaka | 39 | Chittagong | 256 |
| Narayanganj | 38 | Gazipur | 54 |
| Akhaura | 148 | Bibirbazar | 122 |
| Mymensingh | 178 | Sylhet | 272 |
| Comilla | 112 | Narsingdi | 81 |

**Major Highways:**

- **N4** – Joydebpur – Jamalpur Highway
- **N8** – Dhaka – Mawa Highway
- **N2** – Dhaka-Sylhet Highway
- **N6** – Dhaka – Rajshahi Highway
- **N5** – Dhaka-Rangpur Highway
- **N1** – Dhaka – Chittagong
- **N401** – Madhupur – Mymensingh Highway
- **N805** – Bhanga – Noapara Highway

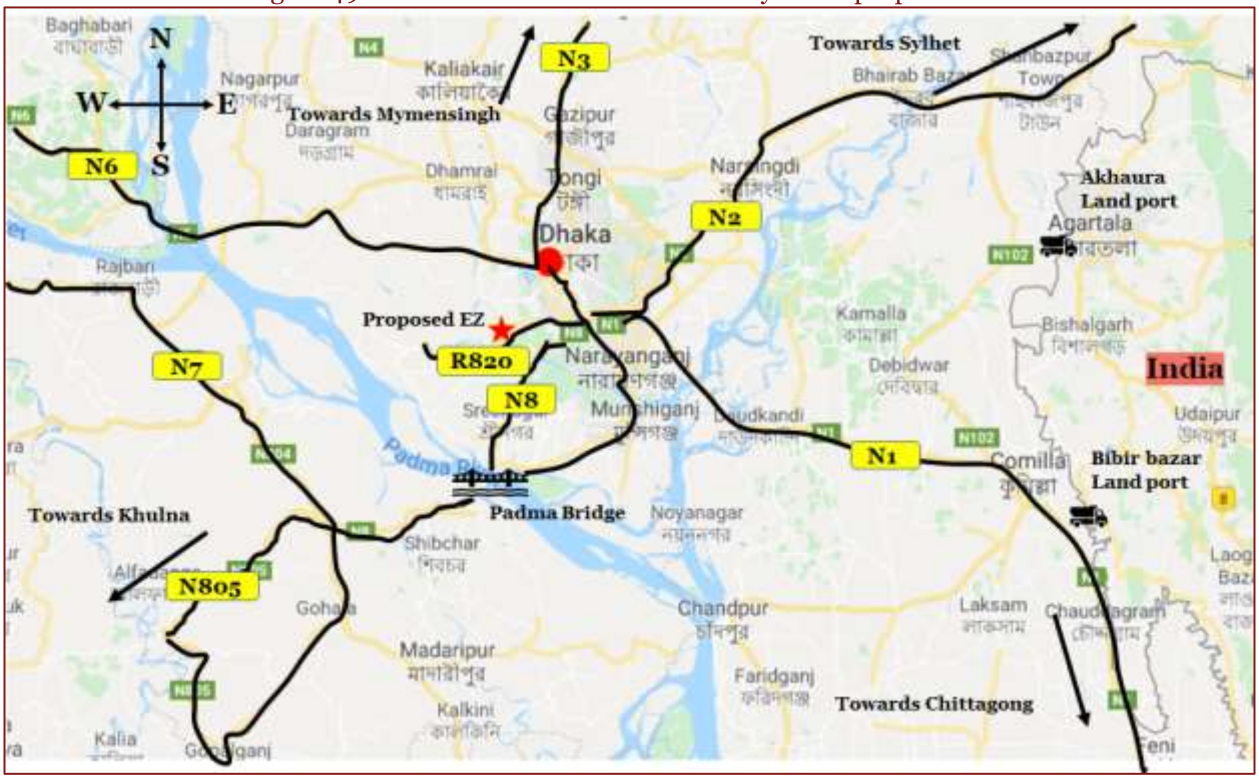
*Source: PwC Analysis*

## 7.3.1. Road Connectivity

Road connectivity is essential to foster last mile connectivity of cargo from source to destination. Good access to roadways shall enable seamless movement of cargo to/ from the proposed EZ to industrial nodes and trade gateways.

Following figure captures the road infrastructure in the vicinity of the project site.

Figure 49: Road infrastructure in the vicinity of the proposed EZ




*Source: Google Map and PwC Analysis*

Above figure elucidates that the proposed EZ is in close proximity to the capital city, Dhaka. It is also located in proximity to the under-construction Padma Bridge. Owing to its strategic location, once Padma Bridge is operational, project site could become a prime location in terms of industrial activities. Thus, domestic market-oriented industries stand a good chance to flourish in the proposed EZ.

### 7.3.1.1. Highways near the proposed EZ

As shown in Figure 50 in the next page, the proposed EZ site is connected to Keraniganj-Nawabganj road (R820) through approximately 450m long earthen road which borders the project site on its south eastern side.

Approximately 450m long earthen road from the Keraniganj-Nawabganj road (R820) connects the south eastern side of the proposed EZ site. Presently, R820 is a two-lane bituminous road maintained by RHD and can support the movement of heavy vehicles and no traffic stagnation takes place on this stretch. R820 has an average width of 5.73 m.[221] Once, the construction and operations commence at the proposed EZ,

[221] *Roads and Highways Department*

the road width could hinder smooth flow of traffic on R820, as it will not be able to support two way traffic of cargo carrying large vehicles, resulting in congestion and increased risk of accident.

Nearest trunk connectivity for this project site is Dhaka-Mawa Highway (N8) which is at a distance of 13 km and is connected to the site via Keraniganj-Nawabganj road (R820) from the project site. N8 connects the project site with Dhaka (39 km), the capital city and Mawa (40 km. It is further connected with 4-lane Dhaka – Chittagong (N1) highway, connecting the proposed EZ with Comilla (112 km), and Chittagong (256 km). This N8 is two-lane black top road with an average width of 7.21m.[222] As per discussion with UNO officials, it was revealed that the existing Dhaka-Mawa highway (N8) is proposed to be augmented from 2-lane to 4-lane. This will further improve the connectivity of the proposed EZ site with Dhaka.

**Vehicular Traffic**

As per data available in Roads and Highways Department (RHD) database, Average Annual Daily Traffic (AADT) for R820 (Keraniganj-Nawabganj road) is 5,715 vehicles, out of which 4854 is motorized, rest is non-motorized.

*Figure 50: Highways near proposed EZ*


*Source: Google Map and PwC Analysis*

Traffic volume in R820 is significantly lower than the traffic volume of busiest road links in the country.

Data from RHD reveals that AADT for N8 is 9,127, out of which 8,104 is motorized and rest is non-motorized. Comparison with busiest road links of Bangladesh indicates that the AADT for N8 is approximately 34% of the AADT of the busiest road links in the country.

As per data available in Roads and Highways Department (RHD) database, Average Annual Daily Traffic (AADT) for N1 is 12,582 vehicles, out of which 11,896 is motorized, rest is non-motorized. The existing Dhaka-Chittagong highway (N1) is proposed to be augmented from 4-lane to 6-lane. This would allow a faster 2-way movement of heavy vehicles, which is essential for transporting construction material, as well as raw material and manufactured goods.

[222] *Roads and Highways Department*

**Present Hindrance and Redressal by GoB**

Conversation with UNO officials of Nawabganj revealed that the existing road would be further widened to 24 feet. Widening of roads would greatly improve upon the already favorable last mile infrastructure. This would allow a faster 2-way movement of heavy vehicles, required for transporting construction material as well as manufactured goods.

In order to ensure smooth flow of traffic, GoB has decided to construct a Dhaka-Chittagong Access Controlled Expressway project to enhance and ensure safer and more reliable road communication between Dhaka and Chittagong which would double the transportation capacity of vehicles, at the same time would also reduce travel time along this corridor.[223] Currently feasibility studies for construction of this Expressway is in progress.

**The proposed EZ site is connected to Regional highway (R820) through approximately 450m long earthen road which provides last mile connecting infrastructure to the proposed EZ site. Last mile connectivity to proposed EZ site is further set to improve, given the road widening plans of RHD.**

### *7.3.1.2. Trunk Connectivity to Dhaka, Narayanganj and Gazipur*

There are three major urban/industrial nodes in vicinity of the proposed EZ site. These are –

- Dhaka
- Narayanganj
- Gazipur

Dhaka city is the capital and largest city of Bangladesh. It is the commercial hub of the country, attracting people from all over Bangladesh, who migrate to Dhaka in search of job and business prospects. Large corporate houses (both domestic and foreign) in Bangladesh have their head-office in Dhaka. Several major industries like textile/ RMG, pharmaceutical, leather, food processing, cement, electrical & electronics, FMCG etc. are located in and around this city.

The proposed EZ is around 39 km from Dhaka city and can be accessed via Keraniganj-Nawabganj road (R802) and Dhaka-Mawa Highway (N8). The travel time to reach Dhaka city from the proposed EZ is 1.4 hours. N8 is 2-lane bituminous road having a width of 7.21 meters, having an AADT of 9,127 vehicles. This road can support movement of heavy vehicles. However, it is post operationalization of Padma Bridge this road could witness a rise in movement of vehicles. Four Laning of Dhaka-Mawa Highway is already under progress in anticipation of increase in traffic flow. This preemptive measure has been undertaken to prevent traffic congestion, which would otherwise occur.

Narayanganj is on the bank of the Shitalakshya river and is the third-largest city of Bangladesh. The port of Narayanganj is an important shipping and industrial center. It is also among the busiest trade markets of the country. Several industries like jute and cotton mills, Machinery and metal products, chemicals, and pulp and pulp products are located in and around the Narayanganj district.

The proposed EZ is around 38 km from Narayanganj and can be accessed via Keraniganj-Nawabganj road (R820) and Dhaka-Mawa highway (N8) and further through Dhaka-Narayanganj regional highway (R810). The travel time to reach Narayanganj from the proposed road is 1.5 hrs. R810 is a 2-lane bituminous road

[223] http://www.pppo.gov.bd/projects-dhaka-chittagong-access-controlled-highway.php

having an average width of 8.36 m having an AADT of 14860 vehicles.[224] This road can support movement of heavy vehicles.

Gazipur is located to the north of capital city, Dhaka. It is a major industrial area. Several industries such as Garments industry, Aluminum factory, Textile mill, Pharmaceutical industry, Cosmetics industry, Machine tools factory, Diesel plant, Security printing press, Ordnance factory, Ceramics factory, Packaging industry, Brick field etc. are located in and around this district.

The proposed EZ is around 54 km from Gazipur district and can be accessed via Keraniganj-Nawabganj road (R820), Mirpur road (N501) and Tongi bypass road (R303) requiring a travel time of 2.5 hours from the site.

**The exiting industries in the above-mentioned areas could serve as prospective local market and source of raw materials for the proposed EZ.**

## *7.3.2. Land Ports*

Bangladesh and India share a border line of 4,096 km, which is the fifth longest border in the world.[225] Such a long land border creates opportunity for mutually beneficial foreign trade. Land ports facilitates trade and commerce between two countries, since they provide secure gateways through which cargo can be transported. Facilities that can be developed at land ports include weighbridges, cargo handling stations, warehouses, Inland Container Depots etc. Currently, India and Bangladesh have 23 land ports to facilitate trade between the two countries.[226]

Under the Bangladesh Sthala Bandar Kartipaksha Act, 2001, the Bangladesh Land Port Authority (BLPA) came into being to facilitate and improve between Bangladesh and neighboring countries. BLPA functions under the Ministry of Shipping.

**Bibirbazar land port** on the south-eastern border of Bangladesh is the nearest land port from the proposed EZ site located at around 122 km in Comilla district, requiring a travel time of 3-3.5 hours. Access to Bibirbazar land port takes place through Dhaka-Chittagong highway (N1) and Keraniganj-Nawabganj road (R820). It started its operations in April 23, 2009. It has a total handling capacity of 0.5 million MT and storage capacity of 500 MT, spread over an area of 10 acre.[227] This land port has good infrastructure facilities with 1 warehouse, 1 open stack yard, administrative building etc. The major items of import and export through this port has been listed in table below.

Table 72: Types of goods being traded through Bibirbazar Land Port

| | |
|---|---|
| **Major imports** | Spices, sanitary ware, leather, machinery, fabric, fruit etc. |
| **Major exports** | Crashed stone, cement, drinks, PVC, furniture, knit fabrics, plastic door, ceramic tiles, cotton saree, plastic goods etc. |

*Source: Data from Bangladesh Land Port Authority Website*

The following table depicts the quantity of exports and imports through Bibirbazar land port.

[224] *Road Maintenance and Management System*
[225] *http://www.thehindu.com/news/national/half-of-indiabangladesh-border-fenced/article17396794.ece*
[226] *Bangladesh Land Port Authority*
[227] *Bangladesh Land Port Authority*

*Table 73: Export and Import through Bibirbazar land Port (in MT)*

| Year | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|
| Export | 124,689 | 63,596 | 113,768 | 108,915 | 135,320 | 158,331 | 170,458 |
| Import | 0 | 24 | 28 | 231 | 455 | 317 | 479 |

*Source: BLPA*

The above table indicates that the cargo exports and imports have increased over the years. Industries coming up within the EZ could source the raw materials and export the finished goods by leveraging this land port to India and other landlocked regions.

**Akhaura land port** is another port on the Eastern border of Bangladesh, which is located at a distance of 148 km from the proposed EZ site, requiring a travel time of 5 hours. It has a capacity to handle 0.5 million Metric Tonnes (MT) of goods per year. Access to Akhaura takes place through via Tarabo-Demraghat Road (R201) followed Dhaka-Demra road (R110) onto Keraniganj-Nawabganj road (R820). As per Bangladesh Land Port Authority (BLPA), this port has a handling capacity of 500,000 MT per annum, and storage capacity of 2,000 MT. Currently there are no mechanized goods handling facility available at this port, and goods are handled manually. The major items of import and export through this port has been listed in table below.

*Table 74: Types of goods being traded through Akhaura land port*

| | |
|---|---|
| **Major imports** | Bamboo, Turmeric, Watch, Ginger, Marble slabs, Fruits etc. |
| **Major exports** | Processed stone, Bricks, Tiles, Fish, Cement, Battery etc. |

*Source: Data from Bangladesh Land Port Authority Website*

The items of trade enlisted in the tables above, indicate that presently heavy machineries or industrial goods are not traded between Bangladesh and India through this port. This reveals that regional economy in vicinity of the land port for both Bangladesh and India are non-industrialized and majorly dependent on agriculture and light engineering. However, with growing urbanization, this region could witness a rise in demand for industrial goods and heavy machinery. Industries that would operate in the proposed EZ could cater to various consumer demand in the region and source raw materials by leveraging this land port. The following table depicts the quantity of exports and imports through Akhaura land port.

*Table 75: Export and Import through Akhaura land Port (in MT)*

| Year | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|
| Export | 372,381 | 278,377 | 635,547 | 568,480 | 214,755 | 201,580 | 209,962 |
| Import | 60 | 251 | 60 | 11 | 2 | 60 | 99 |

*Source: BLPA*

Bibirbazar and Akhaura land ports are at considerable distances from the proposed EZ making transfer of raw materials or finished goods alike difficult to be transported to India, one of the major trade partners of Bangladesh. But given the better connectivity to them via network of roads, this challenge can be overcome, and these land ports can be accessed competitively by factories in the proposed economic zone.

**Present Hindrance and Redressal by GoB**

Currently, cargo is being handled manually at the land ports. This results in slower clearance of goods that are transported out of and into the ports, resulting in delays and congestion at the ports. As per our discussions with Bangladesh Land Port Authority, mechanized cargo handling facilities are only available at Benapole Land Port, located 294 km away from the EZ site.

An issue faced by at Bibirbazar Land port initially was that the Indian authorities had not issued pass for loaded trucks and visible progress for the same was not visible. The highways connecting various industrial hubs to these land ports are being developed further. Works for the same has already begun in intermittent stretches. This will improve the flow of goods and raw materials to and from the proposed EZ to the land ports.

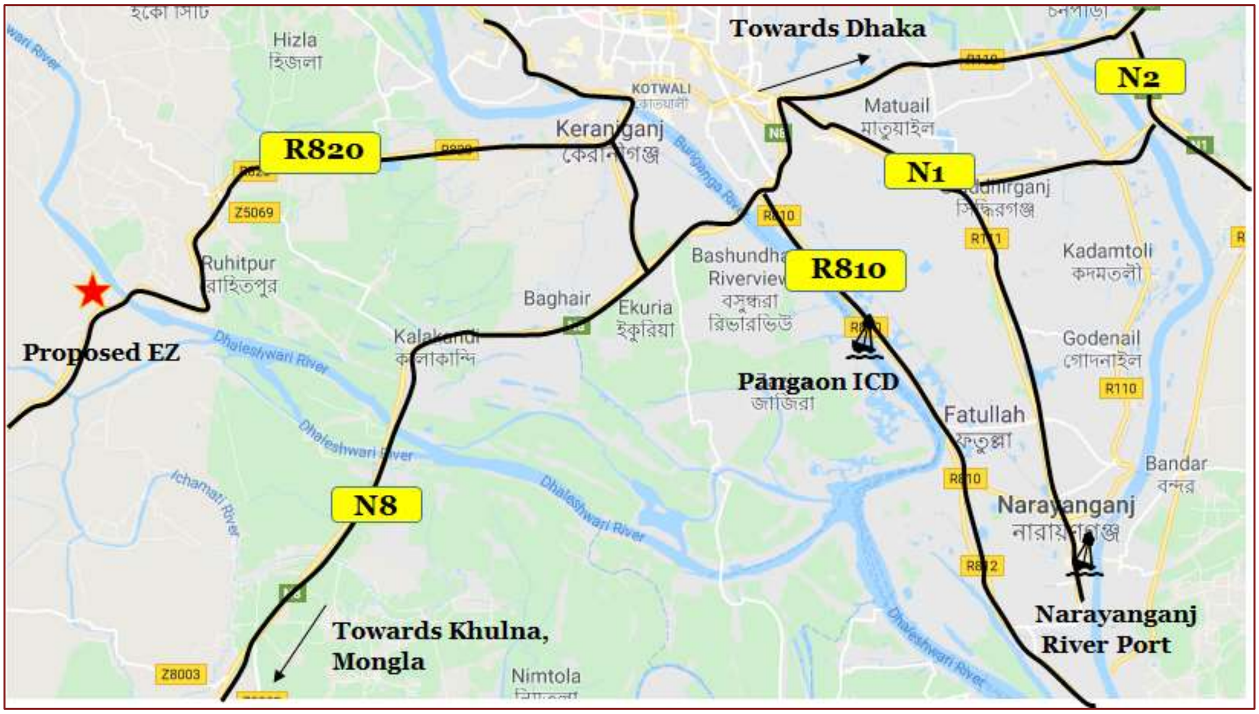
**Good access to land ports shall ascertain trade relationship with India, in particular North East India; Industries in the EZ can tap into Indian markets for their end products and have access to raw materials from the Indian side.**

### *7.3.3. Sea Ports and Inland Water Terminals*

Waterway transport is one of the most fuel efficient, environment friendly and cheapest mode of transportation. Cost of transporting one ton freight over a distance of one km by waterway is ~30-40% and 60-70% of the same transport done via road and rail respectively.[228] Bangladesh is blessed with a riverine geography, especially towards its south, where distributaries of large rivers like Padma and Meghna drain the region. There are around 700 rivers, streams and canals with a total length of about 24,000 km. The navigable length of waterway varies from 3865 km in dry season to 5923 km in monsoon. This creates a fairly widespread inland waterways network, creating an opportunity for Inland waterways transportation. Bangladesh also has a coastline of 580 km which creates good potential for sea trade with other countries. Currently, more than 75% of international trade in Bangladesh is done via seaports. This makes it vital to understand potential of waterways connectivity to support transportation in the proposed EZ region.

[228] *https://www.thehindubusinessline.com/opinion/flowing-down-the-waterways/article23384237.ece*

*Table 76: Inland waterway Terminals near the proposed EZ*




*Source: Google Maps and PwC Research*

Pangaon river port is the nearest river port which is located at a distance of approximately 32 km from the proposed EZ. It is an inland port and container terminal on the Buriganga River in Dhaka District. It serves as the cargo port for Dhaka. This river port at Pangaon has a storage capacity of 3,500 TEU and handles 116,000 TEU annually.[229] Approach to Pangaon river port takes place via Dhaka-Mawa highway (N8) followed by Dharmasur-Sonakanda road and then onto Keraniganj-Nawabganj road (R820). Travel time from the proposed EZ to Pangaon river port is around 1.5 hours. The following table captures the types of commodities handled at Pangaon port.

Table 77: Types of commodities handled at Pangaon port

| | |
|---|---|
| Major goods handled | Brick, Sand, Stones, Construction materials, food grains |

*Source: BIWTA, Primary Research*

The passenger and cargo carried at the port is shown in the tables below:

*Table 78: Passenger and Cargo carried at Pangaon River Port (in lacs)*

| Year | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|---|---|
| Passengers carried | 608.90 | 621.08 | 684.26 | 659.69 | 663.45 | 669.99 | 673.08 | 713.46 | 714.03 |

[229] http://pict.gov.bd/

| Year | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|---|---|
| Cargo carried | 34.77 | 36.86 | 39.07 | 41.41 | 43.89 | 46.52 | 49.13 | 52.08 | 55.73 |

*Source: BIWTA*

Narayanganj river port is at a distance of 38 km from the proposed EZ which is on the Shitalakshya river. This river port in Narayanganj is one of the oldest and busiest ports in Bangladesh. Access through this port is via Dhaka-Demra road (R110) onto Keraniganj-Nawabganj road (R820) which requires a travel time of 1.5 hours. The port is located on the Shitalakshya River. It is linked with Dhaka by the Bangladesh Railway and three roads. Narayanganj river port also has a fuel depot at Godnail. Loading and discharge operations at the port are undertaken by outsourced labor which is available within the port premises. The port has a total handling capacity of 55.5 MT/month (Bulk) and 12.5 Cargo MT/month (General).[230] This labor is unorganized unlike at the major seaports where there is a regulatory authority in the form of Dock Labor Management Board. The approximate travel time required to reach the river port from the proposed EZ is around 2.25 hours. The following table captures the types of commodities handled at Narayanganj port.

Table 79: Types of commodities handled at Narayanganj river port

| | |
|---|---|
| Major goods handled | Jute, Timber, Salt, Textiles, Oil, Cotton, Tobacco, Pottery, Seeds, Betel nut, Cement, Clinker, Fly ash, Sand, Stones, Food Grains |

*Source: BIWTA, Primary Research*

The passenger and cargo carried at the port is shown in the tables below:

*Table 80: Passenger and Cargo carried at Narayanganj River Port (in lacs)*

| Year | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---|---|---|---|---|---|---|---|---|
| Passengers carried | 302.90 | 315.26 | 320.06 | 327.49 | 342.49 | 359.10 | 377.06 | 395.51 | 396.13 |
| Cargo carried | 8.80 | 9.60 | 9.78 | 10.37 | 10.99 | 11.65 | 12.35 | 13.09 | 44.06 |

*Source: PwC Research*

The passenger and cargo carried at this river port has increased significantly over the years. This will further attract business to use the facilities and services of the port.

**Proposed EZ is located close to Pangaon and Narayanganj Ports. This proximity should encourage manufacturers to set up export-oriented industries in the proposed EZ.**

### Protocol on Inland Water Transit and Trade

India and Bangladesh have an existing Indo-Bangladesh Protocol on Inland Waterways and Transit which allows for using inland waterways network between the two countries for the purpose of trade and commerce. As per Standard Operating Procedure of the existing protocol, both countries have six ports each, designated as the Port of Call. In Bangladesh, the Ports of Call are Mongla, Khulna, Sirajganj,

[230] *https://dlca.logcluster.org › download › attachments*

Narayanganj, Pangaon (in Dhaka) and Ashuganj, whereas in India the Ports of call are Kolkata, Haldia, Pandu, Karimganj, Silghat and Farakka.[231]

Figure 51 captures the route earmarked under the Protocol on Inland Water Transit and Trade between India and Bangladesh.

Figure 51: India Bangladesh Inland Waterways Route


*Source: Source: Bangladesh Inland Waterways Authority*

The India Bangladesh Protocol (IBP) route extends from Kolkata on India's National Waterway-1 (Ganges-Bhagirathi-Hooghly) to Silghat (Assam) on its National Waterway-2 (Brahmaputra River) and Karimganj (Assam) on National Waterway-16 (Barak River). Two new routes have been proposed in developing two stretches of Bangladesh inland waterways — Sirajganj to Daikhowa and Ashuganj to Zakiganj — on the IBP route. The development of these stretches is expected to provide seamless navigation to and from Northeast India through waterways via the IBP route. [232] India and Bangladesh have taken major steps to enhance utilization of waterways. These include agreement on declaration of additional Ports of Call under PIWTT at Kolaghat, Dhulian, Maia and Sonamura in India, and Chilmari, Rajshahi, Sultanganj and Daukhandi in Bangladesh. This IWT route can be used by industries in the proposed EZ to transport cargo across Bangladesh and also to India leveraging the proximity to Pangaon and Narayanganj river ports.

[231] https://economictimes.indiatimes.com/topic/PIWTT
[232] https://www.dhakatribune.com/bangladesh/government-affairs/2019/11/05/bangladesh-india-herald-new-chapter-in-river-route-cargo-trade

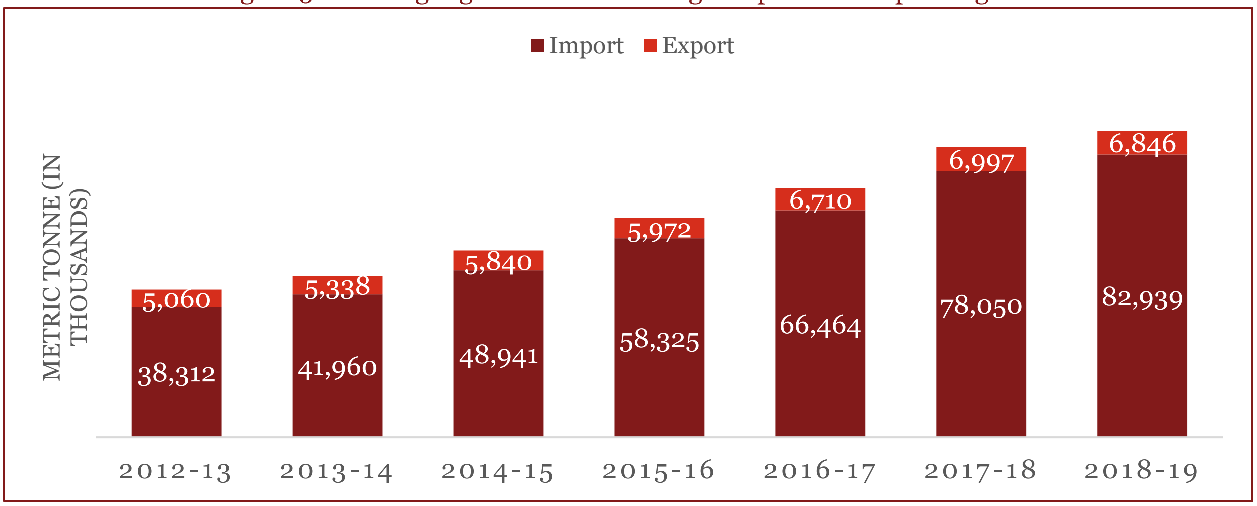
### Access to Sea Port

Chittagong Sea port is the nearest seaport which is located approximately 256 km from the proposed EZ. This port is accessible via Keraniganj-Nawabganj road (R820) and Dhaka-Chittagong highway (N1). This seaport is the most important trade-facilitating infrastructure in Bangladesh. The fact that on an average 81.22% of Bangladesh's international trade takes place through Chittagong Port underlines the strategic importance of this seaport.[233]

Chittagong has all major logistics infrastructure available like weighbridges, railway wagons for container transport, railway terminal, container freight stations, dredgers, tugboats and specialized berths for handling POL, grains, cement, urea, ammonia, containers, general cargo etc.

Given the commercial importance of this port, infrastructure at Chittagong port is well developed. Figure below captures the quantum of cargo handled at Chittagong Port over the past 7 years.

Figure 52: Chittagong Port – Annual cargo Import and Export Figures




*Source: Chittagong Port Authority*

Figure above elucidates that volume of cargo being imported through Chittagong Port is far higher that export figures and imports have more than doubled over the past 7 years. This highlights the need to boost local manufacturing in Bangladesh. However, the rising trend of import and exports indicates that the economy of Bangladesh is growing and with development of industrial infrastructure in Bangladesh, export figures could get an impetus.

### Present Hindrance and Redressal by GoB

Draft constraints at Chittagong Port prevents sea faring mother ships from reaching the port directly. Available draft of 6-7 meters necessitates the use of feeder vessels to transport goods till the jetty, resulting in multiple cargo handling.[234] Rising traffic at the port has resulted in congestion, which can delay berthing of ships by 6 to 7 days.[235] Existing infrastructure at the port is inadequate in terms of handling rising cargo movement with gantry cranes experiencing frequent breakdowns.

In order to address these bottlenecks, Chittagong Port Authority (CPA) has undertaken a dredging exercise to increase the draft at Chittagong Port. It is also in the process of installing new gantry cranes to enable faster movement of goods. Additionally, to meet the increasing bulk cargo & container volumes and to

[233] *http://www.cpa.gov.bd/*
[234] *https://www.joc.com/port-news/asian-ports/congestion-paralyzes-chittagong-port_20170719.html*
[235] *https://www.joc.com/port-news/asian-ports/asia-port-congestion-tests-supply-chains_20180514.html*

improve performance of port operations, and in a bid to strengthen the country's trade handling infrastructure, GoB has prioritized the establishment of a dedicated facility called the Bay Terminal that would assist in easing the pressure on Chittagong Port.

Bay terminal would accommodate larger vessels and with improved quality of services and adequate facilities, it would decrease the pressure on the Chittagong port. The new terminal is expected to be properly designed with adequate parking facilities to avoid any vehicle related congestion issues; planned delivery yards (for long-haul traffic) to prevent any interference with in-port movement & establish better control on internal traffic. The storage yard capacities will be designed keeping in mind the surplus volumes expected in future & will thus reduce the need for any sort of direct vessel feeding at Chittagong port.

Chittagong Port Authority has envisaged to develop a new port in Mirsarai to enable direct sea connectivity to the upcoming Bangabandhu Sheikh Mujib Shilpa Nagar which is a flag ship project of BEZA spread over an area of ~30,000 acres. As per studies conducted in this respect, there is approx. 8.5 m of draft available in this part of the sea channel. Currently, this project is in conceptualization and planning stage.

**Once the proposed projects are operationalized, it would provide transit gateways to manufacturers from the proposed EZ to meet their sea trade requirements.**

### *7.3.4. Airports*

Air travel is the fastest mode of travel, which enables movement of passengers as well as time sensitive and perishable cargo. Having such a mode of transport in vicinity of an industrial location enables faster movement of decision makers of an organization who may have a need of making brief visits to production centers. Perishable items like drugs, chemicals or food ingredients like dairy products, fish, fruits requiring short travel time from centers of production to that of consumption also need access to air travel. This necessitates the need to understand air travel facilities around the proposed EZ region.

Nearest international airport to the proposed EZ is Hazrat Shah Jalal International Airport (HSIA) in Dhaka. This airport is around 39 km away from EZ site and requires around 2 hours of travel time. The airport can be accessed via Keraniganj-Nawabganj road (R820). Currently, this airport has the capacity to handle 8 million passengers and 2 hundred thousand metric tonnes of cargo. Over 4 million international and 1 million domestic passengers (as well as 150,000 MT of freight and mail exchange) pass through this airport annually. HSIA is anticipated to witness a passenger traffic of 12 million by 2022 and 22 million by 2035.[236] This airport also has a freight village (warehouse), terminal buildings, hangers and other modern equipment for aircraft handling.[237] Goods like RMG, vegetables, fruits, fish, dry fish and crabs are transported through HSIA.

**Present Hindrance and Redressal by GoB**

Air freight transportation services are used for EXIM cargo movement only with Dhaka international airport providing facilities for cargo handling. Most of the major international airline operators such as Emirates, Etihad Airways, HK airlines, Cathay Pacific, Qatar Airways are servicing the air cargo freight movement through a mix of passenger aircrafts and dedicated freighters. Biman Bangladesh is the Bangladesh Government owned airline facilitating cargo movement to Middle East region. The cargo handling operations at the Dhaka airport are also managed by Biman Bangladesh exclusively. The international airlines have reported significant gaps in the cargo operation as Biman Bangladesh lacks expertise, assets and manpower to run the operations efficiently. In fact, the operator is yet to develop expertise to track and trace the goods unloaded from aircrafts. Further, there is no separate procedure for

[236] *https://www.airport-technology.com/projects/hazrat-shahjalal-international-airport-expansion-dhaka/*
[237] *http://www.shahjalalairport.com/*

handling of perishable and temperature sensitive cargo. The industry players station their representatives to follow-up with Biman Bangladesh once the cargo is unloaded in Dhaka. Biman Bangladesh cites shortage of infrastructure at airport as the main reason for mismanagement of cargo. Owing to lack of necessary infrastructure for screening of cargo, Dhaka international airport does not have the statutory clearance for shipment directly to Europe. The Europe bound cargo is first unloaded in Dubai/other hubs for re-scanning and clearance, then forwarded to Europe. This adds to extra cost and time for industries exporting to Europe.

Given the current capacity of the airport, GoB has already appointed developers to construct a new terminal at HSIA. This project is being funded by Japan International Cooperation Agency (JICA) and post operationalization of this terminal in 2021, annual passenger handling capacity of this airport could be 20 million and cargo handling capacity could rise to 5 hundred thousand metric tonnes.[238]

In order to meet the continuously rising air traffic in Bangladesh. GoB has also planned construction of two Greenfield airports. These airports are –

i. Khan Jahan Ali Airport in Bagerhat (~247 km from proposed EZ site)

ii. Bangabandhu Sheikh Mujib International Airport near Dhaka (location to be finalized) – however, as learnt from CAAB, this project might not be taken up

Good access to airports will allow industries manufacturing time sensitive goods, like RMG or designer clothes and requiring perishable products like fruits or chemicals, to be developed in the proposed EZ.

**Proposed EZ is in close proximity to Hazrat Shahjalal International Airport which facilitates smooth movement of perishable and time sensitive goods from the EZ.**

## *7.3.5. Railways*

It is cheaper to move goods through railways as compared to road. Railways can haul larger volumes of cargo over longer distances as compared to trucks and trailers, and is also better than vehicles plying on road, since it is easier to monitor and regulate traffic on railway lines. Moreover, transporting goods through railways also help in easing traffic congestions on road by reducing the requirement of trucks which would otherwise have to ply. However, the usage of railways in Bangladesh is currently restricted due to small size of consignments and the additional costs associated with multiple handling points in the value chain. This has deterred players from opting for rail wagon bookings for their inventory management.

Kamalapur railway station is the nearest junction station, which is approximately 23 km from the proposed EZ. It can be accessed via Keraniganj-Nawabganj road (R820). Travel time to Dhaka Kamalapur railway station from the proposed EZ is around 1.5 hours. This station is the largest station in the country and the most important terminal for transportation between Dhaka and rest of Bangladesh. Currently containers are transported only on Dhaka and Chittagong rail route, requiring a travel time of around 10 hours. In FY 2017-18, 73,204 number of containers were transported between Dhaka and Chittagong.[239] As per Bangladesh Railway Information Book, major items transported on this route are Cement, Jute, Fertilizer, Rice, Wheat, Iron & Steel, Sugar cane etc.

**Industries requiring large quantum of input or producing large quantum of goods could leverage this railway station for transportation of such goods**.

**Present Hindrance and Redressal by GoB**

[238] *http://www.dhakatribune.com/bangladesh/dhaka/2017/06/12/construction-third-airport-terminal-begins-next-year/*
[239] *Bangladesh Railway – Information Book 2018*

The main issues faced by the Railways in Bangladesh are shortage of locomotives and route capacity. It is suffering of an excess of traffic in comparison with the capacity of the main routes. The overcapacity of the rail network limits the capacity addition of ICD. In case of domestic movement, the use of rail service is negligible due to inadequate broad-gauge network and poor terminal handling facilities. The rail freight services market is not open for private participation, further restricting the development of adequate infrastructure. There are no cargo aggregators present to aid the industries in using the rail services for domestic transportation.

Bangladesh railways is addressing the infrastructure constraints to improve the capacity and increase the modal share of rail in EXIM evacuation by privatizing the CTO operations to improve rail services. The Government of Bangladesh has taken a huge development program for 2020-21 fiscal year to upgrade Bangladesh railway network. As per the budget document, construction of 900 kms dual gauge double track and 1,581 kms new rail track will be completed within this fiscal year.[240] To cater the rapid growth of containerized traffic the Government of Bangladesh has envisaged to construct a New Inland Container Depot (ICD) near Dhirasram railway station in the outskirts of Dhaka city.[241] The handling capacity of the proposed ICD is 354,000 TEUs. The ICD will be developed on approximately 55 ha of land and with railway spur of 6 km connecting the ICD with the national railway network on around 26 ha land.[242]

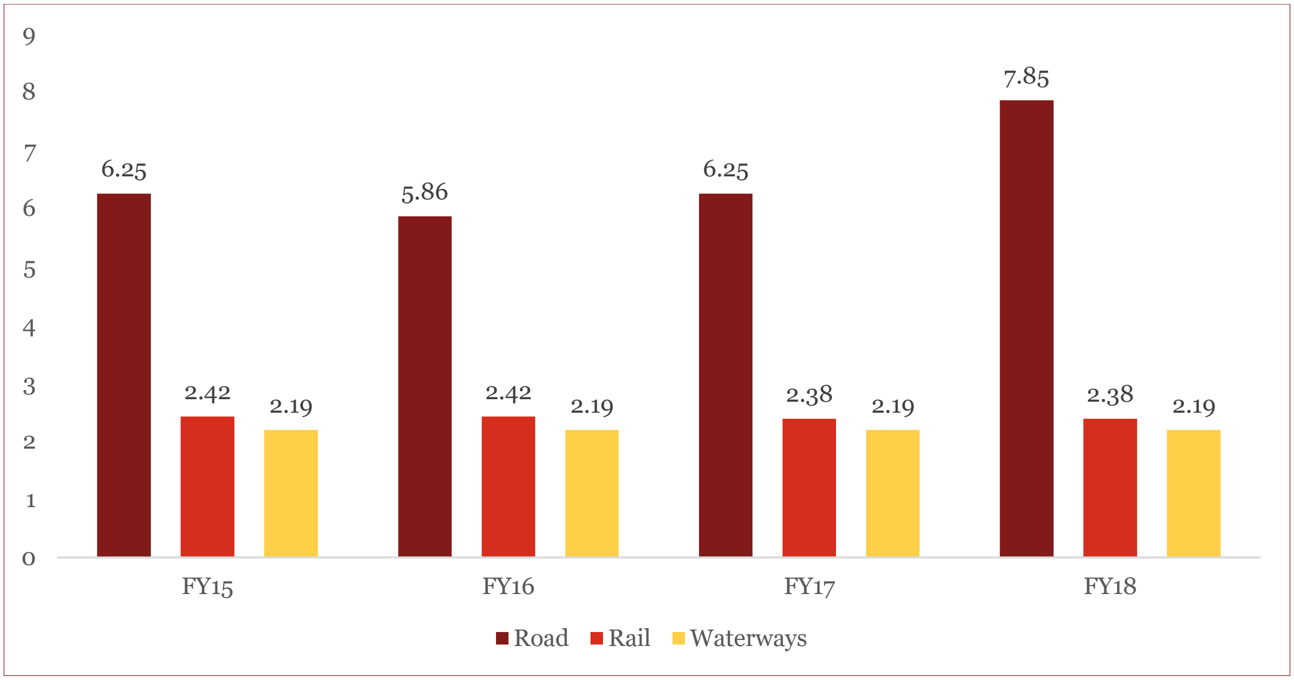
The upcoming infrastructure projects in the country will enhance the railway network for the transportation of raw materials/end products.

## *7.4. Rate of Freight for Different Modes of Transport*

In order to perform a holistic transport assessment, it is imperative to understand the freight charges applicable for different modes of transportation. This would help in assessing the most economical mode of cargo transport for the proposed EZ site and also assist in determining the interventions that could be taken up by GoB to further improve the transport logistics infrastructure in the vicinity of the Economic Zone site.

[240] https://www.dhakatribune.com/bangladesh/2020/07/04/railways-development-comes-into-focus-in-fy21
[241] https://thefinancialexpress.com.bd/national/now-br-to-build-dhirasram-icd-with-govt-funds-1584074051
[242] https://www.pppo.gov.bd/projects-new-inland-container-depot-icd-at-dhirasram.php

*Figure 53: Freight per ton per km across different transit modes*




*Source: Bangladesh Bureau of Statistics 2018*

The figure above indicates that freight transport through inland waterways has been the most economical mode of transporting goods, in Bangladesh. However, cost of transporting goods through road has shown an increasing trend over the past years due to rising demand from manufacturers and traders.

Data presented in the figure elucidates that it is cheaper to transport goods through waterways for longer distances and can then be transported via roadways to provide last mile delivery.

The high preference to the road-based logistics in the country compared to the other modes of transport is mainly because of following reasons:

- The total cost of logistics from one location to another via rail as well as IWT include the cost of first mile transport, cost of cargo loading into the vessel/rail, cost of transporting cargo to the nearest station close to destination via rail/IWT, cargo unloading from the vessel/rail, and last mile delivery via road transport. It may be noted that, the total cost for road-based logistics doesn't include all the above-mentioned parameters, and includes only cost of cargo loading, unloading and transportation cost. This makes road-based logistics cheaper compared to rail and IWT modes over short haul distances, while over long-haul distances, IWT and rail transport becomes less costly due to less transportation cost per km. As Bangladesh is a small country with cargo movement ranging few hundred km, the road transport is preferred over rail and IWT mode.
- Bangladesh has inadequate infrastructure for rail and IWT based logistics. As discussed previously, most of the rail routes in the country are meter gauge limiting the cargo transportation capacity. Additionally, the capacities of ICDs are limited which are further challenged by the inefficient operations in handling cargo. Consistent draft is major challenge across various IWT routes in the country, and IWT operations are also limited by limited number of barges, and inefficient handling of cargo at riverports.

- The rail and IWT transport are further challenged by lack of private sector participation. On the other side, road-based logistics involves significant participation from private sector, and hence it is bit more efficient compared to the rail and IWT based transport in Bangladesh. However, Bangladesh railways is addressing the infrastructure constraints to improve the capacity and increase the modal share of rail in EXIM evacuation by privatizing the CTO operations.

## *7.5. Potential Infrastructure Interventions to Support Proposed EZ*

Proposed EZ site at Nawabganj has an advantage of being located in proximity to capital city, Dhaka which is located at a distance of 39 km from the site. While the EZ site is well connected through multiple modes of transport (road, rail, air and ports) there could be a few additional improvements needed to be undertaken by GoB to improve the attractiveness of the EZ site with respect to transport infrastructure. This could include and not be limited to the following table on the next page.

**Logistics cost assessment exercise has been carried out to understand the most important connectivity node for the proposed EZ, basis which required infrastructure intervention has been proposed**. The logistics cost assessment reveals the importance of IWT connectivity for site and how it is reducing the logistics cost. IWT connectivity will drastically reduce the logistics cost for Chittagong port and other area in southern Bangladesh. The proposed infrastructure intervention shall ensure the smooth flow of raw material and finished goods. Logistics cost assessment table has been furnished as Annexure 18.

The table on the next page captures present and potential future hindrances for smooth movement of manufactured goods in the region and infrastructure interventions that could be undertaken in order to make the proposed EZ site attractive to industries looking to set up manufacturing units in the region. Interventions suggested in the table on the next page have been done after taking into consideration the infrastructure upgradation currently being planned by different departments of GoB. These interventions are indicative development activities that could be further studied apart from development activities already being implemented.

Table 81: Proposed Infrastructure Interventions

| Key Asset | Existing Condition | Issues | Recommendation | Impact | Cost Implications Timeframe for Improvement | Jurisdictional Responsibility |
|---|---|---|---|---|---|---|
| Upgradation of Bibirbazar and Akhaura Land Port | Equipment being used at the land port is outdated with most of the cargo being handled manually.<br><br>Once traffic flow increases in these land ports, the need for mechanized cargo handling system would evoke. | Lack of modern surveillance system adversely affects cargo handling in the port. | Mechanization of cargo handling facility in Bibirbazar and Akhaura land ports | Upgradation of land port will reduce the transit time and logistics cost for cross border trade which in turn | A detailed feasibility study needs to be undertaken in order to arrive at cost estimation and timeframe for improvement. | Bangladesh Land Port Authority |
| Upgradation of storage facilities at Kamalapur Railway Station | The present storage position is within capacity but can exceed any time. | Absence of adequate cargo storage facilities at the station | Increase the capacity of storage facilities at Dhaka ICD | | A detailed feasibility study needs to be undertaken in order to arrive at cost estimation and timeframe for improvement. | Bangladesh Railways |
| Upgradation of existing regional highway R820 | Regional Highway, R820 is a two-lane bituminous road with a | These roads in their present condition would not be able to | Expand the existing road ~72 km to 2-lane road having width (7.13 meters). | | Cost of widening R820 – 52 crore BDT<br>Taking similar benchmarks in Bangladesh context, 2-3 | Roads and Highways Department |

| Key Asset | Existing Condition | Issues | Recommendation | Impact | Cost Implications Timeframe for Improvement | Jurisdictional Responsibility |
|---|---|---|---|---|---|---|
| | width of 5.73 meters which can support the movement of heavy vehicles. This road connects the site to National Highway, N8. | support increased traffic flow that would happen in future due to establishing of industries in the region | | | years of timeframe might be required for this. | |
| Waterway connectivity with Pangaon/ Narayanganj | The site is in close proximity to the Dhaleshwari river which can help in movement of raw materials and goods to and from the proposed EZ when connected with the river ports in Pangaon/ Narayanganj | | Exploring the possibility of water way connectivity with Pangaon and Narayanganj from the proposed EZ site | | A detailed feasibility study needs to be undertaken in order to arrive at cost estimation and timeframe for improvement. | Bangladesh Inland Water Transport Authority |

# 8. Off-Site Infrastructure Assessment

## 8.1. Purpose and Objective

For sustained business operation of EZ, it is pertinent that off-site infrastructure and EZ connectivity to the proposed sectors are adequately addressed. To facilitate integration of basic infrastructure and utilities like water, power, gas and access road to EZ, the existing infrastructure facilities surrounding the site need to be identified and gaps that could hinder development of the EZ site, need to be addressed. The major off-site infrastructure components considered for proposed EZ are as follows –

Figure 54: Off-site infrastructure components

- Access road
- Boundary wall
- External power supply
- External water supply
- External gas supply
- Drainage

*Source: MACE analysis*

The above listed off-site infrastructure components would be developed by BEZA in order to provide support to the developer who would undertake construction of the Nobabgonj EZ. The location of the proposed site to establish Nobabgonj EZ is shown below.

Figure 55: Location map of Nobabgonj EZ


*Source: MACE analysis*

## 8.2. Methodology of Off-site Infrastructure Assessment

A stepwise approach has been adopted to assess the off-site infrastructure for the proposed EZ site.

**Step 1: Identification of possible sources**

The available infrastructure facilities at the project site and in the surrounding area have been identified by carrying out following activities –

- Study of satellite image;
- Site visit;
- Field investigation; and
- Discussion with the officials - Roads and Highways Department (RHD), Rural Electricity Board (REB) and Department of Public Health and Engineering (DPHE).

**Step 2: Feasibility study**

The feasibility of utilizing the identified infrastructure component depends upon several factors as outlined below

- **Access road -** The existing carrying capacity of the road and the probability of expansion if required.
- **Power supply -** The available surplus capacity of existing sub-station to cater the power demand of the proposed EZ. Distance of sub-station from the proposed EZ and the possibility of bringing the feeder line to EZ from the source.
- **Water supply -**
    - Surface water: Availability of water to meet the estimated water demand, distance of source from site, quality and possibility of bringing the main supply line from the source.
    - Ground water: Aquifer depth, yield to meet the demand and quality of groundwater.
- **Drain –** Capacity of existing drain to carry the additional water from the proposed EZ area.

## 8.3. Review of Last Mile Off-site Infrastructure

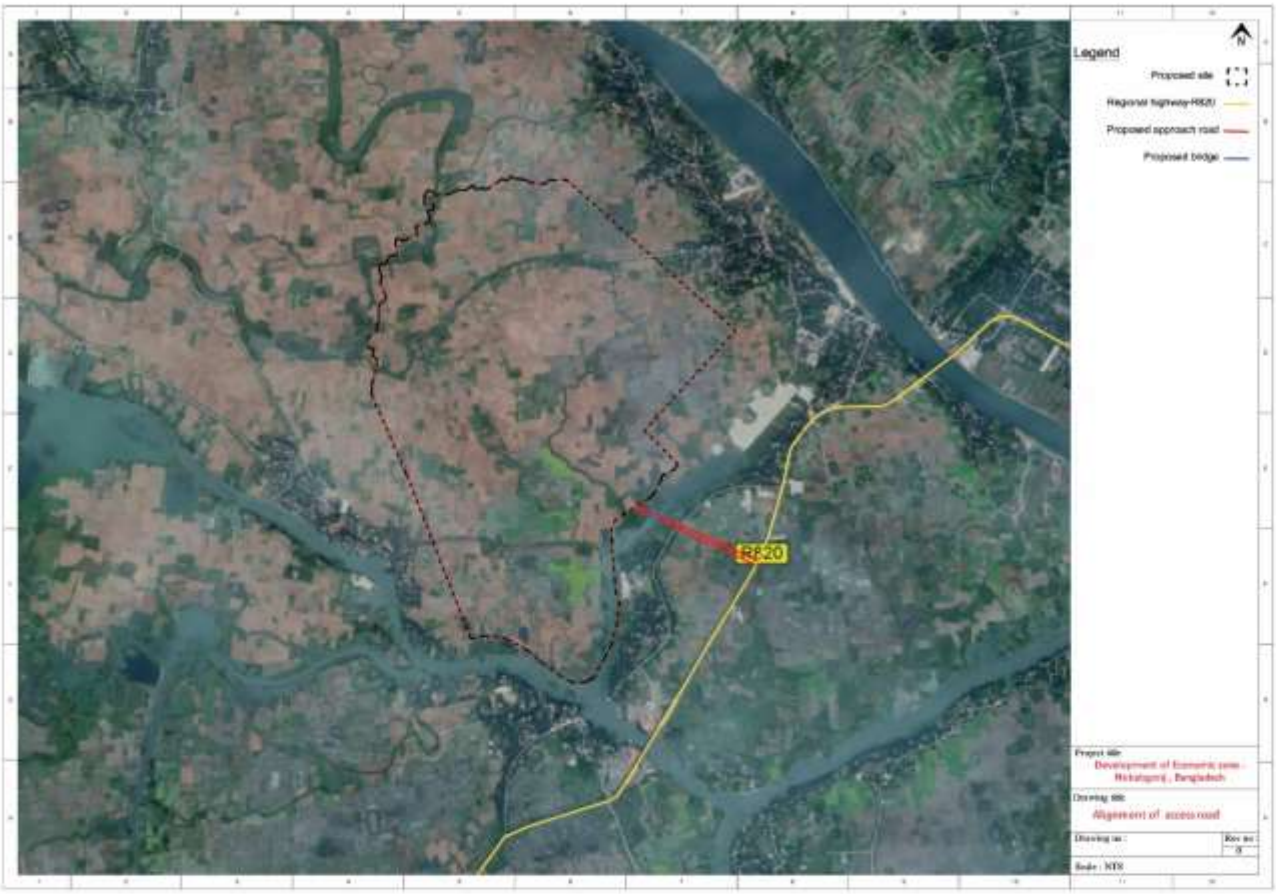
**Approach road connecting EZ**

The Regional highway- R820 namely Keraniganj-Nawabganj road is a 2-lane bitumen road at a distance of 650 m from the site and this road provides main connectivity to the proposed EZ. It connects the site with District capital Dhaka (at 39 km from site via N8- Dhaka-Mawa highway & N1- Dhaka–Chittagong highway) and Upazila capital Nawabganj (at 24 km from site).

There is an existing 9 m wide mud road which connects the site with R820 at a distance of about 2 km. However, the expansion of this existing approach road is difficult due to the presence of dense settlements along sides of the road. Hence, it is proposed to develop a new approach road to the site from R820. There is an existing water channel of River Ichamati, flowing between R820 and the proposed site. Hence, it is proposed to develop a 30 m wide bridge for a length of about 100 m and an approach road for a length of about 550 m to connect the EZ with R820.

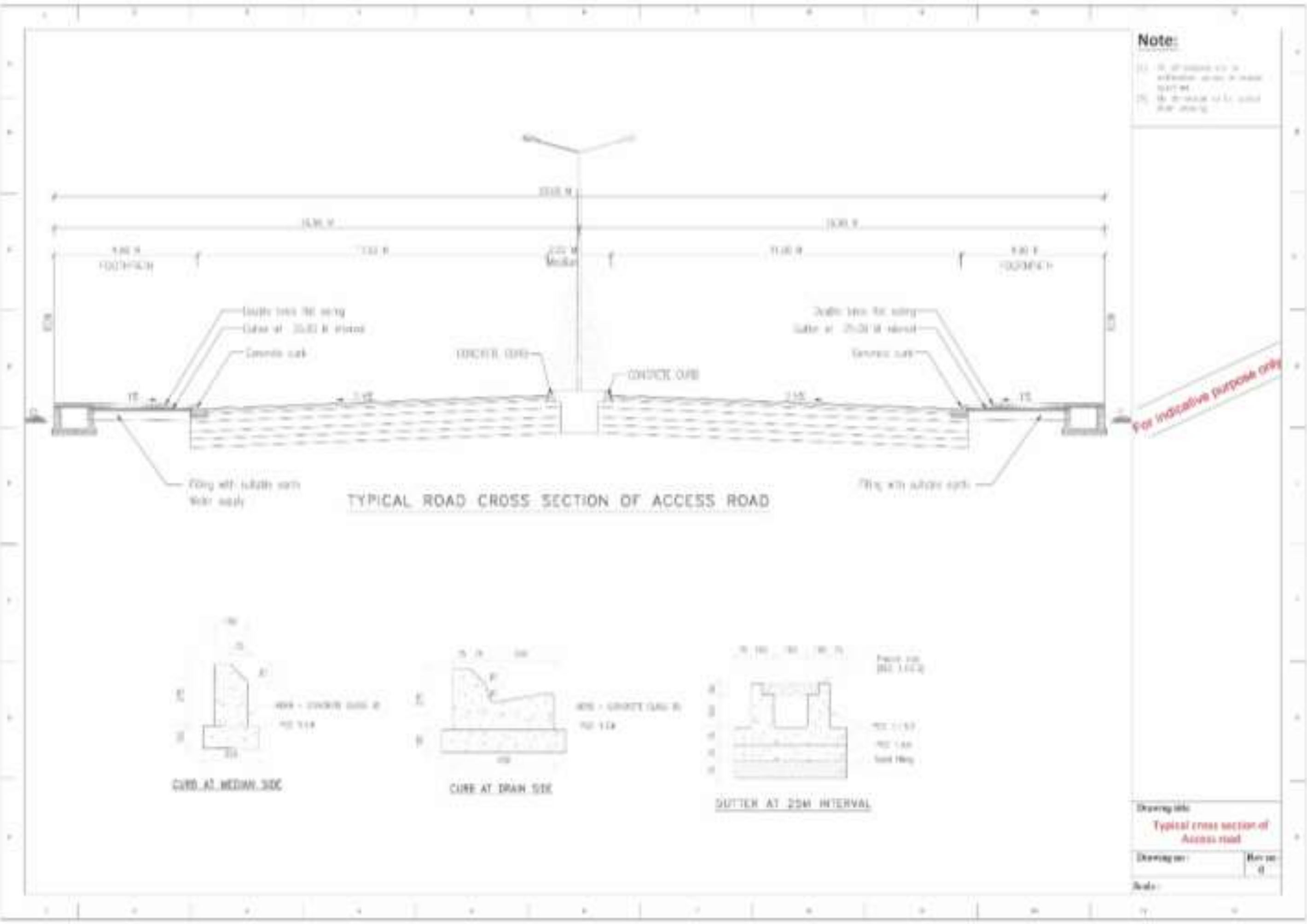
The connectivity and linkages for the proposed EZ is shown on the next page.

Figure 56: Map of last mile connectivity to proposed EZ




*Source: MACE analysis*

Figure 57: Typical cross-section of access road connecting site

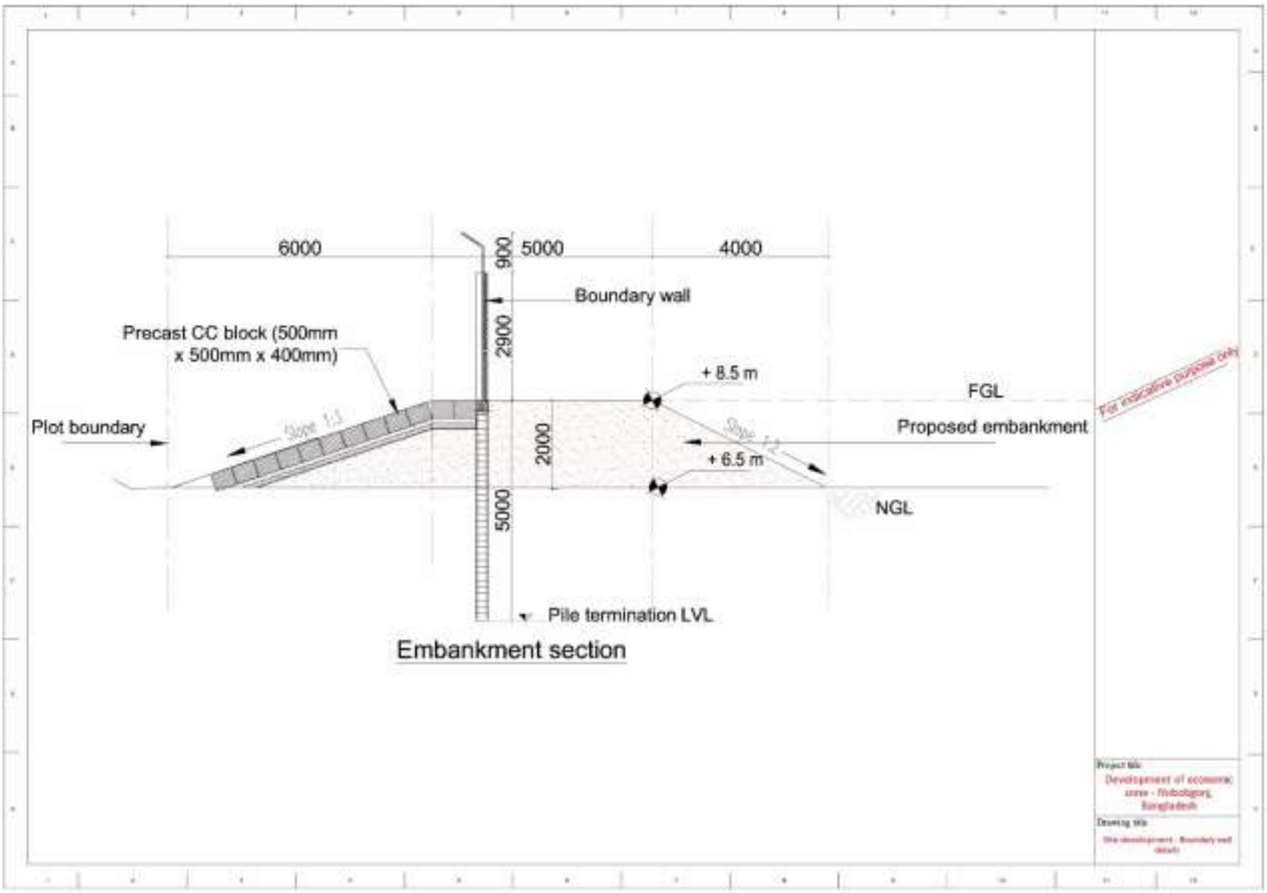



*Source: MACE analysis*

**Boundary wall of EZ**

Construction of a boundary wall is required to earmark the EZ site and prevent unauthorized access to the EZ area. Presently, there is no boundary wall at the EZ site, earmarking the EZ boundary. Based on discussion had with BEZA officials, it was decided that boundary wall would be developed by BEZA as a part of off-site infrastructure. Hence a boundary wall having brickwork with suitable height of barbed wire is recommended to be developed at the EZ site. The total length of the proposed boundary wall is about 8 km.

Figure 58: Details of boundary wall




*Source: MACE analysis*

### Power supply to EZ

Based on the assessment, it is found that the power demand for the proposed EZ would be about 102 mVA. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

To cater this power demand, a main receiving 132/33/11 kV sub-station shall be established within the proposed site.

During the initial phase of development, 33/11 kV main receiving sub-station (MRSS) shall be established within the site and as suggested by the officials, power to this sub-station shall be availed by establishing 33 kV overhead transmission line from 33/11 kV Tikorpur sub-station located at an aerial distance of 8 km from the site (based on proposed tentative alignment). Based on the discussions had with REB officials, it is understood that the existing Tikorpur sub-station has total capacity of 20 mVA with a surplus capacity of approximately 12 mVA which will not be sufficient to cater the ultimate power demand of EZ. Based on the demand growth of EZ, the proposed 33/11 kV MRSS within EZ site shall be upgraded to 132/33 kV sub-station and incoming 132 kV overhead transmission line shall be established from 132/33 kV Nawabgonj grid sub-station located at an aerial distance of 16 km from the site (based on proposed tentative alignment).

The proposed tentative alignment of power transmission line and the location of sub-station are depicted in the figure on the next page.

Figure 59: Details of external 33 kV power supply system


*Source: MACE analysis*

### Water supply to EZ

Based on the assessment, it is found that the total potable water demand for the proposed EZ would be about 10 MLD. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

Based on the discussion had with officials and local, it is understood that the groundwater in the region is at a depth of more than 600 feet. Lithology profile of the region is enclosed as Annexure 21. Hence, groundwater can be relied to meet the initial water demand of proposed EZ during construction stage.

River Ichamati is immediately adjacent to the proposed site on its South & Southwest side and River Dhaleshwari/Kalinga is at an aerial distance of about 0.8 km (~1 km) from the site in the Northeast direction. Based on the discussion had with the UNO officials, it is understood that River Dhaleshwari/Kalinga is perennial in nature and shall be relied to meet the water demand of the proposed EZ. It is proposed to provide suitable water intake system near the river basin at an approximate distance of 1 km from the site based on proposed tentative alignment. However, detailed study and hydrogeological investigations need to be carried out to determine the exact intake point and intake system. Hence, it is suggested that the suitable intake system and intake point shall be proposed during detailed engineering stage.

Details regarding the external water supply source is depicted in the figure below.

Figure 60: Details of external water supply system


*Source: MACE analysis*

**Gas supply to EZ**

Based on the assessment, it is found that the total gas demand for the proposed EZ would be about 40300 m3/day. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

Existing gas network by Gas Transmission Company Limited (GTCL) connecting Ashulia and Amin Bazar gas stations is running at a distance of 15 km from the proposed site from which an exclusive 8 inches dia gas line shall be established connecting EZ site. Refer following figure depicting the location of existing gas station and proposed gas line network connecting EZ.

Figure 61: Gas line network


*Source: Gas Transmission Company Limited (GTCL) and MACE analysis*

**Drainage**

River Ichamati flows on the south side of the site. It is recommended to connect the discharge from the drain to the river by identifying suitable drain discharge points.

In order to prevent the storm water entering from adjacent areas to the development area, a cut-off drain, and embankment provided all along the periphery of the site. The surface water discharge is considered and connected to the River Ichamati to the south side of the site.

Figure 62: Details of External drainage network System


*Source: MACE analysis*

## 8.4. Required Improvements or Upgrades

Based on the above study, recommendations have been provided on developing various components of infrastructure to support the development and operation of EZ site.

**Approach road**

It is proposed to construct a 30 m wide approach road for a length of 550 m along with bridge of length 100 m to connect the industrial area from Regional highway-R820. While connecting the approach road with the Regional highway, necessary turning radius should be provided, and the junction of the highway should be provided with necessary traffic management measures to ensure safe movement.

**Power supply**

No upgradation has been suggested in the existing system and is proposed to establish an exclusive 33 kV overhead transmission line from Tikorpur sub-station to meet the initial demand and 132 kV overhead transmission line from the Nawabgonj sub-station to the EZ site to meet the future power demand of EZ.

**Water supply**

No improvements or upgradation have been suggested in the existing off-site water supply infrastructure, since it has not been considered as a source of water supply for the proposed EZ with the aim of not increasing the pressure on existing water supply infrastructure due to EZ. Instead, a nearby available source of River Kalinga/Dhaleshwari has been considered as a water source for the proposed site and is proposed to develop an exclusive water supply system to EZ from the River with the main supply pipeline from the source for a length of about 1 km from the site. It is suggested that the suitable intake system and intake point shall be proposed during detailed engineering stage.

**Drainage**

Separate drain network with discharge points can be developed. A cut-off drain along the periphery of the site has been considered and are connected to the Ichamati river to the west side of the site. The internal drain network has been planned with the discharge to Ichamati river.

## 8.5. Last Mile Off-site Infrastructure Action Plan

The infrastructure action plan for the proposed EZ is provided in the following table.

Table 82: Off-site infrastructure action plan

| Key assets | Existing condition | Issues | Recommendations | Cost implication | Timeframe for improvement | Jurisdictional responsibility |
|---|---|---|---|---|---|---|
| **Access road** | Regional highway-R820 (Keraniganj-Nawabganj road) at 650 m distance which connects the site through village road for a length of about 2 km in the Northeast side. | The existing approach road connecting site is narrow mud road with dense settlements on either side. | Recommended to develop a new exclusive approach road of 30 m width and 550 m length along with a bridge of 100 m length and embankment for access road. | 300.36 million BDT | 12 months | BEZA |
| **Boundary wall** | Does not exist | - | Boundary wall having brickwork height of 2.9 m + 0.9 m height of barbed wire and width of 150 mm for a length of 8 km is recommended at the EZ site. | 182.59 million BDT | 12 months | BEZA |
| **Power supply** | Tikorpur sub-station of 20 mVA capacity at a distance of 8 km from the site which is utilizing 8 mVA for domestic supply and the surplus available capacity is 12 mVA.<br><br>Nawabgonj grid sub-station is at a distance of 16 km from the site to meet the increased power demand in future. | - | To build a new 33 kV dedicated overhead transmission line from Tikorpur sub-station and 132 kV overhead transmission line from Nawabgonj sub-station to connect EZ. Streetlight along the approach road has been considered. | 387.85 million BDT | 12 months | REB, PGCB and BEZA |
| **Water supply** | The nearest perennial source of water is Dhaleshwari/Kalinga river which is approximately 1 km from the proposed site. | - | Draw external water supply network lines from Dhaleshwari/Kalinga river. | 8.52 million BDT | 9 months | DPHE |
| **Gas supply** | There is an existing Aminbazar gas station at 15 km from site. | | An exclusive tapping line has to be established connecting the site for a distance of 15 km from the site. | 150.00 million BDT | 12 months | GTCL |

*Source: SoR of PWDB, REB, BWDB, PCGB, GTCL & MACE analysis*

In addition to the table displayed above, a breakup of developing off-site infrastructure components has been outlined in the table below.

Table 83: Off-site infrastructure cost estimates

| Description of item | Quantity | Unit | Price without tax (In million Taka) | Responsibility |
|---|---|---|---|---|
| **Road network** | | | | |
| Embankment for access road | 0.55 | km | 5.82 | BEZA |
| Road (30 m) | 0.55 | km | 93.95 | BEZA |
| Connecting bridge of 30 m width and 600 m length | 0.1 | km | 200.58 | BEZA |
| **Power network** | | | | |
| 33 kV overhead transmission line | 8 | km | 32.00 | BPDB |
| 132 kV overhead transmission line | 16 | km | 352 | PGCB |
| Streetlight for approach road | 0.65 | km | 3.85 | BEZA |
| **Water supply network** | 1.0 | km | 8.52 | DPHE |
| **Boundary wall** | 8.0 | km | 182.59 | BEZA |
| **Gas supply** | 15 | km | 150.00 | GTCL |
| **Project sub-total** | | | **1029.32** | |

*Source: SoR of PWDB, REB, BWDB, PCGB, GTCL & MACE analysis*

The off-site infrastructure cost estimates have been arrived after taking into considerations benchmark costs as prevalent in the construction sector of Bangladesh.

## 8.6. Key Takeaways

Off-site infrastructure captures the external basic infrastructure facilities which need to be developed. BEZA is the responsible authority for developing off-site infrastructure. The major off-site infrastructure considered for the proposed EZ are boundary wall, water supply, power supply, access road, drainage etc. These external infrastructure facilities and sources have been identified and well-integrated with the proposed EZ based on site visit, data collection, stakeholder consultations with various government agencies (such as RHD, REB and DPHE).

Key recommendations formulated from this exercise are outlined below-

- Proposed site has good connectivity and is located adjacent to Regional highway-R820 (which connects the project site to Dhaka). A 30 m wide approach road of 550 m length has been proposed to connect the industrial area. Also, a crossing bridge of length 100 m has been proposed to cross a major water channel of River Ichamati;
- Tikorpur sub-station (located at an aerial distance of 8 km from the proposed EZ) is suggested as source of power for the project at initial stage and Nawabgonj grid sub-station (located at an aerial distance of 16 km from the proposed EZ) as a source to meet the increased power demand in future;
- Groundwater source can be relied to meet the initial water requirement of the project during construction stage. To meet the water requirement of EZ, River Dhaleshwari abutting the site which is perennial in nature has been proposed as a source with required water supply system.
- Boundary wall for a length of about 8 km has been proposed; and

- The gas supply line for a length of about 15 km has been proposed to connect EZ.
- To ensure smooth collection and discharge of the surface runoff, River Ichamati on the southern side of the site have been identified as the suitable discharge points.

# 9. Master Planning

## 9.1. Purpose and Objective

The aim of setting up an EZ in Nawabganj is to develop multi-sectoral industries such as textile, food & beverages, non-metallic, leather & leather products, electrical & electronics, pharmaceuticals, chemicals, plastic & rubber and light engineering industries in the region with excellent state-of-the art infrastructure facilities and professional management to attract and support investments in industrial sectors.

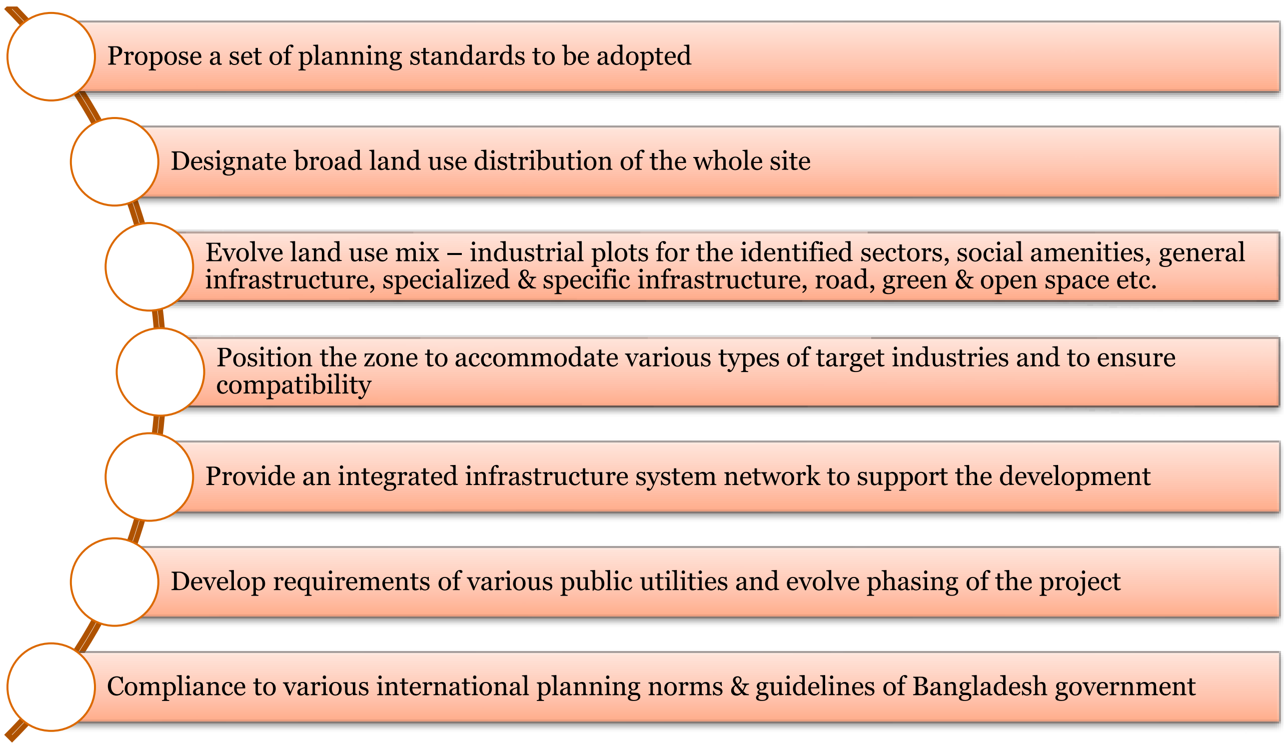
While short-listing the above industries, for master planning purpose, entire processing area has been considered as a single industrial zone having varied plot sizes. However, this zoning plan is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate the same.

Hence, Nawabganj EZ, in the form of prepared land, is planned to be developed with general and specialized infrastructure facilities. This EZ focuses on development of large, medium and small-scale industries. All facilities required for target industries have been planned and identified in this chapter. This will enable the proposed EZ to function as an integrated package having the required facilities and service activities with sufficient provision for future growth and expansion.

Given the industrial base and the concept of EZ which has evolved to leverage the cluster advantage of industries, the proposed project will strengthen Dhaka District's position in the industrial sector map of Bangladesh and will contribute to the economy. A careful planning exercise has been undertaken to position the project taking into account the geographic, demographic, raw material resources, industrial, economic and social characteristics of the region and it is in this context that master planning of the project assumes significance.

In order to implement this uniquely conceived EZ as a fully integrated and functional facility, as well as to develop confidence for foreign and local developers to undertake the development of the project and subsequent operation of their businesses, certain planning objectives/principles are envisioned as depicted in the figure below.

Figure 63: Principles adopted for master planning




*Source: MACE analysis*

## 9.2. Methodology of Master Planning

**Based on industry assessment and demand forecast**

The industries which would be envisaged for this EZ site were shortlisted after an extensive study on the macro-economic parameters of Bangladesh, combined with regional and site level assessment in order to identify and leverage the raw materials and market demand which would assist the industries in the EZ site. This was further validated through primary interactions and stakeholder consultations. Demand forecast for land space from each industry identified during industry assessment, has been calculated based on the country level growth trend of the identified industry after taking into consideration the regional level investments, development of mega infrastructure and other green field EZs planned in the region.

**Methodology adopted in preparing the master plan**

The methodology adopted in preparing the master plan is provided below –

**Step 1: Study of existing features and constraints**

As a preliminary step of preparing the master plan, existing features in and around the proposed EZ have been studied in detail to understand the beneficial features and constraints at the EZ site. It is also necessary to understand the site on basic factors such as existing connectivity, the predominant wind direction, general slope of the terrain etc.

**Step 2: Preparation of master plan**

As a preliminary step of preparing a land use plan, major road network inside the EZ site has been planned based on entry/exit points connecting all the zones within EZ. This has been followed by sub-zoning, land parcellation, planning of internal secondary access roads based on land parcellation, planning of utilities & amenities, green & open space and phasing.

The planning concepts considered for the proposed EZ is depicted on the next page. The EZ shall be a self-contained region with a salubrious surrounding and is envisaged to be developed as "Sustainable-holistic-smart intelligent-eco-economic zone".

**Step 3: Zoning**

During this zoning stage, entire site area would be divided into different zones.

## 9.3. Master Planning Consideration

Planning for the proposed EZ is based on the broad objective of establishing a world class business environment targeted essentially at high growth manufacturing and processing industrial & related infrastructure sectors.

Each zone within the EZ has been planned to be dedicated to the specific sub-sector and would be a self-sufficient unit in terms of facilities, ability to attract investors and revenue generation.

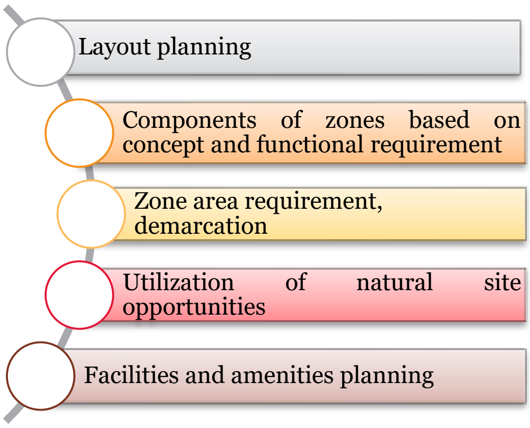
Social and commercial amenities are also planned to provide convenience to visitors as well as to the working population within the EZ. The project is planned to be housed in a lush green environment and accordingly, landscaping and greenery are planned.

- **Land use and layout**: The whole area is suitably divided into a number of identified activity centres of different sizes. The layout is developed with complete understanding of the phasing program. Integration of the financial aspects with physical planning aspects is the most important factor for success in implementation;
- **Constraints and core offering of the site**: All site-specific constraints are fully respected and mitigation measures are fully taken into consideration while developing the master plan. Similarly, the planning fully leverages the core and supplementary offering of the site;
- **Services and amenities**: The master plan considers planning for services and amenities;
- **Lack of enforcement/control on land use and growth of unapproved layouts**: Well-conceived EZ implementation framework shall be suggested to address these issues;

- **Non-uniform distribution/concentration of industrial growth pockets**: A structured industrial zoning in terms of raw material, effluent generation, pollution level category, end-product distribution etc. is done and accordingly sub-zones in EZ are suggested;
- **Conservation of ground water & surface water resources**: Sustainable infrastructure planning, incorporation of eco-friendly concepts and environment sustainability, water conservation schemes, environmental infrastructure, recycling and reuse options etc. are incorporated in the EZ development program;
- **Poor quality of roads & unplanned road junctions leading to traffic congestions**: EZ development plan identifies the constraints and appropriate road network including the approach roads, road congestion removal by the provision of grade separators and hinterland connectivity, augmentation/ widening of existing roads are being suggested; and
- **Environmental management**: Various aspects such as adherence to pollution control norms & standards control over goods, storage and handling of industrial waste, common treatment, etc. are given paramount importance while planning.

The summary of considerations for master planning is depicted below.

Figure 64: Master planning considerations




*Source: MACE analysis*

## 9.4. Master Plan

A best practice master plan based on zoning exercise has been prepared. As a preliminary step of preparing a zoning-based master plan, major road network inside the EZ site has been planned based on entry/exit points connecting all the zones within EZ. This has been followed by sub-zoning, land parcellation, planning of internal secondary access roads based on land parcellation, planning of utilities & amenities, green & open space and phasing.

Detailed master planning is done on basis of a cluster wise approach covering the following components:

- Land use plan;
  - Detailing the locations and sizes of various land uses
- Land parcel plan;
  - Showing the subdivision of industrial land
- Micro level zoning;
- Phasing;
- Utilities mapping;
- Greenery and open space plan; and
- Road category.

The proposed master plan of EZ is given in the figure on next page.

Figure 65: Master plan of EZ


*Source: MACE analysis*

Various type of industries arrived from market demand analysis are as follows-

1. Textile;
2. Food & beverages;
3. Non- metallic;
4. Leather & leather products;
5. Electrical & electronics;
6. Pharmaceuticals;
7. Chemicals;
8. Plastic & rubber; and
9. Light engineering industries.

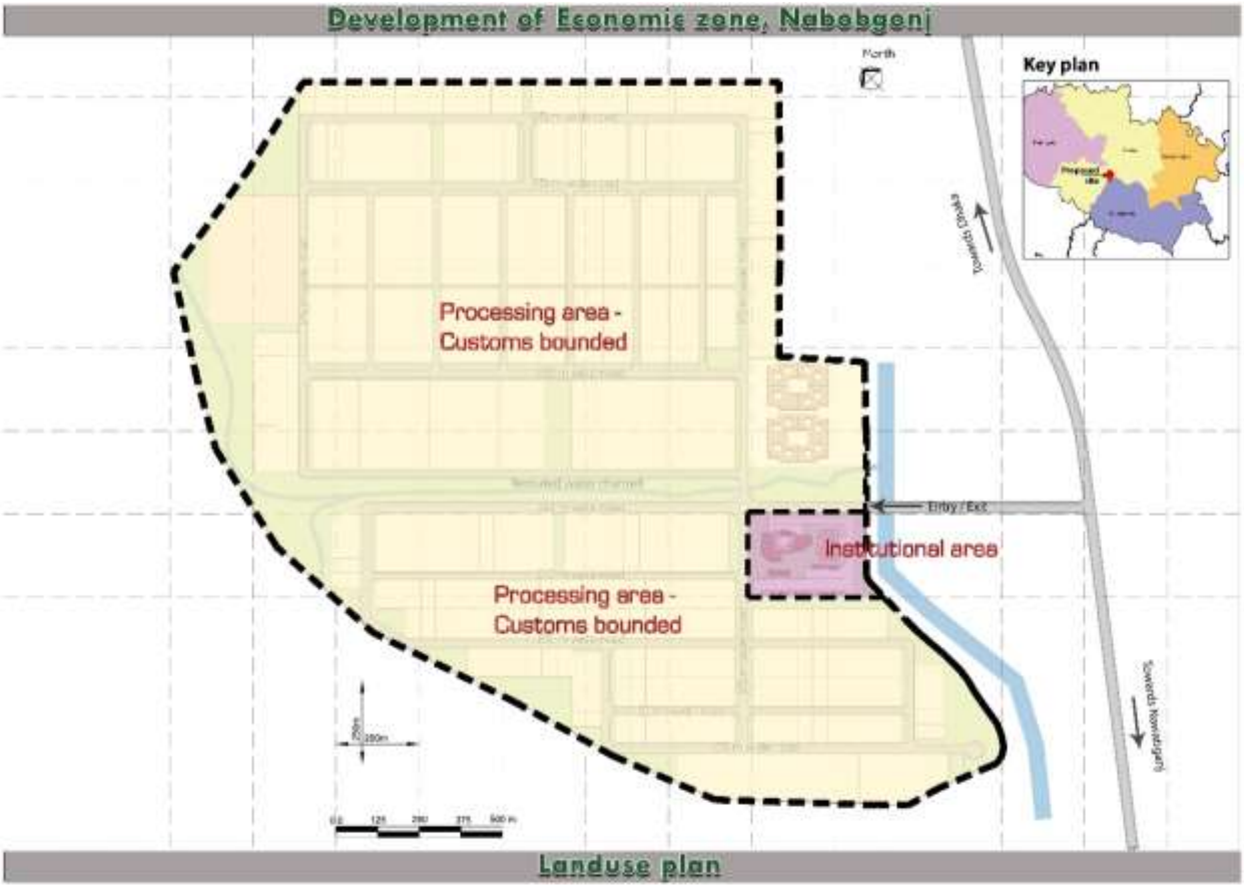
Within industrial zone, there should be a chance for establishing various type of industries according to the trend, and requirement of developer. In order to provide that flexibility during implementation stage, area for the industrial zone has been earmarked as whole. This will attract the developers towards EZ due to its high flexibility. Apart, area for utilities, amenities, green & open space and supporting facilities have been earmarked in the proposed master plan.

## 9.5. Land Use Plan

The land use pattern of the EZ is determined considering the land requirement for various processing units, public amenities etc.

The different land use proposed in the master plan is depicted in the figure below.

Figure 66: Land use plan of EZ




*Source: MACE analysis*

Table below provides the land use pattern of the proposed EZ.

Table 84: Land use pattern of the proposed EZ

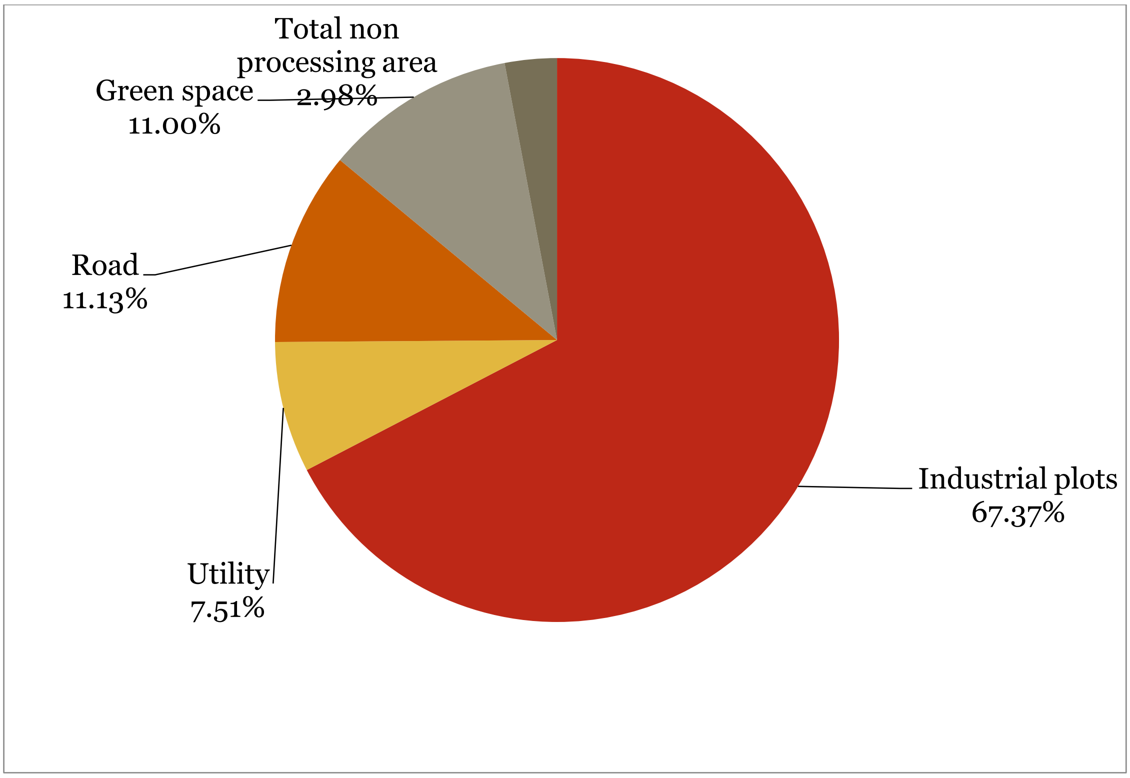
| Land use pattern | Total area | | Saleable area | | Non-saleable area | |
|---|---|---|---|---|---|---|
| | acres | In % | acres | In % | acres | In % |
| **Processing area** | | | | | | |
| Industrial plots | 588.81 | 67.37% | 588.81 | 67.37% | | |
| Utility | 65.67 | 7.51% | | | 65.67 | 7.51% |
| Road | 97.29 | 11.13% | | | 97.29 | 11.13% |
| Green & buffer space | 96.14 | 11.00% | | | 96.14 | 11.00% |
| **Total processing zone** | **847.92** | **97.02%** | **588.81** | **67.37%** | **259.11** | **29.65%** |
| **Non-processing area** | | | | | | |
| Public & support amenity | 18.88 | 2.16% | 9.44 | 1.08% | 9.44 | 1.08% |
| Road | 7.15 | 0.82% | | | 7.15 | 0.82% |
| **Total Non-processing area** | **26.04** | **2.98%** | **9.44** | **1.08%** | **16.59** | **1.90%** |
| **Total area** | **873.96** | **100.00%** | **598.25** | **68.45%** | **275.71** | **31.55%** |

*Source: MACE analysis*

The land use pattern as elucidated in the table above covers the infrastructural components being planned to be developed inside the EZ site. Provision of Standard Factory Buildings (SFBs) over an area of 30 acres having 60% coverage that would be established for industries.

Due care has been taken to include provisions for adequate green and open space. Non-processing area has been segregated into different blocks to include facilities like admin & customs blocks and supporting amenities.

Figure 67: Land use pattern – EZ site




*Source: MACE analysis*

The above figure indicates a percentage wise breakup of land use pattern of the entire EZ site. An overview of this figure reveals that industrial area has been allocated as maximum area in the EZ site, given the fact that nawabgonj potential to establish industries with good access to raw materials.

Based on the land use pattern shown in the previous page, 68.45 % of land area accounts for saleable area and remaining 31.55% of land area accounts for non-saleable area. Out of 68.45% total saleable area, 67.37% accounts for industrial use of targeted sector. Remaining 1.08% of saleable land area is earmarked for supporting amenities. Zone specific and supporting amenities include all support infrastructure such as vocational training centres, R&D facilities, administration and customs block, commercial and retail, healthcare, childcare facilities, etc.

Green space required as per BEZA guidelines and international planning norms in practice has been earmarked at strategic locations in the master plan. Private green within the industrial plots is not included in the computation of overall green area of EZ. The greenery has been proposed all along the boundary of the site, at common public space and between each industrial zone.

The layout showing earmarked area for green/open space within the proposed EZ is shown in the next page:

Figure 68: Green and open space


*Source: MACE analysis*

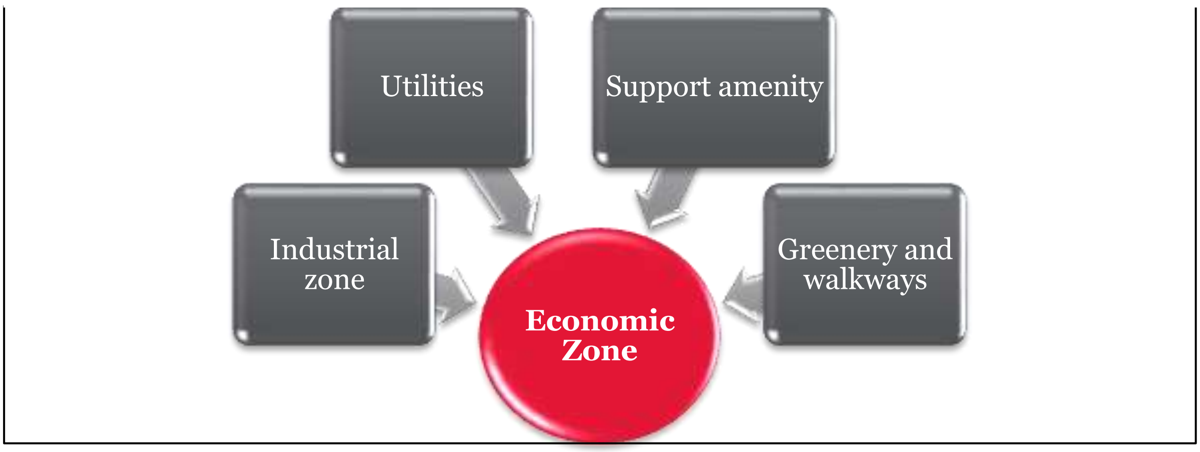
## 9.6. Zoning Plan

The zoning design has been done in order to have a smooth pedestrian circulation by simplifying the movement patterns and allowing the inter-zone movement.

**Zoning, product mix and facility configuration**

A well-balanced land use has been envisioned with a judicial mix of business, commercial and social zones as illustrated in the below figure.

Figure 69: Zoning, product mix and facility configuration




*Source: MACE analysis*

# 9.7. Zoning Principles

The development bound to occur within the EZ premises shall comply with competent local byelaws. This shall ensure a uniform development of the structures and buildings planned within the EZ. BEZA has prepared a stand-alone development control regulation guideline which derives its essence from the local planning guidelines (As per Bangladesh National Building Code). It shall be ensured that any tenant/occupant unit in the EZ shall comply with the norms as stipulated below.

**Floor Area Ratio (FAR)**

- Floor area ratio is defined as ratio between the total build-up area and total plot coverage; and
- In construction of building, FAR shall be 6, provided that internal roads, open to sky driveway and parking area, tanks, Sewage Treatment Plant (STP), Effluent Treatment Plant (ETP) shall be excluded from FAR calculation.

**Site coverage**

In the construction site, the covered area shall be as follows:

- Maximum 50% of the total area shall be covered by factory building, powerhouse, storage, covered parking, ETP, overhead STP etc.;
- 30 % of the site shall be covered by the driveway, open parking, 50 sqm guard room, fire command centre, cycle stand, internal roads, underground water tank & septic tank; and
- 20% of the site shall be open to sky soak area, provided that soaking soft pave may be used instead of green grass or naked earth in the open space.

**Setback**

- A minimum front setback of 12 m shall apply to the primary street and a minimum setback of 4.5 m shall apply to the secondary street or unless otherwise determined by the Authority;
- Side and rear setbacks shall be 3.5 m;
- Notwithstanding anything contained in sub-rule (1) and (2), the Authority may, considering the following circumstances, make variation up to a reasonable limit in determining the setbacks, namely:
    - General streetscape;
    - Properties and buildings near and surrounding the site;
    - Fire separation distance;
    - Solar aspect and prevailing breezes; and
    - Bulk of the development.

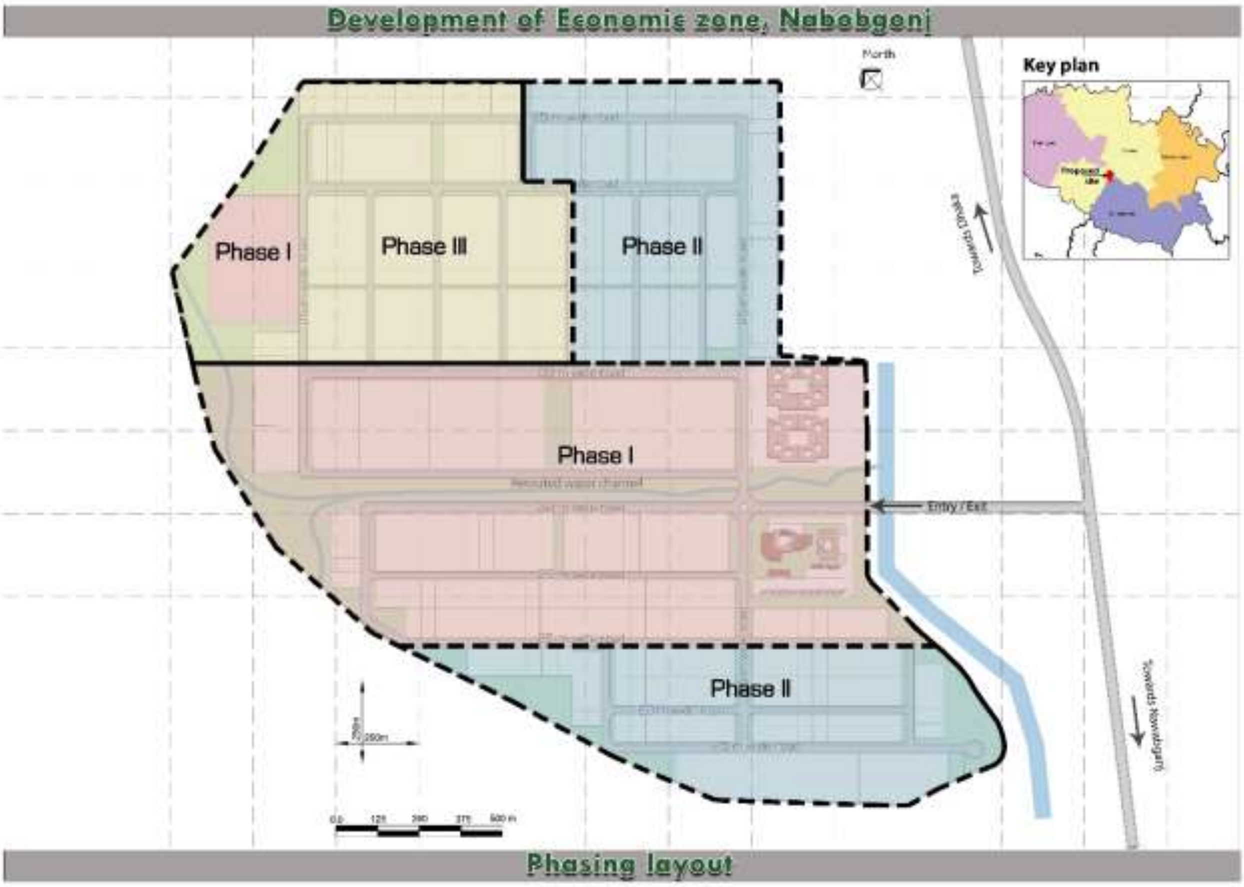
**Community open space for industrial plots.**

- For every industrial plot having an area of 1.0 hectare or more, a minimum of 10% of the total area, but not exceeding 0.25 hectare, shall be reserved as community open space and such area shall be contiguous to and shall have a means of access from every unit of the industry for recreational activities of the persons working in the industry and also linked to the external roads for safe exit during emergency; and
- The adjacent road network and the internal open space together shall be used for the assembly area during emergency.

## 9.8. Phasing Plan

The project is planned to be developed over 3 phases. It is proposed to develop 307 acres of land in phase I, 366 acres in phase II and 201 acres in phase III. The details of the phasing plan are as shown in figure on next page.

Figure 70: Phasing plan of EZ




*Source: MACE analysis*

The details of the phase wise land use breakup are as shown in table below.

Table 85: Phase wise land use breakup

| Land use pattern | Total area (in acres) | Phase I (in acres) | Phase II (in acres) | Phase III (in acres) |
|---|---|---|---|---|
| **Industries** | 588.81 | 166.14 | 263.75 | 158.92 |
| **Utility** | 65.67 | 32.8 | 32.84 | |
| **Road** | 97.29 | 39.66 | 38.89 | 18.74 |
| **Green and open spaces** | 96.14 | 55.49 | 17 | 23.65 |
| **Non-processing area** | 26.04 | 13.0 | 13.02 | |
| **Total** | **873.96** | **307.14** | **365.49** | **201.32** |
| | **~874** | **~307** | **~366** | **~201** |

*Source: MACE analysis*

## 9.9. Plot Details

There are totally 420 plots within EZ out of which 418 plots are earmarked for industrial usage, 1 plot for utilities and remaining 1 plot has been earmarked for public & support amenities.

From the proposed land use distribution, it can be observed that industrial usage is the predominant land use.

Besides offering pleasant environment for people to work, the development will offer a variety of prepared land plots complete with infrastructure for clients to build their own factories. Industrial land will be marketed as prepared land sites complete with infrastructure.

The parcellation of plots is done with the aim of accommodating various type of industries according to the convenient of investors. Occupant units can merge or sub-divide the prepared land into appropriate sizes to meet their own requirements. Conversely, the larger plots can be subdivided by introducing some minor roads if the demand is for small plots. Prominent sites which normally command a slightly higher land premium are reserved for industrial brand names and multinational companies (MNCs) who desire these prime locations for enhancement of their corporate image and are ready to pay a premium price for the same. A variety of small and large plots are provided to meet the varied needs of industrialists. Breakup of the industrial area and plot details envisaged for the EZ site is given below.

Table 86: Break up of industrial area and plots

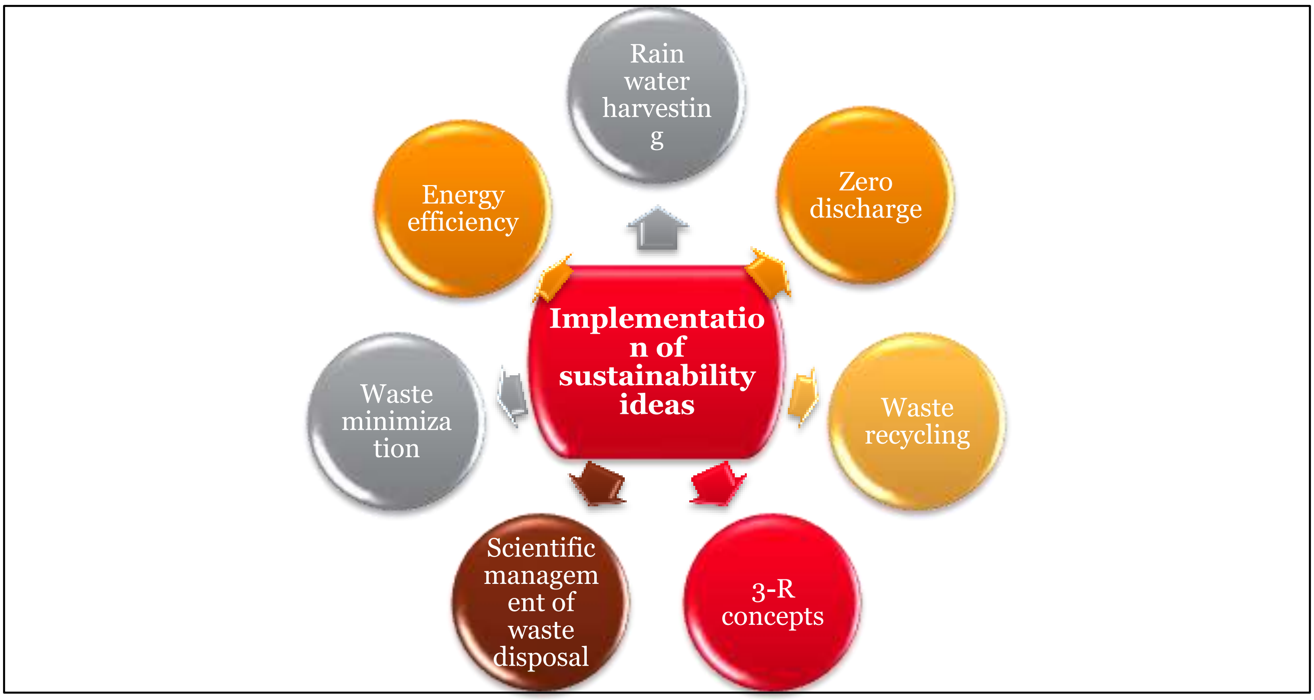
| Description | Industrial area/ plots | Phase I-industrial breakup | Phase II-industrial breakup | Phase III-industrial breakup |
|---|---|---|---|---|
| **Industrial area (in acres)** | 588.81 | 166.14 | 263.75 | 158.92 |
| **Number of industrial plots** | **418** | **100** | **202** | **116** |
| **Upto 1-acre plots** | 202 | 39 | 126 | 37 |
| **1-2 acre plots** | 172 | 34 | 59 | 79 |
| **>2 acre plots** | 44 | 27 | 17 | - |

*Source: MACE analysis*

## 9.10. Sustainability Initiatives

The development of the EZ is driven on strong foundation of sustainability concepts and these needs were built right in the conceptualization stage itself. The sustainable elements conceived in the concept plan include use of eco-friendly materials, recyclable material, avoidance of toxic chemicals, usage of environmental friendly products, waste minimization technologies, scientific treatment of waste and energy recovery possibilities to reduce power consumption etc. as shown in the figure below.

Figure 71: Sustainability initiatives




*Source: MACE analysis*

Implementation of the above-suggested sustainability ideas inside the EZ would enable an eco-friendly and holistic growth of the regional economy providing adequate benefits to local stakeholders and at the same time preserving the local fauna and flora in vicinity of EZ site.

## *9.11. Key Takeaways*

Taking inputs from industry assessment and demand forecasting, best practice master planning has been carried out to enable state-of-the art infrastructure facilities in the proposed EZ to attract and support investments in industrial sectors.

Master planning takes into cognizance layout planning, zoning based on concept & functional requirements, facilities & amenities planning. Master plan comprise of zoning plan, road network plan, detailed land use and phasing plan.

Key recommendations formulated from this exercise are outlined below-

- During master plan, entry/exit has been planned from the approach road connecting the site. The whole site area has been divided into various zones such as industrial zone, institutional zone, amenities and utilities zones;
- Land parcellation, planning of utilities & amenities and phasing of proposed master plan;
- This project has been planned to be developed over 3 phases with each phase having a construction period of 2 years. 307 acres will be developed in phase I, 366 acres will be developed in phase II and 201 acres will be developed in phase III;
- Best practice master planning indicates that 68.45 % of land accounts for saleable area and remaining 31.55 % of land accounts for non-saleable area. Out of 68.45 % total saleable area, 67.37 % accounts for industrial use of targeted sector and remaining 1.08 % is for public and support amenities; and
- 420 plots have been earmarked in the proposed master plan for different usage out of which 418 plots are earmarked for industrial usage, 1 plot for utilities and remaining 1 plot has been earmarked for public & support amenities.

# 10. Infrastructure Plans

## 10.1. Purpose and Objective

The industrial, environmental, physical & social infrastructure objectives of EZ are described in figure below.

Figure 72: EZ infrastructure objectives


*Source: MACE analysis*

The infrastructure is the key requirement for sustainable operation of the EZ. Infrastructure requirements are categorized as follows:

1) Infrastructure within EZ;
2) Specialized infrastructure; and
3) External connectivity and off-site infrastructure for EZ.

All the necessary infrastructure facilities for the development are designed to create an ideal ambience and best environment.

As a part of infrastructure planning and designing, the infrastructure demand will be calculated. For the same, it is planned to consider the high demand industrial requirement as a base value for arriving the overall demand of water, power etc., for the proposed EZ. Hence, it provides the flexibility in establishing different industries based on the investors requirements which makes the EZ ready to occupy with sufficient infrastructure facilities to meet their demand.

## 10.2. Methodology of Infrastructure Plans

The basic considerations and the methodology adopted for planning various infrastructure components within the EZ are provided in the following table.

Table 87: Details of components covered under infrastructure plan

| Components | Detailing of utilities, infrastructure within proposed EZ |
| --- | --- |
| ➢ **Roads – general considerations** | o Primary, secondary, collector roads are planned to give access to the industries within the EZ; and |

| Components | Detailing of utilities, infrastructure within proposed EZ |
|---|---|
| ➢ **Roads – categories** | o In order to maximize land values and minimize land taken by major and minor roads, a proper hierarchy of roads is proposed to ensure smooth traffic movement inside EZ.<br>o Different categories of roads are proposed for the internal road transportation network; and<br>o The details are given in **Table-Hierarchy of roads.** |
| ➢ **Roads – pedestrian walkways** | o Routes and paths are provided for easy movement of visitors with enough care so that no transport system interrupt in the way of pedestrians;<br>o Aesthetically designed walkways are provided along with lush green environment on either side of road;<br>o Pedestrian walkways are provided for all categories of roads;<br>o All services for drains, sewers, water, power and telecom are contained within the road right of way;<br>o Necessary signage, street name boards, zone guiding maps and visitor's guidance map etc. are suggested to be positioned at necessary locations, such as intersections and at various strategic locations in each zone; and<br>o No access is planned to be allowed near the road junctions and it is recommended that ingress/egress points will be with a setback of at least 30 m from the road junction. |
| ➢ **Roads - pavement structure** | o In the proposed EZ, flexible pavement structure is recommended for the following reasons:<br>• Ease of rehabilitation in consideration for anticipated long-term settlement; and<br>• Lower reinstatement cost to accommodate future laying of utility services.<br>o The typical composition of flexible pavement structure is detailed in **Table - Composition of flexible pavement structure** considering California Bearing Ratio (CBR) value of 2% and traffic in cumulative equivalent standard axles (ESA) (millions) is 65;<br>o Wherever necessary, the unsuitable soil at sub-grade/below sub-grade level shall be replaced with suitable materials as per standard specifications; and<br>o The surface wearing course should be delayed in the initial construction and could instead be laid 12 months later or in the subsequent road development program. This would minimize reinstatement costs during subsequent underground services laying, road crossings, connections and settlement in the filled areas. |
| ➢ **Surface drainage – general considerations** | o Based on topography of the EZ, the drainage pattern has been decided. |
| ➢ **Surface drainage – peak runoff** | o The peak runoff and discharge capacities are computed based on the following design parameters:<br>• The peak runoff is planned to be computed based on rational formula: -<br>Q = C * I * A / 360<br>Where, Q = Quantity of runoff, $m^3/s$<br>C = Coefficient of runoff<br>I = Intensity of rainfall, mm/hr<br>A = Catchment area, hectare<br>• Considering the nature of soil/ surface, the coefficient of runoff adopted in the drainage computation are given below:<br>0.9 - for built-up area; |

| Components | Detailing of utilities, infrastructure within proposed EZ |
|---|---|
| | 0.5 - for road and other paved area; and<br>0.2 - for greenery and open area. |
| ➢ **Surface drainage – sizing** | ○ The sizing of the drains is designed based on the discharge capacity of Qc to cater adequately the estimated peak runoff using Manning's formula: -<br>Qc = $(1/n) * A * R^{2/3} * S^{1/2}$ (m³/sec)<br>Where<br>A = Area of cross-section of drain ($m^2$)<br>R = Hydraulic mean radius (m)<br>S = Hydraulic gradient<br>n = roughness coefficient |
| ➢ **Surface drainage – design & scheme** | ○ The drainage system is planned to cater for the entire EZ through gravity flow;<br>○ Drains are proposed to be provided on both sides of the roads;<br>○ Open trapezoidal drain is considered for the surface runoff collection due to easy maintenance for the primary road. Stone pitching is considered for the side walls and plain cement concrete (PCC) for the base;<br>○ Covered rectangular brick masonry drain is considered for the remaining areas for optimization of area under drainage;<br>○ Reinforced cement concrete (RCC) box/pipe culverts of suitable sizes are considered for road crossings; and<br>○ Rainwater harvesting structures are envisaged all along the drain at every 100 m interval. |
| ➢ **Water demand** | ○ The water demand estimation norms considered for arriving the water demand is depicted in **Table-Water demand estimation norms.** |
| ➢ **Water losses** | ○ Water losses occur in the distribution and transmission network. The percentage of loss depends on the pipe material, jointing system, etc. As this is a complete loss, it is attempted to keep these losses below 10% of the total demand;<br>○ Potable water has been used for processing, bathing and washing clothes, cooking, drinking and washing vessels;<br>○ Non- potable water has been used for gardening, cleaning, cooling and toilet flushing; and<br>○ The water consumption pattern assumed is given in **Table-Water consumption pattern.** |
| ➢ **Fire protection demand - non-potable** | ○ Fire demand in litres per minute has been calculated based on the following formula:<br>$Q_{FD} = 4000 \times (P)^{0.5} \times (1-0.01 \times (P)^{0.5})$<br>*Where P = Population in thousands per hectare*<br>$Q_{FD}$ = *866 lpm*<br>= *45 cum/hr*<br>○ Considering two hours fire demand requirement, the total quantity of water required for fire protection is 90 cum; and<br>○ Demand for firefighting has not been considered under daily demand. One-time storage i.e. 2 hours of fire demand will be reserved and maintained at all time. |
| ➢ **Average water demand** | ○ Based on the computation and analysis, the total average water demand is estimated and presented in **Table-Summary of water demand;** and<br>○ The water demand estimation for different components in the processing and non-processing area is depicted in **Table- Estimation of average daily water demand.** |

| Components | Detailing of utilities, infrastructure within proposed EZ |
|---|---|
| ➢ **Water storage** | ○ Based on the above estimates, the following infrastructure for the EZ is proposed.<br>○ ***Sump***<br>• The total storage capacity of the sump is based on 24 hours storage. Proposed storage capacity is shown in **Table- Sump storage capacity;** and<br>• Two sumps have been proposed, one for potable water and other for non-potable water which includes fire demand.<br>○ ***Elevated level service reservoir (ELSR)***<br>• The total storage capacity of the ELSR is based on 2 hours storage. Storage requirement is shown in **Table – ELSR capacity;**<br>• Two numbers of ELSR have been proposed, one for potable water and other for non-potable water to serve the processing and non-processing area; and<br>• As per standard norms, the tail end should have a minimum residual pressure of 7.0 m. To meet the norms, the staging height of ELSR shall be fixed accordingly by the project implementation agency. |
| ➢ **Water pumping station** | ○ Water pumping station for potable and non-potable water is required for pumping from the sump to ELSR; and<br>○ The water supply scheme including distribution is planned based on the peak flow, minimum residual pressure and pipe material. |
| ➢ **Water distribution network** | ○ It is proposed to provide separate water distribution network for potable and non-potable supply;<br>○ The design criteria for the design of water supply network are given below.<br>• Demand computation based on the analysis;<br>• Working hours per day – 24 hours;<br>• Pipe material<br>▪ For pumping main - DI (K9);<br>▪ For distribution up to 200 mm diameter - HDPE (PE 100);<br>▪ For distribution above 200 mm diameter - DI (K7);<br>▪ Pipe roughness co-efficient - 140 for DI and 150 for HDPE;<br>▪ Formula used for friction loss - Hazen Williams;<br>▪ Minimum residual pressure at all tapping points - 7.0 m;<br>▪ ELSR staging height - as per design requirement.<br>○ The proposed pipe size and pumping capacity are given in **Table - Pipe sizing for processing area and Table-Pump capacity** |
| ➢ **Sewage quantity estimation** | ○ The sewerage system is planned to cater for the anticipated peak discharge requirements and to treat the waste to the required discharge standards;<br>○ The estimation of the sewage shall vary depending upon the land use distribution;<br>○ The domestic sewage to be generated has been assumed to be 80% of the domestic water consumption in addition to an infiltration of 10%;<br>○ The general wastewater generation pattern adopted in domestic premises is presented in **Table-wastewater generation pattern;**<br>○ Wastewater generated from toilets is considered as sewage (black water)and wastewater generated from bath/shower, laundry, hand basin and kitchen are considered as sullage (grey water) and the pattern of the same is depicted in **Table-Sewage and sullage generation pattern;**<br>○ The estimation of average daily sewage and sullage generation is detailed in **Table - Sewage and sullage generation estimation;**<br>○ Treated wastewater available @ 90% = 1300 cum/day;<br>○ Non-potable water demand is 9850 cum/day; |

| Components | Detailing of utilities, infrastructure within proposed EZ |
|---|---|
| | ○ Entire treated wastewater shall be utilized for non-potable usage; |
| ➢ **Effluent quantity estimation** | ○ Total estimated effluent quantity= 10 MLD;<br>○ It is proposed to collect effluent through a collection network and shall be treated in respective zone specific CETPs. Effluent network and CETP shall be established by the project implementation agency considering the topography of the site;<br>○ The proposed CETP's shall treat the effluent to non-potable standard and shall be reused to meet the non-potable requirement of EZ;<br>○ Treated effluent available @85% = 8500 cum/day;<br>○ Non-potable water demand is 9850 cum/day; and<br>○ Entire treated effluent shall be utilized for non-potable usage. |
| ➢ **Solid waste management (SWM)** | ○ SWM is one of the most essential services for maintaining the quality of life in EZ and for ensuring better standards of health and sanitation.<br>○ If properly collected at source, SWM would reduce several downstream problems related to transportation and disposal of the same. Solid waste (SW) generated in EZ can be broadly categorized as under:<br>• Industrial non-hazardous waste;<br>• Industrial hazardous waste;<br>• Domestic wastes: kitchen and wood waste, plastic, paper, floor sweepings, etc.<br>• Road sweeping & sanitary waste: human waste, etc.<br>• Garden & agriculture waste, leaves, branches, plants etc.<br>• Roads/building construction waste: earth, asphalt, concrete, brick, plaster, wood, glass, stones etc.<br>• E-waste: computer systems, peripheral equipment, mobile phone sets, TVs, audio sets etc.,<br>• Hospital and biomedical waste.<br>○ The role of integrated SWM is to reduce the quantity of SW disposed to land by recovering materials and energy from SW as depicted in **Figure -Waste reduction by integrated SWM.**<br>○ The generation rates of industries, logistics and commercial areas vary to such an extent that exact quantification of SW generation is not feasible.<br>○ However, an attempt has been made to quantify the municipal solid waste (MSW) that may be generated from various zones of EZ.<br>• Industries – 200 gm / person / day;<br>• Utilities – 100 gm /per person / day;<br>• Road – 10.12 kg / hectare / day is considered for street sweeping;<br>• Greenery – 30.36 kg / hectare / day is considered; and<br>• Public and supporting amenities – 100 gm /per person/day.<br>○ Based on the above, MSW quantification has been carried out and depicted in **Table - Estimation of Municipal solid waste generation;**<br>○ Total estimated MSW quantity –8 TPD;<br>○ Source segregation should be made mandatory and due care has be taken while planning the collection, transportation of waste within the site area. Users will be required to segregate their waste in the following categories and put in colour coded bins.<br>• Industrial non-hazardous waste;<br>• Industrial hazardous waste;<br>• Bio-degradable waste; |

| Components | Detailing of utilities, infrastructure within proposed EZ |
|---|---|
| | • Non-biodegradable waste;<br>• E-waste like parts of computer, monitor, cartridges etc.;<br>• Construction debris, street sweepings etc.;<br>• Hospital and bio-medical waste.<br>o From the above only bio-degradable waste can be treated in the SW treatment facility within the EZ;<br>o The rate of MSW generation in the initial stages will be less than the estimated quantity and hence during the initial stage, the MSW generation rate can be considered as 50% of the estimated quantity; and<br>o The entire MSW is planned to be collected , segregated and bio-degradable waste shall be treated in the composting plant within EZ and the rejects shall be disposed to suitable landfill outside the EZ. |
| ➢ **Power supply & distribution** | o The system parameters are as follows:<br>• Transmission line – 132/33/11 kV;<br>• Number of phases – 3;<br>• System frequency - 50 Hz;<br>• Consumer supply voltage 33 kV /11kV/415/240 volt.<br>o As peak demand may vary for each facility in EZ, a diversity factor, which relates peak demand to rated load demand or calculated demand, is utilized in computation of maximum demand;<br>o A simultaneity factor of 40% - 80% is normally considered;<br>o Power losses generally occur in the distribution network depending upon the type of conductors and equipment installed. As this is a complete loss to the system, it is generally kept below 10% of the total load;<br>o Estimated power demand is depicted in **Table-Estimation of power demand;**<br>o Total estimated power demand is 102 mVA;<br>o Distribution substation is proposed in a strategic location. Individual facilitation and all power reticulation are to be carried out at 33/11 kV;<br>o The advantage with reticulation at 33/11 kV is that it is the standard voltage and therefore electrical reticulation equipment for 33/11 kV systems would be readily available including spares;<br>o Distribution network is the main backbone of the reticulation system. It is most essential that the network must deliver uninterrupted power, in right quantity & quality to individual facilities continuously;<br>o Power can be distributed by a network of overhead lines or underground cables and;<br>o An overhead distribution system is adopted for much more flexible extension , for connection of new consumers and being less expensive than an underground cable system. |
| ➢ **Street lighting** | o Street lighting has been conceived in 2 different forms.<br>• Streetlights for the road network; and<br>• Solar street lighting.<br>o All the road and streets are provided with street lighting not only to assist pedestrians and traffic, but also to increase safety and security in the area. It is recommended that all lighting should be energy efficient LED streetlight mounted on power poles or on streetlight columns. For major roads, the average illumination should be about 20 lux. |
| ➢ **Landscaping** | o This includes works associated with the landscaping within the EZ covering tree strips along the boundary, roads, public greenery etc., |

*Source: MACE analysis*

Industry best practices have been adopted in order to create an outline of the supporting infrastructure for the EZ site as mentioned in the table above. Presence of infrastructure components highlighted above would ensure smooth functioning of industrial activities and ease of logistics movement within the EZ site.

## 10.3. Infrastructure Requirements and Concept Drawings

### 10.3.1. Roads

#### Hierarchy of roads

Primary, secondary, collector and local roads are planned to give access to the industries within EZ. These roads are looped and planned with the aim of providing smooth and dispersed traffic flow to reduce traffic congestion within EZ.

The hierarchy of roads planned within EZ are provided below.

Table 88: Hierarchy of roads

| Category | Road width (m) | Carriage way width (m) | Number of lanes | Length (m) | |
|---|---|---|---|---|---|
| | | | | Processing area | Non- processing area |
| Primary road | 30 | 7.5 + 7.5 | 4 | 1987 | - |
| Secondary road | 25 | 7.5 + 7.5 | 4 | 6514 | - |
| Collector road | 20 | 3.75+3.75 | 2 | 10990 | 900 |
| **Total** | | | | **19491** | **900** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

The composition of pavement structure is provided in the table below.

Table 89: Composition of flexible pavement structure

| Layer | Composition details |
|---|---|
| Wearing course | Dense bituminous surfacing wearing course of 40 mm thick laid with mechanical spreaders |
| Binding coat | Tack coat of 0.30 kg/ sqm of 60/70 grade bitumen |
| Binder course | Dense bituminous surfacing base course of 110 mm thick laid with mechanical spreaders in 2 layers |
| Binding coat | Prime and tack coat of 1.2 kg / sqm & 0.30 kg/sqm of 60/70 grade bitumen |
| Base course | Aggregate base, type - I of 250 mm thick (minimum soaked CBR 80%)<br>Aggregate base, type - II of 300 mm thick (minimum soaked CBR 50%) |
| Sub-base | Granular sub-base of 250 mm thick (minimum soaked CBR 25%) |
| Improved sub-grade | Improved sub-grade of 250 mm thick (minimum soaked CBR 5%) |

*Source: MACE analysis*

Adhering to the pavement structure outlined in the table above would ensure longevity of the road surface and minimize deterioration of road surface & need for frequent repair and maintenance works.

#### Road network drawing

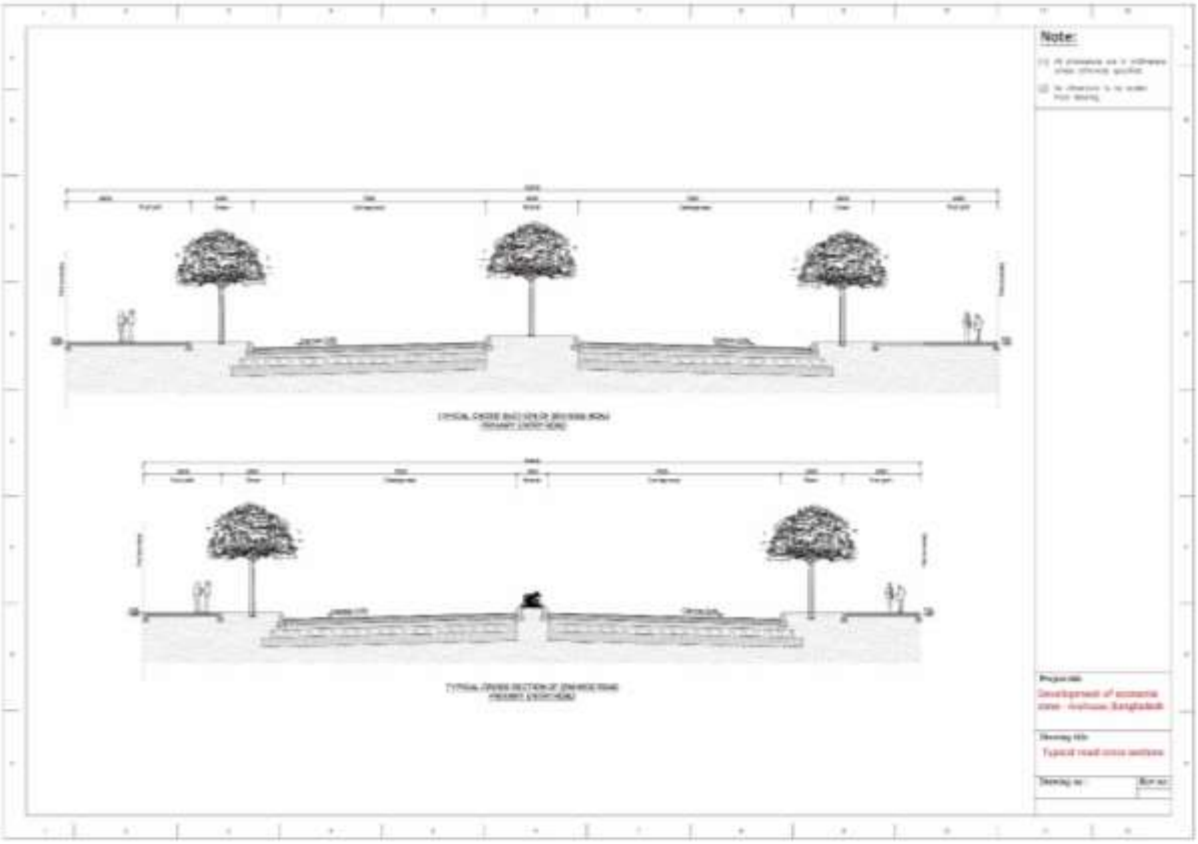
The road network layout for the proposed EZ is shown below:

Figure 73: Road network diagram


*Source: MACE analysis*

The above figure outlines the top view of the road network diagram. As evident from the diagram above, road plan has been prepared to ensure last mile connectivity to all units inside the EZ site. Figure on next page outlines the cross-sectional view of the road structure.

Figure 74: Road cross section details



*Source: MACE analysis*

The typical cross-sectional view of the road structure is shown in the above figures. As elaborated in the figure, it is suggested to consider provision for riding surface, drainage and street lighting facilities.

## *10.3.2. Power*

Design basis

- **Electrical system - EHV / HV supply**

| | | |
|---|---|---|
| Nominal voltage | : | 132/33 kV ± 5% |
| Frequency | : | 50 Hz ± 2.5 % |
| Number of phases | : | 3 phases, 3 W |
| Fault level | : | 26 kA |

- **Distribution supply**

| | | |
|---|---|---|
| Nominal voltage | : | 33/11 kV / 415 V/230 V ± 6% |
| Frequency | : | 50 Hz ± 3% |
| Number of phases | : | 3 phases, 3/4 W |

Power demand basis

The power estimation carried out on the next page is at ultimate level and based on published standards, guidelines and best industry standards. However, this is indicative in nature and may vary on the on-ground implementation of the project.

Table 90: Power demand estimation – basis

| Land use pattern | Load in kVA/acre & kVA/sqm of BUA | Simultaneity factor |
|---|---|---|
| **Processing zone** | | |
| Industries | 185.00 | 80% |
| Utility | 105.00 | 40% |
| Road | 14.00 | 40% |
| Green & open space | 5.00 | 40% |
| **Non-processing zone** | | |
| Public and support amenity | 0.14 | 70% |
| Road | 14.00 | 40% |

*Source: Published standards, guidelines and best industry standards*

*Note - BUA refers to built-up area.*

Power demand estimation

- The system parameters are as follows:
  - Consumer supply voltage - 33/11 kV/415/240 Volt;
  - Number of phases - 3;
  - System frequency - 50 Hz.
- As peak demand may vary for each facility in EZ, a simultaneity factor, which relates peak demand to rated load demand or calculated demand, is utilized in computation of maximum demand;
- A simultaneity factor ranging from 40-80% is considered based on the type of proposed components;
- Power losses generally occur in the distribution network depending upon the type of conductors and equipment installed. As this is a complete loss to the system, it is generally kept below 10% of the total load.

With the above consideration, estimated power demand is worked out and the summary of load estimation is presented in the table on next page.

Table 91: Summary of electrical load estimate

| SI. No | Type of development | Load in kVA |
|---|---|---|
| 1 | Processing area | 99703.00 |
| 2 | Non-processing area | 2578.00 |
| | **Total estimated load in kVA** | 102281.00 |
| | **Total estimated load in mVA** | 102.28 |
| | **Total estimated load in mVA** | **~ 102** |

*Source: MACE analysis(total figures might have minor aberrations due to rounding off the decimals)*

The above table provides a summarized view of total electricity requirement of the EZ site. However, the total estimated load mentioned in the table above is indicative in nature and may vary based on on-ground implementation of the project. The land use wise estimated electrical demand for this facility is given in the table below.

Table 92: Power demand calculation

| Land use pattern | Total area<br>acres | Load in kVA/acre & kVA/sqm of BUA | Simultaneity factor | Loss factor | Load in kVA |
|---|---|---|---|---|---|
| **Processing area** | | | | | |
| Industrial plots | 588.81 | 185.00 | 80% | 1.10 | 95858.00 |
| Utility | 65.67 | 105.00 | 40% | 1.10 | 3034.00 |
| Road | 97.29 | 14.00 | 40% | 1.10 | 599.00 |
| Green & buffer space | 96.14 | 5.00 | 40% | 1.10 | 212.00 |
| **Total processing zone** | **847.92** | | | | **99703.00** |
| **Non-processing area** | | | | | |
| Public & support amenity | 18.88 | 0.14 | 70% | 1.10 | 2534.00 |
| Road | 7.15 | 14.00 | 40% | 1.10 | 44.00 |
| **Total Non-processing area** | 26.04 | | | | 2578.00 |
| **Total** | **873.96** | | | **Load in kVA** | **102281.00** |
| | | | | **Load in mVA** | **48.02** |
| **Total Load in mVA** | | | | | **~ 102** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

Power supply to EZ

Based on the assessment, it is found that the power demand for the proposed EZ would be about 102 mVA. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

To cater this power demand, a main receiving 132/33/11 kV sub-station shall be established within the proposed site.

During the initial phase of development, 33/11 kV main receiving sub-station (MRSS) shall be established within the site and as suggested by the officials, power to this sub-station shall be availed by establishing 33 kV overhead transmission line from 33/11 kV Tikorpur sub-station located at an aerial distance of 8 km from the site (based on proposed tentative alignment). Based on the discussions had with REB officials, it is understood that the existing Tikorpur sub-station has total capacity of 20 mVA with a surplus capacity of approximately 12 mVA which will not be sufficient to cater the ultimate power demand of EZ. Based on the demand growth of EZ, the proposed 33/11 kV MRSS within EZ site shall be upgraded to 132/33 kV sub-station and incoming 132 kV overhead transmission line shall be established from 132/33 kV Nawabgonj grid sub-station located at an aerial distance of 25 km from the site (based on proposed tentative alignment).

Power supply network planned within EZ

The receiving sub-station is located within EZ near the incoming line from which an internal distribution network is planned along the proposed road network of EZ to feed the individual plots as shown in the next page.

Figure 75: Internal power supply network of EZ


*Source: MACE analysis*

## *10.3.3. Water*

Demand estimation basis

The water demand estimation carried out on the next page is at ultimate level and based on published standards, guidelines and best industry standards. However, this is indicative in nature and may vary on the on-ground implementation of the project.

Table 93: Water demand estimation norms

| Description | Reference – published standards, guidelines and best industry norms |
|---|---|
| **Processing area** | |
| Industries | 70 cum / ha / day - process water demand & 45 litres per capita per day for domestic |
| Utilities | 45 litres per capita per day |
| Road | 1.8 cum / ha / day |
| Green | 1.8 cum / ha / day |
| **Non- processing area** | |
| Public and support amenity | 45 litres per capita per day |
| Road | 1.8 cum/ha/day |

*Source: MACE analysis, published standards, guidelines and best industry norms*

Table 94: Water consumption pattern

| For industrial facilities | |
|---|---|
| **Potable water** | 66.67% |
| **Non- potable water** | 33.33% |

*Source: MACE analysis*

Water demand calculation

The summary of water demand for EZ is given below

Table 95: Summary of water demand

| S.No. | Description | Processing area | Non- processing area | Total | Unit |
|---|---|---|---|---|---|
| **1** | Total average demand | 19991 | 83 | 20074 | cum/day |
| **2** | Total potable water demand | 10164 | 55 | 10219 | cum/day |
| **3** | Total non-potable water demand | 9826 | 28 | 9854 | cum/day |
| **4** | Fire demand | 87 | 3 | 90 | cum |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

Table 96: Estimation of average daily water demand

| Land use pattern | Total area | Water demand | | | | | |
|---|---|---|---|---|---|---|---|
| | **acres** | **Process water** | **Domestic water** | **Loss @ 10 percentage** | **Total** | **Potable** | **Non-potable** |
| | | **In cum/day** | | | | | |
| **Processing area** | | | | | | | |
| Industrial plots | 588.81 | 16687 | 1341 | 1803 | 19831 | 10161 | 9669 |
| Utility | 65.67 | | 5 | 0 | 5 | 3 | 2 |
| Road | 97.29 | | 71 | 7 | 78 | | 78 |
| Green & buffer space | 96.14 | | 70 | 7 | 77 | | 77 |
| **Total processing area** | **847.92** | **16686.91** | **1486.33** | **1817.32** | **19990.57** | **10164.40** | **9826.17** |
| **Non processing area** | | | | | | | |
| Public & support amenity | 18.88 | | 70.00 | 7.00 | 77.00 | 55.00 | 22.00 |
| Road | 7.15 | | 5.21 | 0.52 | 5.73 | | 5.73 |
| **Total non-processing area** | **26.04** | | **75.21** | **7.52** | **82.73** | **55.00** | **27.73** |
| **Total** | **873.96** | **16686.91** | **1561.54** | **1824.85** | **20073.30** | **10219.40** | **9853.90** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

Water supply to EZ

Based on the assessment, it is found that the total potable water demand for the proposed EZ would be about 10 MLD. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

Based on the discussion had with officials and local, it is understood that the groundwater in the region is at a depth of more than 600 feet. Hence, groundwater can be relied to meet the initial water demand of proposed EZ.

River Ichamati is immediately adjacent to the proposed site on its South & Southwest side and River Dhaleshwari/Kalinga is at an aerial distance of about 0.8 km (~1 km) from the site in the Northeast direction. Based on the discussion had with the UNO officials, it is understood that River Dhaleshwari/Kalinga is perennial in nature and shall be relied to meet the water demand of the proposed EZ. It is proposed to provide suitable water intake system near the river basin at an approximate distance of 1 km from the site based on proposed tentative alignment. However, detailed study and hydrogeological investigations need to be carried out to determine the exact intake point and intake system. Hence, it is suggested that the suitable intake system and intake point shall be proposed during detailed engineering stage.

The potable water supply network is proposed along the proposed internal roads of EZ. The layout depicting proposed potable and non-potable water supply network is provided in next page.

Figure 76: Potable and Non-Potable water supply network


*Source: MACE analysis*

Estimated water storage capacity

The estimated storage capacity calculated based on the arrived water demand is provided in the following table.

Table 97: Sump storage capacity

| S. No. | Description | Processing area | Non- processing area | Unit |
|---|---|---|---|---|
| 1 | Potable water | 10164 | 55 | cum |
| 2 | Non- potable water including fire demand | 9914 | 30 | cum |
| | **Total** | **20078** | **85** | **cum** |

*Source: MACE analysis(total figures might have minor aberrations due to rounding off the decimals)*

Table 98: ELSR capacity

| S. No. | Description | Processing area | Non- processing area | Unit |
|---|---|---|---|---|
| 1 | Potable water | 847 | 5 | cum |
| 2 | Non- potable water | 819 | 2 | cum |
| | **Total** | **1666** | **7** | **cum** |

*Source: MACE analysis(total figures might have minor aberrations due to rounding off the decimals)*

Above tables lists out the water storage capacity required to be established at the EZ site on basis of calculation of the water requirements. As per the tables, total sump storage capacity that would be required is 20163 cum and total ELSR storage capacity requirement is 1673 cum.

Required pipe size and pump capacity

The required pipe size and pump capacity is provided in the following tables.

Table 99: Pipe size -water supply network

| Pipe size in mm | Processing area length in m | | Non -processing area length in m | |
|---|---|---|---|---|
| | Potable water | Non-potable water | Potable water | Non-potable water |
| 40 | | | 900 | 900 |
| 110 | 4873 | 19493 | | |
| 140 | 1949 | | | |
| 160 | 1949 | | | |
| 200 | 1949 | | | |
| 250 | 1949 | | | |
| 300 | 1949 | | | |
| 350 | 975 | | | |
| 400 | 975 | | | |
| 450 | 975 | | | |
| 500 | 975 | | | |
| **Total** | **19493** | **19493** | **900** | **900** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

Table 100: Pump capacity

| Description | | Processing area | Non-processing area | Unit |
|---|---|---|---|---|
| Potable water | Capacity | 0.11 | 0.001 | cum/sec |
| | Number of pumps | 2 W+1S | 2 W+1S | |
| | Power requirement of each pump | 58.00 | 0.30 | Kw |
| Non- potable water | Capacity | 0.23 | 0.00064 | cum/sec |
| | Number of pumps | 2 W+1S | 2 W+1S | |
| | Power requirement of each pump | 56.00 | 0.10 | Kw |

*Source: MACE analysis(total figures might have minor aberrations due to rounding off the decimals)*

The requirement of pipe size and pump capacity has been calculated in the above tables on basis of the water demand, water storage capacity and the size of the EZ site.

## *10.3.4. Effluent Generation*

The basis for calculating the effluent quantity is provided in the below tables.

Table 101: Effluent generation pattern

| Description | Percentage |
|---|---|
| From process water (potable) | 70% |
| From process support water (non-potable) | 30% |

| | |
|---|---|
| Total | 100% |

*Source: MACE analysis, published standards, guidelines and best industry norms*

The effluent generation quantity from process water of industries has been estimated and shown in the next page

Table 102: Effluent generation estimation

| Land use pattern | Total area | Effluent generation | Sewage generation | | Sullage generation | Total effluent, sewage and sullage generation | Infiltration @10% | Total sewage quantity |
|---|---|---|---|---|---|---|---|---|
| | acres | in cum/day | In % | In cum/day | In cum/day | | | |
| **Processing area** | | **In Cum/day** | | | | | | |
| | | | | | | | | |
| Industrial plots | 588.81 | 10095.58 | 0.72 | 318.99 | 822.62 | 1141.61 | 147.50 | 1289.11 |
| Utility | 65.67 | | 0.72 | 1.07 | 2.76 | 3.83 | 0.50 | 4.33 |
| Road | 97.29 | | | | 70.19 | 70.19 | 7.80 | 77.99 |
| Green space | 96.14 | | | | | | 7.71 | 7.71 |
| **Total processing zone** | **847.92** | **10095.58** | | **320.06** | **895.58** | **1215.64** | **163.50** | **1379.13** |
| **Non-processing area** | | | | | | | | |
| Public & support amenity | 18.88 | | 0.32 | 6.28 | 48.00 | 54.28 | 7.70 | 61.98 |
| Road | 7.15 | | | | 5.16 | 5.16 | 0.57 | 5.73 |
| **Total Non-processing area** | **26.04** | | | **6.28** | **53.16** | **59.44** | **8.27** | **67.71** |
| **Total** | **873.96** | **10095.58** | | **326.34** | **948.73** | **1275.08** | **171.77** | **1446.85** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

From the assessment, the estimated effluent generation quantity works out to 10 MLD and is planned to treat the effluent to non-potable quality standard and shall be used to meet the non-potable water demand of EZ. Effluent collection network is considered along the roads connecting industrial units. During on ground implementation of the project, based on type of occupant industrial units and their effluent characteristics, required number of CETPs and techniques shall be decided. However, it has to be ensured that all the CETPs shall treat the effluent to non-potable water quality standard.

Effluent network

The entire effluent network is planned along the proposed internal roads of EZ in the processing area. The layout depicting effluent network and location of CETP is provided below.

Figure 77: Effluent network


*Source: MACE analysis*

Required pipe size

Table 103: Pipe size- effluent network

| Pipe size in mm | Processing area length in m |
|---|---|
| 150 | 6822 |
| 200 | 4873 |
| 300 | 3898 |
| 400 | 1949 |
| 500 | 975 |
| 600 | 585 |
| 700 | 390 |
| **Total** | **19492** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

The above table mentions the length of pipe that would be required for collection of effluent from the EZ site.

## 10.3.5. Drainage

Based on the site gradient, the drainage pattern has been decided. It has been planned to discharge the flow of the internal drain into River Ichamati.

- The drainage system is planned to cater for the entire EZ through gravity flow;
- Drains are proposed to be provided on both sides of the roads;
- Open trapezoidal drain is considered for the surface run off collection due to easy maintenance for the primary road. Stone pitching is considered for the side walls and PCC for the base;
- Covered rectangular brick masonry drain is considered for the remaining areas for optimization of area under drainage;
- RCC box / pipe culverts of suitable sizes are considered for road crossings; and
- Rainwater harvesting structures are envisaged all along the drain at every 100 m interval.

Figure 78: Internal storm water drain network


*Source: MACE analysis*

## *10.3.6. Solid Waste*

The estimated solid waste quantity is provided in the following table. The estimated solid waste quantity is about 8 TPD. It is suggested to adopt bio-methanation process for treating the bio-degradable waste generated within EZ. The other waste such as non-bio-degradable and industrial waste etc., shall be transported outside EZ to landfill for recycling/further treatment.

Table 104: Estimation of MSW generation

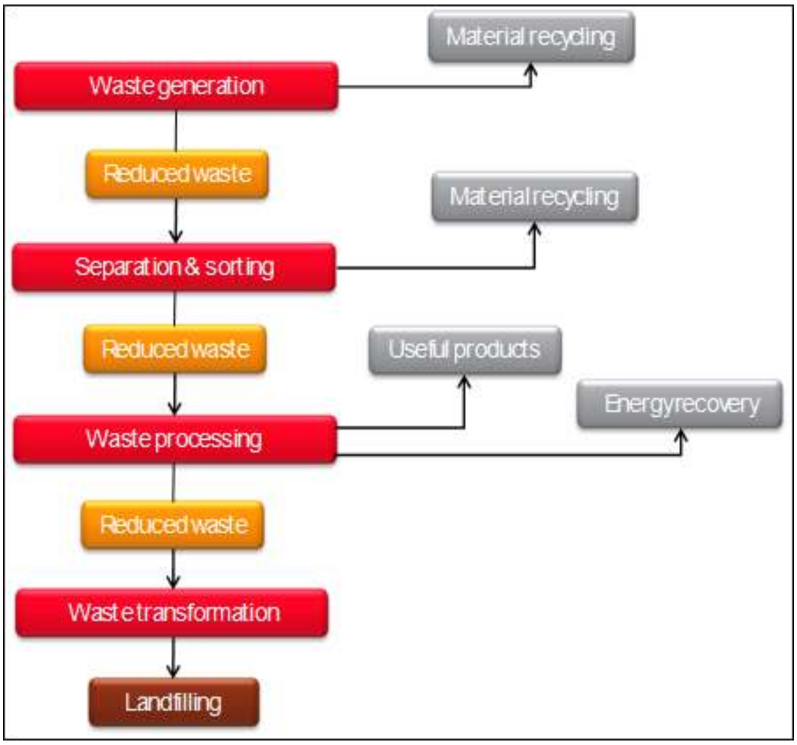
| Land use pattern | acres | Population | Msw generation | Unit | Kg/day |
|---|---|---|---|---|---|
| **Processing area** | | | | | |
| Industrial plots | 588.81 | 29797 | 200 | gm/capita/day | 5959.40 |
| Utility | 65.67 | 100 | 100 | gm/capita/day | 10.00 |
| Road | 97.29 | | 10.12 | kg/ha/day | 398.63 |
| Green & open space | 96.14 | | 30.36 | kg/ha/day | 1181.76 |
| **Total processing zone** | **847.92** | **29897** | | | **7549.79** |
| Public & support amenity | 18.88 | 1000 | 100 | gm/capita/day | 100.00 |
| Road | 7.15 | 0 | 10.12 | kg/ha/day | 29.30 |

| | | | | | |
|---|---|---|---|---|---|
| **Total Non-processing area** | **26.04** | **1000** | | | **129.30** |
| **Total** | **873.96** | **30897** | | | **7679.09** |
| Total solid waste generation in TPD | | | | | **8** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off decimals)*

Flow diagram depicting the waste reduction technique suggested for proposed EZ through integrated SWM is provided in below figure.

Figure 79: Waste reduction by integrated SWM




*Source: MACE analysis*

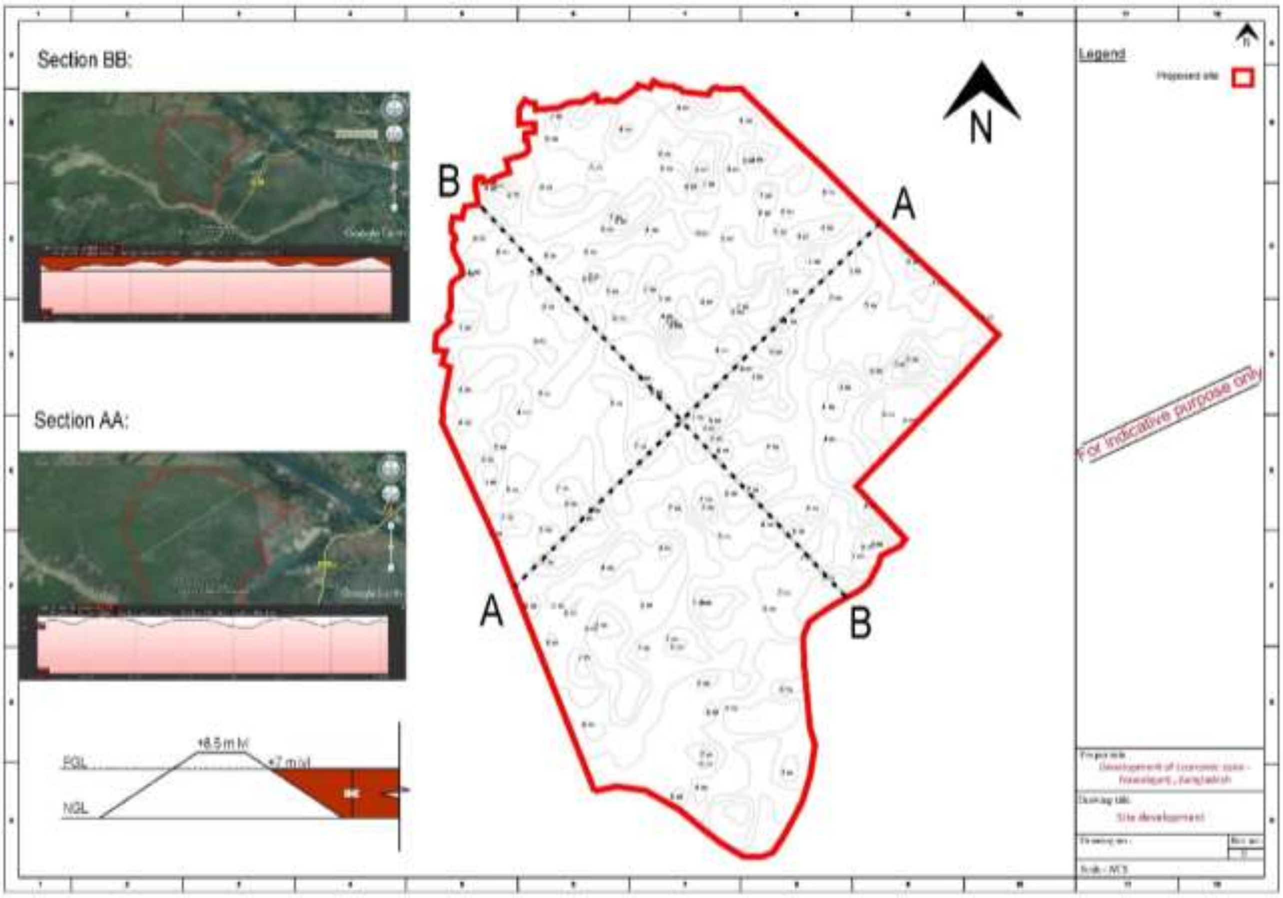
### Site development for EZ

From the site visit, it is observed that the site is on an average level of 1.2 m below adjacent approach road. Also, there are low lying areas within the site. This necessitates to develop embankment with suitable level of site filling within EZ site for which contour study has been carried out.

The understanding about the historical flood level (HFL) variation and river morphology data supports to decide the alignment and top level of the proposed embankment and the depth of site filling. The **Annexure 37** shows the HFL data recorded in proposed EZ region and **Annexure 38** shows the river morphology data recorded in Dhaleshwari river.

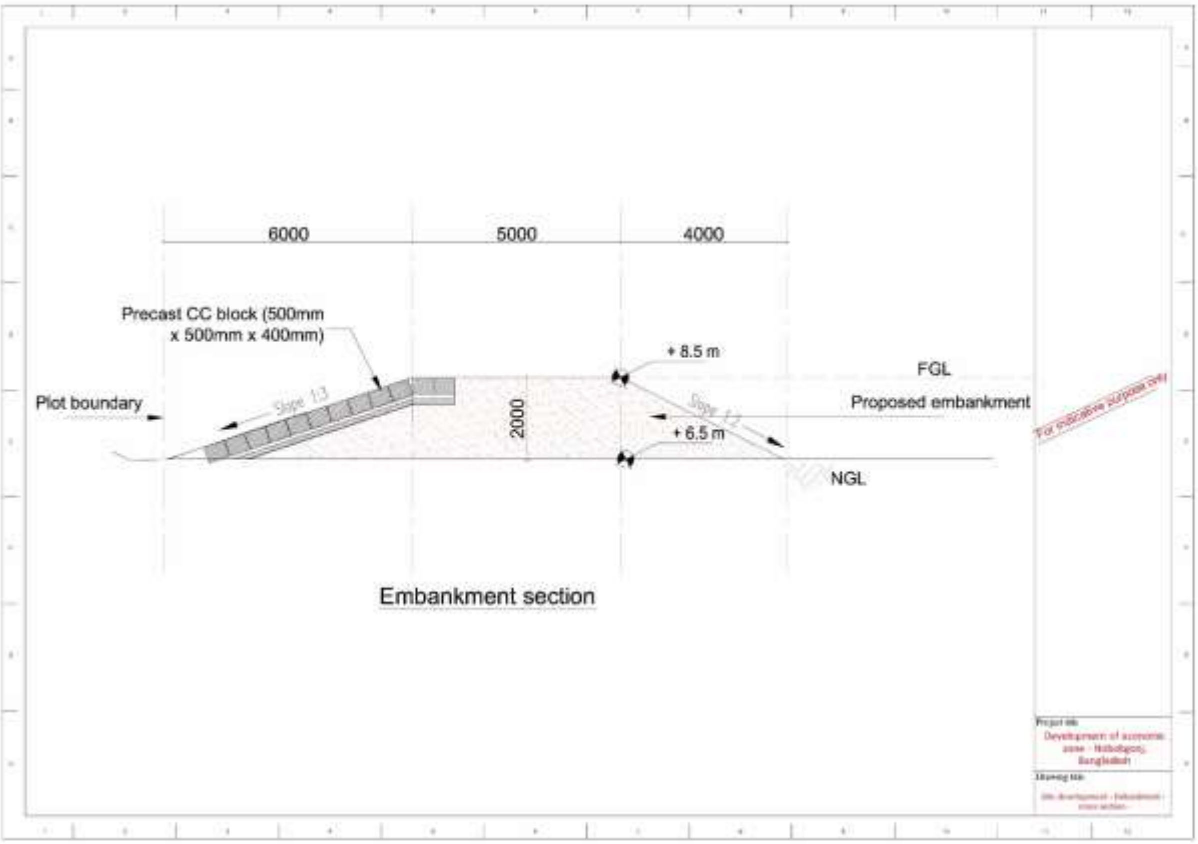
To avoid the water inundation, it is required to develop embankment for the length of 8 km along the site with necessary slope protection works. This necessitates suitable level of site filling within EZ site for which contour study has been carried out. Based on the study of contour, it is found that the site needs to be filled for a depth of about 1.2 m on an average and the total estimated site filling quantity is about 4244148 cum. Dredged sand from River Dhaleshwari is suggested as a source for site filling. However, detailed hydrostatic study has to be carried out for identifying the suitable point of dredging and necessary permission has to be obtained from Bangladesh Inland Water Transport Authority (BIWTA) authorities for dredging of sand from the river for site filling.

Figure 80: Site development layout




*Source: MACE analysis*

Figure 81: Embankment cross section

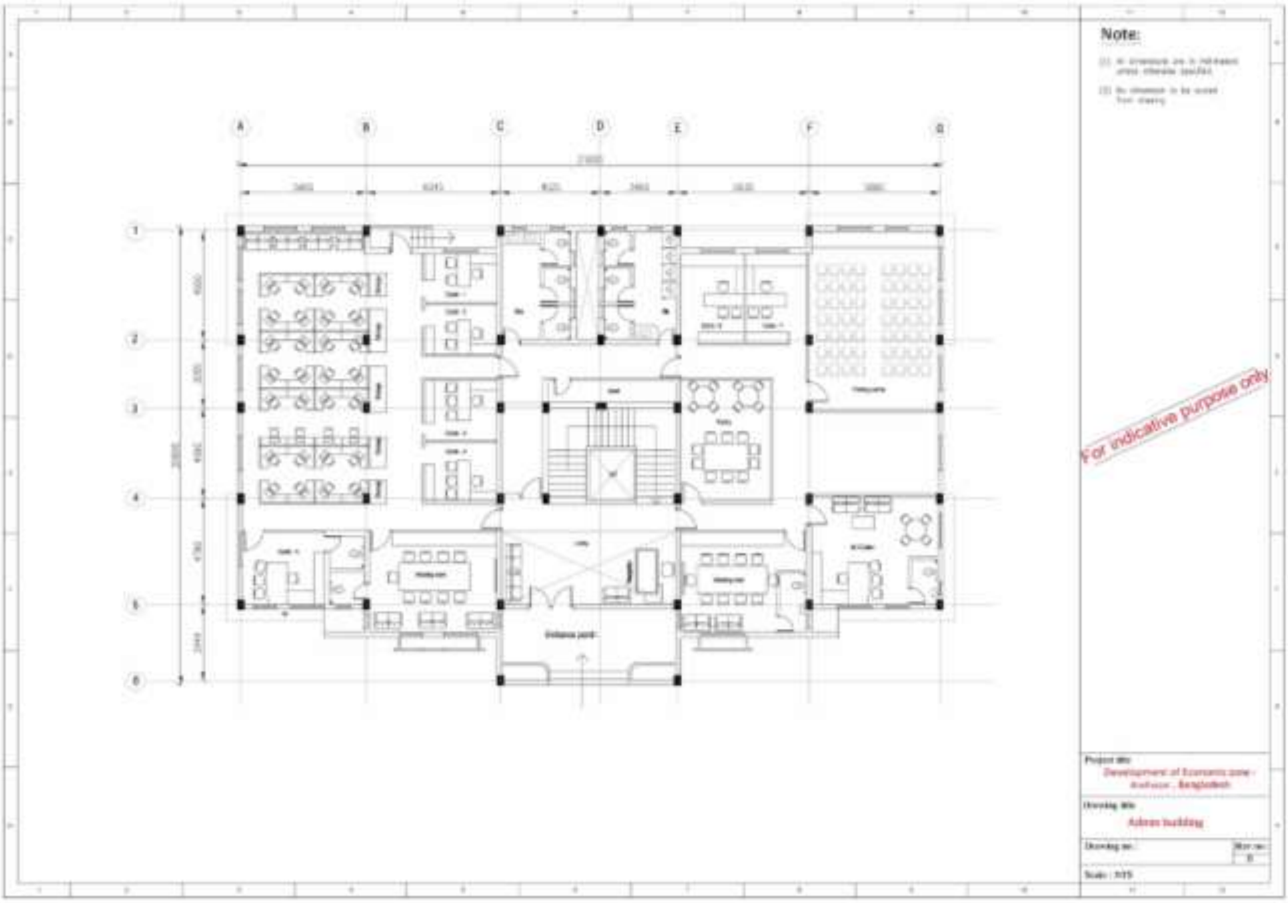



*Source: MACE analysis*

### Administration building

It is proposed to construct an administrative building consisting of 1500 sqm of built-up area, G+2 structures within EZ. The administration building layout is depicted in figure on next page.

Figure 82: Administration building layout




*Source: MACE analysis*

## *10.4. Infrastructure Cost Estimates*

A component wise breakdown of the cost of developing on-site infrastructure as mentioned in this report has been elaborated in the following table.

Table 105: On-site infrastructure cost estimates

| Description of item | Quantity | Unit | Price without tax (In million Taka) | Phase I Cost Breakdown | Phase II Cost Breakdown | Phase III Cost Breakdown |
|---|---|---|---|---|---|---|
| **Site development** | | | | | | |
| Site filling | 4244148 | Cum | 1905.62 | 1905.62 | | |
| Embankment | 8.00 | KM | 1427.16 | 1427.16 | | |
| **Total** | | | **3332.78** | **3332.78** | | |
| | | | | | | |
| **Road network** | | | | | | |
| **Internal road network** | 20.4 | KM | **3082.42** | 1232.97 | 1078.85 | 770.60 |
| | | | | | | |
| **Footpath** | 20.4 | KM | **283.84** | 113.54 | 99.35 | 70.96 |
| | | | | | | |
| **Storm water drain** | 20.4 | KM | **161.65** | 64.66 | 56.58 | 40.41 |
| | | | | | | |
| **Power supply** | | | | | | |
| Internal 11 kV power distribution line (OHT) | 22.1 | KM | 30.87 | 12.35 | 10.80 | 7.72 |
| Internal 33 kV power distribution line (OHT) | 3.9 | KM | 15.44 | 6.18 | 5.40 | 3.86 |
| Generator - 2MVA capacity | 2 | Nos | 90.00 | 45.00 | 45.00 | 0.00 |
| Street light | 20.4 | KM | 71.88 | 28.75 | 25.16 | 17.97 |
| Security light | 8.0 | KM | 23.36 | 23.36 | | |
| Internal 33/11 kV sub-station | 2 | Nos | 300.00 | 150.00 | 150.00 | |
| Internal 132/33 kV sub-station | 1 | Nos | 500.00 | | | 500.00 |
| | | | | | | |
| **Total** | | | **1,031.54** | **265.63** | **236.37** | **529.55** |
| | | | | | | |
| **Water supply** | | | | | | |
| Water supply network | 20.4 | KM | 144.06 | 57.63 | 50.42 | 36.02 |
| Sump & overhead tank | 21.84 | MLD | 478.65 | 191.46 | 167.53 | 119.66 |
| Water distribution pumps | 12.00 | Nos | 6.22 | 2.49 | 2.18 | 1.55 |
| Pump room | 256.00 | Sqm | 18.00 | 18.00 | | |
| Water treatment plant(WTP) | 10 | MLD | 208.30 | 83.32 | 72.91 | 52.08 |
| Fire hydrant | 136 | Nos | 10.04 | 4.02 | 3.52 | 2.51 |
| **Total** | | | **865.27** | **356.91** | **296.55** | **211.82** |

| Description of item | Quantity | Unit | Price without tax (In million Taka) | Phase I Cost Breakdown | Phase II Cost Breakdown | Phase III Cost Breakdown |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Effluent and solid waste collection/treatment** | | | | | | |
| Effluent network | 19.5 | KM | 47.23 | 18.89 | 16.53 | 11.81 |
| Effluent treatment plant (CETP) | 11.60 | MLD | 1740.00 | 696.00 | 609.00 | 435.00 |
| Solid waste management | 8 | TPD | 106.39 | 42.55 | 37.23 | 26.60 |
| **Total** | | | **1893.61** | **757.45** | **662.76** | **473.40** |
| | | | | | | |
| **Telecom** | 20.4 | KM | **209.48** | 83.79 | 73.32 | 52.37 |
| | | | | | | |
| **Sustainable infrastructure elements** | | | | | | |
| landscaping & Greenery along road | 294626 | Sqm | 32.90 | 13.16 | 11.52 | 8.23 |
| Embankment along water channel | 6.0 | km | 28.15 | 28.15 | | |
| **Total** | | | **61.06** | **41.32** | **11.52** | **8.23** |
| | | | | | | |
| **Support amenities** | | | | | | |
| Administration building | 1500.00 | Sqm | 219.14 | 219.14 | | |
| Fire station | 2000.00 | Sqm | 611.60 | 611.60 | | |
| **Total** | | | **830.74** | **830.74** | **-** | **-** |
| | | | | | | |
| **Project sub-total** | | | **11,752.40** | **7,079.78** | **2,515.28** | **2,157.34** |

*Source: Source: SoR of PWDB, REB, BWDB, PCGB & MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

Apart from the costs considered above, calculation of total project cost also takes into consideration the construction costs of Standard Factory Buildings (SFB) and implementing environmental management plan. The costs for these components are listed below –

- Per sq. ft cost of constructing SFB has been taken to be 1,712 BDT/sq. ft. over an area of 30 acres having 60% coverage. The cost of constructing SFBs is ~1342 million BDT; and
- The cost of implementing environmental management plan during construction phase is taken to be 87.84 million BDT. This cost covers expenses of environmental and social experts that developer would have to hire and social and environmental audit and studies that would have to be taken in order to prevent damages to local fauna, flora and residents during the construction period.

In view of considering these additional expenses, total cost of developing the EZ site would be **~12,880 million BDT (without SFB).**

## *10.5. Key Takeaways*

On-site infrastructure captures the internal infrastructure facilities which need to be developed within the project site. Development of on-site infrastructure is responsibility of the developer. The major on-site infrastructure considered for the proposed EZ are internal road network, power sub-station, wastewater treatment plant and other internal infrastructure facilities.

Key recommendations formulated from this exercise are outlined below-

- In accordance to the prevailing development guidelines of BEZA, a well-defined hierarchy of roads planned within the proposed EZ (such as primary road of 30 m width, secondary road of 25 m width and collector road of 20 m width);
- It is planned to collect the incoming water from the source through proposed storage structures such as sump and ELSR from which the water shall be distributed along proposed internal road network connecting each plot of EZ;
- Potable and non-potable water distribution pipeline along the roadside for plot connection has been considered individually;
- CETP has been proposed to treat the wastewater and effluent generated from EZ. The entire effluent network is planned along the proposed internal roads of EZ. It is proposed to use the treated water for non-potable purpose such as flushing, watering to green areas etc. as well as for industrial usage such as cooling, cleaning etc.; and

Block cost estimated based on the above outlined infrastructure components have been considered in the financial model.

# 11. Social Review

## 11.1. Purpose and Objective

As per the Resettlement and Social Management Framework (RSMF), which has been adopted in order to comply with the social safeguards requirements of the World Bank's operational policy on Involuntary Resettlement (OP 4.12), the proposed project is required to conduct a Social Impact Assessment Study of the impact area. The policy requires that all unavoidable adverse impacts be mitigated with appropriate measures to enhance, or at least to preserve, the current living standards of those who would be affected by any subproject under PSDSP.

In the process of social review, an overall understanding of the social conditions of the project area were assessed which included: examination of the number of PAPs, type of vegetation, presence of agricultural fields, type of crops and cropping patters, extent of compensation for land acquisition, livelihood restoration, identification of Common Property Resources (CPR) falling within the proposed site and impact on structures due to the land acquisition.

## 11.2. Methodology of Social Review

Social review has been undertaken to ensure that potential social impacts/concerns are recognized at an early stage of project preparation, so that these concerns can be effectively addressed during subsequent stages.

The study for this project incorporates both secondary and primary information gathered through individual consultations, stakeholder interaction, and interactions with people within the project influence area. The broad methodology followed by the team and the objective for undertaking the social impact assessment, are detailed below:

- To gather necessary information on existing socio-economic and cultural conditions in the project area for establishing the baseline;
- Determine magnitude of (a) potential social impacts, positive as well as negative and (b) identify sensitive socio-economic cultural issues and vulnerable social groups.
- Identify key stakeholders and establish an appropriate framework for their participation in the project selection, design and implementation;
- Ensure that project objectives and incentives for change are acceptable to the range of people intended to benefit;
- Identification of areas which might require further social analysis.

The choice of methodology, sub-tasks/activities and their sequencing has been determined by these specified objectives and is guided by the World Bank safeguard policy guidelines.

## 11.3. Socio-Economic Environment

The key parameters that are required to establish a baseline socio-economic profile of population within the project's area of influence include gender, ethnicity, social structure, employment patterns, sources of income, local tenure and property rights arrangements, common property resources (CRP) use of community and natural resources. Primary information gathered by undertaking the screening survey, individual consultations and other stakeholder interaction and secondary information sourced from published references have been analyzed to establish the socio-economic baseline. As, the proposed economic zone is located in Dawlatpur, Nawabganj Upazila in Dhaka district; the socio-economic profile of Nawabganj Upazila is detailed below.

### 11.3.1. Geography

Nawabganj is located at 23.6667°N 90.1667°E with a total area 244.81 km² and consists of 47,411 households as per the Census record of 2011. It is bounded by singair upazila on the north, dohar upazila on the south, keraniganj, serajdikhan and sreenagar upazilas on the east, harirampur and manikganj sadar upazilas on the west.

### 11.3.2. Demography

As per the 2011 census, Nawabganj Upazila has a total population of 318,811 and the total male and female population at the Upazila is 149,298 and 169,513 respectively. The population density per sq. km is 1302, with the average household size being 4.47. The sex ration (M/F) for the Upazila is 88.

### 11.3.3. Social Infra Structure

Nawabganj Upazila has the following social infrastructure and public utility structures in its vicinity.

Table 106: Social Infrastructure in Nawabganj Upzila

| Social infrastructure | Numbers |
|---|---|
| Govt. Primary Schools | 90 |
| Non-Govt. Primary Schools | 80 |
| Registered primary Schools | 31 |
| Community Schools. | 3 |
| KG Schools | 54 |
| Secondary High School | 37 |
| School and Collages | 2 |
| Collages | 3 |
| Bank | 32 |
| Mosque | 442 |
| Charch | 6 |
| Temple | 292 |
| Govt. Hospital (50 Bed facility) | 1 |
| Trauma Centre (50 bed facility) | 1 |
| Satellite clinics | 72 |
| Health and Family Planning Centre | 12 |
| Non-Govt. Clinic | 11 |

*Source: Bangladesh Bureau of Statistics*

### 11.3.4. Livelihood and Economy

According to Bangladesh District Statistics, the project area comprises of a total of 2,266,479 holdings, of which 10.65% holdings are farms, producing varieties of crops, namely, local and HYV rice, wheat, jute, tobacco, potato vegetables, spices, pulses etc. Various fruits like mango, jackfruit, lichee, black berry, palm betel-nut, banana etc. are the main fruits of the District. Varieties of fish are caught from rivers, beels and paddy fields during rainy season. The most common fishes are ruhi, katla, mrigel, magur, singi, koi, puti, shoil, gazar, boal, etc. All these fishes are economically valuable. Besides these common varieties, some other well-known varieties of fish are pangash, airh, bacha, rita batasi, khalisha and chingri are found. Besides crops, livestock and poultry are the subsidiary source of household income of the District.

## 11.4. Calculation of land cost

The proposed site falls within Dawlatpur Mouza of Koilail Union in Nawabganj Upazila of Dhaka district. The total area proposed for EZ development is 874.00 Acres. For the development of EZ, the authority of BEZA proposes to acquire 840.74 acres of private agricultural land. As per the sub-registry office of Nawabganj, the total cost of the private land parcel is valued at is 5144.32 million (BDT) and Government land value is 193.93 million (BDT). The government land valuation document is annexed to the report.

**Impact on Land Acquisition:**

Basis information obtained from AC Land Office Nawabganj and union Land Office *Koilail*, the details of the land parcel to be used for the development of the Economic Zone are:

Table 107: Details of land

| SL No | Name of Mouza | Total land (Acre) | Ownership Pattern (Acre) | | Type of land Categories (Acre) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Private | Khas | Nul | Khal | Halot | Fallow land | other |
| 1 | Dawlatpur | 874.00 | 840.74 | 33.26 | 847.5 | 20.98 | 4.9 | .62 | |

*Source: AC Land Office Nawabganj and union Land Office Koilail*

Table 108: Cost of different categories of Land

| SL No | Name of Mouza | Land Categories & Land Price (million BDT) | | | | |
|---|---|---|---|---|---|---|
| | | Nul | Khal | Halot | Fallow land | Total |
| 1 | Dawlatpur | 5185.68 | 118.79 | 29.98 | 3.79 | **5338.25** |

*Source: Sub-registry Office, Nawabganj*

For the development of this Economic Zone, BEZA proposes to acquire 874.00 acres land, out of which the private land acquisition is for 840.74 acres. In accordance to the current legislations governing land acquisition of Bangladesh is the Acquisition and Requisition of Immovable Property Act 2017 (hereinafter, “the Act”) which replaces the old 1982 Ordinance on Acquisition and Requisition of Immovable Property and BEZA’s RSMF, cost of land was taken as 3 times the cost obtained from AC land office for all categories. The Table above (Table 3) captures cost of land as per land office records.

Categories of land parcel:

**<u>Private land:</u>**

Nul-840.74 acre

**<u>Government land:</u>**

Nul-6.76 acre

Khal-20.98 acre

Halot-4.9 acre

Fallow land-0.62 acre

Out of the 840.74 acres of private land,

- 40% is dual cropped land, i.e., two crops are grown round the year
- 30% is triple cropped land, i.e., 3 crops are grown round the year
- 25% is single cropped land
- 5% is used for fish farming, wherein PAPs cultivate fish by capturing rain-fed water.

Generally, two steps are followed to determine replacement value for the land acquired. The first one is the ‘Conventional’ rule set by the law often called DC payments or Cash compensation under law (CUL). Second, the project has provision for ‘top up’ payments to match replacement value for land acquired in the case of difference between DC valuation and current market price (CMP).

A detailed Social Impact Assessment (SIA) study should be carried out and Resettlement Action Plan (RAP) needs to be prepared for the PAPs in accordance to World Bank safeguard standards and Government of Bangladesh's social and resettlement rules.

The proposed site boundary superimposed on Mouza Map and affected details of Plots are furnished in Annexure 19 and 35 to this report.

# 11.5. Requirements for SIA and RAP

## 11.5.1. Social Impact Assessment Requirement

The ideal situation for any project would be that it does not have any adverse impact on the population around. In practical, that is not always possible. The proposed EZ at Nawabganj Upazila under Dhaka district in will cause acquisition of about 840.74 acres mostly of private land, and the rest 33.26 Acres of land is Khas land. Based on site visits and stakeholder consultations, it can be surmised that 95% of the private land is cultivated land and around 5% is used for fish farming, usually in the form of catchment areas from naturally rising waters. Within the 95% of private land being used for cultivation, 40% land is dual cropped round the year, 30% land is triple cropped round the year, and 25% land is single cropped land.

The Khas land is also used for the purposes of fish farming, mostly during the rainy season and some during the dry season. A detailed social impact assessment (SIA) should be carried out to assess the standard of living of this population, and hence arrive at an estimate of the losses that they will have to face in terms of loss of livelihood opportunities. The SIA report may be used further for putting together a resettlement action plan to diminish the adverse impacts to the affected population, as well as provide compensation as required. The SIA report can also be used to understand the existing social fabric amongst the affected population, and this can deepen the understanding of what an R&R plan will require.

**Land Acquisition & Impact Mitigation Objectives**

The principles and guidelines proposed in the RSMF are to avoid or minimize adverse impacts on private landowners and khas/public land users; mitigate the adverse impacts that are unavoidable; and assist the project affected persons (PAPs) to improve, or at least to restore, their living standards and income earning and production capacity to the pre-acquisition levels. To achieve these objectives, BEZA will consistently adhere to the following guidelines:

- Avoid or minimize private land acquisition;
- Avoid or minimize displacement from private homesteads;
- Avoid or minimize displacement of persons and households who may have been using khas/public lands for residential, commercial and other purposes; and
- Mitigate the adverse impacts associated with private land acquisition; displacement from khas/public lands; use of common property resources; and temporary displacement/closure of business and livelihood activities during implementation of the civil works.

**RSMF & Impact Mitigation Plans**

The principles, policies and guidelines as proposed in this RSMF will apply, irrespective of PSDSP components, to all EZs and similar sub-projects, and their off-site support infrastructures that will involve private land acquisition and use of khas/public lands.

## 11.5.2. Requirement of RAP

The development of the EZ is envisaged on land parcel of 874.00 acres which is contained only in 1 Mouza of Dawlatpur located within Nawabganj Upazila in Dhaka district. Majority of the lands is owned privately with current usage pertaining to agriculture throughout the year. Thus, the proposed project will result in the loss of livelihood. Based on consultations with the community, it was estimated that the number of Project Affected Persons (PAPs) will be 1800 minimum within the demarcated project area. This would require the development of a comprehensive Resettlement Action Plan for the affected people.

In cases of acquisition, a part of the compensation for lands and other affected assets built or grown thereon will be assessed and paid to the title holding PAPs by the Deputy Commissioners (DCs), the heads of the Acquiring Bodies. If this payment, 'compensation under-law' (CUL), is found smaller than their replacement costs and/or market prices, BEZA will directly pay the difference or 'top-up' to make up for the shortfall.

With or without acquisition compensations/assistance due to all other PAPs, such as non-titled persons, business owners and employees and those, who are not covered by the acquisition act, but eligible according to this RSMF, will also be directly paid by BEZA.

*Top-up Determination and Payment:* Where an owner loses lands and other assets in more than one *mouza* or land administration unit, the person will be counted once, and his/her top-up will be paid together. The amount of top-up due to the affected person will be determined by comparing the *total amount of CUL* paid by the DCs for lands and other assets acquired in all mouzas with the *total replacement costs and/or market prices thereof.*

Compensation/entitlement due to the PAPs, including those who are not covered by the acquisition act, but eligible according to this RSMF, will be paid in full before they are evicted from the acquired private and khas/other public lands.

Based on the principles proposed for impact mitigation, the following tables define the specific entitlements for different types of losses, entitled person, and the institutional responsibility to implement them.

Table 109: Loss of Lands (Agricultural, Homestead, Commercial & Others)

| Ownership Type | Entitled Person | Entitlement | Responsibility |
|---|---|---|---|
| Private | Legal Owners, as determined by DCs, or by courts in cases of legal disputes | Compensation-under-law (CUL) or replacement costs, whichever is greater.<br>**If applicable**<br>• Top-up equal to the difference between CUL and replacement costs.<br>• Transition allowance (TA) for income loss (see Loss Category 5). | CUL paid by DC<br><br>Top-up & TA paid by Project |
| Khas & Other Public Lands Under Lease. | Leaseholders | • Contractual obligations with the public agencies, as determined by DCs, and / or Contractual obligations with other GOB agencies. | Paid by DC and/or Project |
| Vested Non-Resident | Current Owners/Users | Transition allowance for income loss | Paid by Project |

Table 110: Loss of Agricultural, Business, Employment & Rental Income

| Ownership type | Entitled Person | Entitlement | Responsibility |
|---|---|---|---|
| **Agricultural Income:**<br>*If acquisition amounts to 20% or more of the total productive area* | Legal owners as determined by DCs, or by courts in cases of legal disputes | • Current market value of trees, based on species, size and maturity.<br>• Current harvest prices of fruits on trees, if they are uprooted before harvest.<br>• Owners are allowed to sell the trees and keep them. | By Project |
| *If acquired VNR lands are agricultural* | *Present Owners/Users* | • Transition allowance equal to three times the harvest prices of one year's crops produced in the acquired parts of the lands. | By Project |
| Business Income: Temporary closure of | Business Owners (premise / land owners & tenants) | Compensation, based on 30 days' average daily net income, for the actual number of days the businesses remain closed or complete the civil works | By Project |

| Ownership type | Entitled Person | Entitlement | Responsibility |
|---|---|---|---|
| businesses in existing premises<br><br>Partially affected businesses | Business Owners (premise/land owners & tenants) | Compensation, calculated as above, for smaller of the number of days needed to repair and reopen the individual business premises, or complete the civil works. | By Project |
| Businesses requiring removal from the existing premises and spots | Business Owners (premise/land owners & tenants) | Relocation in khas/public lands, plus compensation, calculated as above, for a period of 30 days; or Compensation, calculated as above, for the number of days the business owners need to find alternative locations themselves, but for a maximum period of 90 days. | By Project |
| Loss of employment income | Business Employees | Compensation at current daily wage rates for the period needed to reopen the businesses, or for a maximum of 30 days. | By Project |
| Loss of income from rented-out premises on private Lands & VNR Lands | Legal Owners and Current Owners/Users of VNR lands | Six months' rent at the current rates to the owners of the premises on private lands.<br>Three months' rent at the current rates to the owners/users of premises on VNR lands | By Project |

Table 111: Unforeseen losses

| Impact Type | Entitlement Person | Entitlement | Responsibility |
|---|---|---|---|
| As may be identified during subproject preparation & implementation | As Identified | As determined in consultation with World Bank and the stakeholders. | By Project |

## *11.5.3. Land Requirements and Resettlement Issues*

One of the most important activities under PSDSP is identifying locations and making the required lands available for the Economic Zones. Although the land area for the individual EZs will vary in terms of location, land availability and the preferred economic activities, the required amounts are expected to develop support infrastructures like new access roads, or improving/widening the existing ones to connect the EZs with the major highways; sewerage systems; power distribution; water supply; and the like. In any case, BEZA has planned to obtain the lands from the khas under the Ministry of Land and unused lands belonging to various GOB agencies; and by acquisition from private ownerships. It is also possible that in rare situations, especially where the required private lands are very small in amounts and are to be urgently made available for civil works, BEZA may as well go for direct purchase from the landowners. Barring those with direct purchase, the potential resettlement issues are expected to be associated with,

- Displacement of persons/households who may have been using, without authorization, the khas and other public lands to live in and/or earn a living (non-titled persons);
- Resumption of leased-out khas and other public lands from private citizens, which may have been in use for residential, commercial or other purposes; and
- Acquisition of private lands which may cause displacement from whatever economic activities presently are there, including loss of homesteads. Given that the EZ would use lands in large parcels, it is also

possible that some households may become completely landless, if they have all their lands in the selected sites.

Considering the potential impacts, BEZA proposes to obtain khas/public lands which may have been under authorized and unauthorized private uses, and private lands by using the following means:

**Khas and Other Public Lands**

- Under Authorized Use: If the required lands are presently under lease from the Deputy Commissioner (in cases of khas) or any other GOB agencies, BEZA may seek to use them by fulfilling the lease stipulations.
- Under Unauthorized Use: BEZA will take them back by mitigating the associated adverse impacts consistent with the World Bank's OP 4.12 and OP 4.10.

**Private Lands**

- Wherever found absolutely necessary due to lack of other alternatives, BEZA will use the present Acquisition and Requisition of Immovable Property Act 2017 and any other applicable legislations, and mitigate the associated adverse impacts in compliance with the Bank's OP 4.12 on Involuntary Resettlement and OP 4.10 on Indigenous Peoples.
- Direct purchases from private landowners in compliance with the Bank's specified guidelines. Simplest of the means to obtain private lands is direct purchase from the landowners and resolve the resettlement issues, if any, in the transaction process. However, given the possibility that the private landowners would be quite large in number and not all would be willing to sell, the remaining means is to use the state's power of eminent domain and acquire the lands according to the established legal framework. While all private lands will be acquired, there might be occasions, however rare, when BEZA may need to urgently use small amounts of private lands that may not have been included in the LAPs submitted to the Acquiring Body and the legal acquisition process is already well underway or completed. In situations like this and considering the lengthy acquisition process, BEZA may decide to purchase the lands directly from the owners in accord with the following guidelines:
- All direct purchases must be on a 'willing buyer-seller basis. That is, the landowners cannot be forced or intimidated directly or indirectly to sell and at prices that are lower than the current market rates for similar lands.
- Prices for lands and other assets created or grown on them are to be negotiated and paid transparently in the presence of community leaders and organizations, NGOs, and others who are respected by the local people for their fairness and integrity. BEZA will always try to avoid dealing with middle-men (dalal) and remain fair and transparent by having the communities and individuals, as suggested, participate in the transaction process.
- Documentations consisting of minutes of price negotiations indicating location, amount, and any assets built or grown (structures, trees, etc.); names, addresses and telephone numbers of persons participated in the negotiations; and the purchase records are required to be submitted to the Bank for its review and clearance.

## 11.6. Overview of Social Legal and Policy Requirements

The current legislations governing land acquisition for Bangladesh is the Acquisition and Requisition of Immovable Property Act 2017 (hereinafter, "the Act") which replaces the old 1982 Ordinance on Acquisition and Requisition of Immovable Property. The Act provides safeguards for landowners and has provisions for payment of 'fair value' for the property acquired. The act also made provisions for payment of crop compensation to tenant cultivators. However, it does not cover project-affected persons without titles or ownership record and does not ensure their replacement value of the property acquired. It does not permit the affected persons to take the salvageable materials for which compensation has been paid by the DC. It has no provision of resettlement assistance and transitional allowances for restoration of livelihoods of the non-titled affected persons.

In all cases, the Deputy Commissioner (DC) determines (i) market value of acquired assets on the date of notice of acquisition (based on the registered value of similar property bought and/or sold in the area over the preceding

12 months); and (ii) 200% premium on the assessed value (other than crops) due to compulsory acquisition. The DC payments "awarded" to owners is called cash compensation under law (CCL). The market value determined by DC is invariably less than the real market price as owners customarily report undervalued land transaction prices in order to pay lower stamp duty and registration fees. The premium paid by DC has been increased from 50% to 200% of market value for government land acquisition and to 300% in case of private land acquisition in the new act. However, even so in most cases the compensation remains less than the real market price or replacement value (RV).

World Bank's policy on involuntary settlement OP 4.12 covers direct economic and social impact caused by (a) the involuntary taking of land resulting in (i) relocation or loss of shelter; (ii) loss of assets or access to assets; or (iii) loss of income sources or means of livelihood, whether or not the affected persons must move to another location; or

(b) the involuntary restriction of access to legally designated parks and protected areas resulting in adverse impacts on the livelihoods of the displaced persons

Table below shows the comparison of GOB's Act and WB policy gaps between WB OP 4.12 and GOB 2017 Act.

Table 112: Gap analysis: WB OP 4.12 and GoB 2017 Act

| Gaps between WB OP 4.12 and GOB 2017 Act. | Recommendation to bridge the gaps |
|---|---|
| Gaps with regard to avoidance and minimized project impacts | The project designs including that of the associated facilities should aim to minimize impacts. |
| Existing GOB laws recognize title owners only; informal settlers are not covered. | All affected persons irrespective of titles will need to be identified for compensation and assistance |
| Existing laws and methods of assessments do not ensure full replacement costs. However, the 2017 Act has increased the provisions for compensation. | Provisions should be adopted for additional top-up payments to ensure replacement costs at current market price |
| Consultation with affected community is not legally required under the Act. | Extensive consultations will need to be carried out during the preparatory phase; similar consultation will continue during project implementation |
| The affected land owners can object to the acquisition in the beginning but once the hearing is done and settled, there is no scope of further complaint during the acquisition process. | There will be a provision of two-tier grievance redress mechanism in the project. One local level GRC (LGRC) and another project level GRC (PGRC). |
| No support or programme for income and livelihood restoration | The project benefits will include income and livelihood restoration |
| No provision for reconstruction or replacement of non-religious common property resources | The project will reconstruct all physical and cultural resources (PCRs) and common property resources if affected by the project. |

*Source: PwC Analysis*

## 11.7. Stakeholder Consultation

### 11.7.1. Introduction and Objective

This section provides the stakeholder identification and analysis as well as a brief understanding of the engagement process for the project. "Stakeholder" refers to those who have plausible stake in the environmental/social impacts of the project or activity are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate. It is highly desirable for all key stakeholders to arrive at a consensus on sensitive features, impacts and remedial actions. Stakeholder identification was done by examining the potential impacts of the project in terms of:

- Who may be affected directly (project affected people);
- Which agencies might have responsibility for the impact management;

- Which other organizations might have an interest in monitoring proponent activities or have local knowledge to contribute;
- Which private/non-government sector entities might face financial and social hardships if the predicted impacts do occur.

The stakeholders identified in the project comprise of project impacted people, project beneficiaries, various government officials.

The main objective of the consultation process is to minimize negative impacts of the project and to maximize the benefits from the project to the local populace. The objectives of public consultation as part of this project are:

- Promote public awareness and improve understanding of the potential impacts of proposed projects
- Identify alternative sites or designs, and mitigation measures
- Solicit the views of affected communities / individuals on environmental and social problems
- Improve environmental and social soundness
- Clarify values and trade-offs associated with the different alternatives
- Identify contentious local issues which might jeopardize the implementation of the project
- Establish transparent procedures for carrying out proposed works
- Inform the affected populace about the entitlement framework and to settle problems with mutual consent
- Create accountability and sense of local ownership during project implementation; and
- To obtain information on baseline environment

### 11.7.2. Methodology for Stakeholder's Consultation

Different techniques of consultation with stakeholders were used during project preparation, viz., in-depth interviews, public meetings, group discussions etc. to understand the socio-economic profile of the community and the affected families, baseline environment, environmental/social concerns etc. A two-fold Stakeholder Consultation Meeting (SCM) was carried out simultaneously during the social review. In this regard, the SCMs were conducted firstly with both the primary and secondary stakeholders and later, affected persons within the occupation and gender-based groups were consulted through Focused Group Discussions (FGD). The Focused Group Discussions (FGD) were carried out with different group at the proposed EZ area. PWC personnel discussed about the future developments and benefits to the community due to the development of the EZ. The FGD was carried out in presence of local businessman, fish cultivator, fishermen and local elites. The details of attendees has been annexed in annexure 20 to the report.

### 11.7.3. Level of Consultation

Public consultations in the form of institutional and focused group discussions were carried out in the months of September till December of 2019. The types of consultations done with various participants using various tools including, interviews with government officials, focused group discussion etc. are presented in the table below.

Table 113: Types of consultations

| Level | Type | Key Participants |
|---|---|---|
| **Institutional** | Stakeholder Meeting | Various Govt. Officials |
| **Community** | Focused Group Discussion | PAP, marginalized people |

### 11.7.4. Institutional Stakeholders Consultation

Date of Meeting: 25 September 2019

**Location of Meeting**: UNO Office, Nawabgonj Upazila, Dhaka

Officials Met:

| Name of Person | Designation | Contact Details |
|---|---|---|
| Mr. H. M. Salauddin Monzu | Upazila Nirbahi Officer, Nawabganj Upazila | 01933444037 |
| Md. Razibul Islam | Assistant Commissioner Land | 01737084914 |
| Dr. Md. Shahidul Islam | Upazila Health & Family Planning Officer | 01911567415 |
| Dr. Md. Jakir Hossain | Upazila Livestock Officer | 01716418937 |
| Md. Hasan Ahmed | Upazila Project Implementation Officer | 01732584589 |
| Ms. Israt Jahan | Upazila Fisheries Officer | 01913391476 |
| Md. Nazrul Islam Sheikh | Upazlia Youth Development Officer | 01552631176 |
| Ms. Rahima Begum | Upazila Women Affairs Officer | 01718144197 |
| Md. Anwar Rahman | Upazila Engineer, Nawabganj | 01762492752 |
| Md. Saidul Islam Khan | Sub Assistant Engineer, DPHE | 01783312905 |
| Md. Jakir Hossain | Junior Officer, PSB | 01723863791 |
| Md. Taibur Rahman | Rural Development Officer, BRDB | 01716048269 |
| Md. Mominul Islam | AGM, DPBS – 2 | 01769400410 |
| Md. Abdur Rahim | UCO, Nawabganj | 01550027085 |
| Md. Siddique Nur Alam | Upazila Secondary Education Officer | 01715025461 |
| Md, Najim Uddin | Forester, Nawabgonj | 01815429798 |
| Ms. Jasmin Ahmed | Upazila Education Officer | 01670160193 |
| Ms. Maina Mosteca Dalia | Upazila Resource Centre | 01711009291 |
| Ms. Asma Jahan | Agriculture Extension Officer, Nawabganj | 01685043023 |
| Ms. Farjana Abedin | Upazila Election Officer | 01550042225 |
| Ms. Sharmistha Kundu | UPO, RLP, BPDB | 01931998238 |

**Salient Points of Discussion**

At the beginning, the officials from Upazila Nirbahi Office, Nawabgonj Upazila welcomed the idea of developing economic zone in the region and country by BEZA and expressed their consent on the same. Discussions were held on various developmental aspects of the proposed EZ like land acquisition status, utilities, rehabilitations and resettlement issues, etc. The discussion was concluded by a visit to the project site. Some of the key features discussed were as follows:

- The stakeholders' discussion with the local populace and Upazila Agricultural Officer indicated that, crop rotation is being practiced in the proposed area two crop cultivations being predominantly undertaken.
- From the proposed site is approachable via road to the Capital city Dhaka and Mawa Ghat as well as Padma Bridge (under construction)
- Dhaleshwari and Ichamati are the main River passing adjacent to the proposed EZ. The Groundwater depth in the region of the proposed site varies between 600 to 700 ft which is potable in nature.

## *11.7.5. Focused Group Discussions*

The Focused Group Discussions (FGD) were carried out with different group at the proposed EZ area on 15-12-2019. PWC personnel discussed about the future developments and benefits to the community due to the development of the EZ. The FGD was carried out in presence of local farmers, local elites and youth group. Locals from very adjacent villages i.e. Dawlatpur west and north participated in the discussion. The details of the Focused Group Discussions are furnished below. The details of attendees has been attached in **Annexure 20.**

*Table 114: Details of Focus Group Discussions*

| Relevant Stakeholders | Issues | Suggestion/Demand from participants | Remarks |
|---|---|---|---|
| *Affected Land Owners, Farmers, Social Elites (11 persons)* | • Loss of Agriculture Land<br>• Loss of livelihood<br>• Land Value<br>• Loss of employment and business | • Acquisition of cultivable agricultural land should be avoided for the development of economic zone. The economic zone needs to be developed over barren land.<br>• The agricultural land is significant livelihood income source and employment generation mode for the inhabitants specifically farmers group. Therefore, without making arrangement for employment of these people, agricultural land should not be acquired for EZ.<br>• GoB land prices is not like local market price. For compensation, current market price of the locality should be considered<br>• Due to Land acquisition and project development, some of the PAPs will become unemployed; especially farmers of the area who are not literate. To ensure their livelihoods security, job opportunities should be created in EZ | Employment should be given to the PAPs from the earliest stage of site development so that they don't get economically deprived/become jobless<br><br>Current market prices for the land to be acquired should be considered when deciding compensation. |
| *Local Youth Group*<br><br>*(7 Participants)* | • Employment opportunity<br>• Development social infrastructure<br>• Skills training to enhance the competency<br>• Priority for local manpower | • If the project is developed, various job opportunities will be created<br>• This project may lead to social development, however the environmental issues during the construction and operational phases should be considered.<br>• The skill training should focus on soft skills development, community-oriented courses, craftsman training (for semi-skilled opportunities). The training system should lead to trained young people in employable skills who are open to immediate employment opportunities.<br>• Youth group noted that the project affected youths should | • Employment opportunities for the local youths shall be provided on a priority. |

| Relevant Stakeholders | Issues | Suggestion/Demand from participants | Remarks |
|---|---|---|---|
| | | be prioritized for employment opportunities. | |

*Source: FGD at site*

**Summary of Social Impacts**

- The development of the project would cause direct impact on more possibly more than 1800 PAPs, in terms of loss of private and cultivable lands.
- The development of the project will impact the existing livelihood patterns as it will disrupt income generated from cultivating crops and from fish farming.
- The existing economic structure will be impacted due to the development of the EZ, as that will potentially bring new types of jobs and livelihood opportunities that are different from the livelihood opportunities associated with farming.
- The project requires a detailed social assessment and the development of a comprehensive resettlement Action Plan which comprises of livelihood generation and livelihood restoration strategies.
- The project preparation should also take into account the existing levels of literacy and skills in the area, so as to ascertain skill requirements for the PAPs to take advantage of the new jobs that are created during the construction as well as operation phases of the EZ.
- Along with fish farming, the acquisition of land may also have direct impact on the grazing grounds for cattle that are located within the private lands.

## 11.8. Conclusion

For the development of the proposed EZ, BEZA proposes to obtain 874.00 acres of land, comprising of mostly cultivable private land.

According to local consultation meeting, more than 1800 PAPs would be directly and indirectly affected as a result of development of this project.

**As per the sub-registry office of Nawabganj, the total cost of the private land parcel is valued at is 5144.32 millon (BDT) and Government land value is 193.93 million (BDT).**

A detailed Social Impact Assessment (SIA) study should be carried out and Resettlement Action Plan (RAP) needs to be prepared for the PAPs in accordance to World Bank safeguard standards and Government of Bangladesh's social and resettlement rules.

# 12. Environmental Review

## 12.1. Purpose and Objective

The Environmental and Social Review has been undertaken with the following objectives –

- To facilitate an understanding of the elements of the existing baseline conditions of project's area of influence;
- To identify the aspects of the project likely to result in significant impacts to environmental and social resources/receptors;
- To analyse and map relevant stakeholders involved in the project;
- To predict the significance of the impacts of the Project;
- To develop an understanding for the management and monitoring of impacts; and
- Preparation of Environmental Management Plan (EMP)

## 12.2. Methodology of Environmental Review

The methodology for the environmental review of the proposed site are:

- Identification and review of applicable local, state, national and international environmental and social regulatory and institutional frameworks;
- Establishment of baseline conditions of the site and surrounding area through the following:
  - ➢ Detailed surveys to observe environmental and social characteristics of the project area;
  - ➢ Discussions with the stakeholders and identification key issues during planning, construction and operation phase of the project;
  - ➢ Baseline data collection of the site and project area with respect to water, ambient air and noise quality etc.
  - ➢ Ecological assessment on flora and fauna of the site and project area through secondary data collection and consultation with stakeholders.
  - ➢ Assessment of the socio-economic environment through collation of secondary information of the site, supplemented by consultations with the local communities to understand community perception with regard to the project and its activities;
- Impact Assessment and Mitigation Measures for environmental and social components for pre-construction/construction and operation phases. To minimize the adverse impacts mitigations measures will also be suggested; and
- Development of Environmental Management Action Plan which includes the following:
  - ➢ Mitigations for adverse environmental impacts and associated risks;
  - ➢ Institutional arrangement - management tools and techniques for the implementation of environmental impacts and risk mitigations;
  - ➢ Monitoring and reporting of requirements and mechanisms for the effective implementation of the suggested mitigations;
  - ➢ Monitoring arrangements for effective implementation of suggested mitigations for the proposed project.

## *12.3. Overview of Environmental Legal, Regulatory and Policy requirements for the project (GoB, WB etc.)*

This section highlights the regulatory requirements set out by Government of Bangladesh (GoB) and World Bank (WB) in relation to protection of environment and its resources as well as protection of the social environment from adverse impacts associated with the project development. These requirements are summarized in the table below.

Table 115: Applicability of Key Environmental Legislation at a Glance

| Name | Key Requirement | Applicability | Remarks |
|---|---|---|---|
| **Acts/Rules** | | | |
| The Environment Conservation Act, 1995 and subsequent amendments in 2000 and 2002 and 2010<br><br>Environment Conservation Rules, 1997 (Subsequent Amendments in 2002 and 2003) | • Mandatory requirement of prior environment clearance for certain category of project for conservation and improvement of environment and control and mitigation of pollution of the environment.<br>• To ascertain responsibility for compensation in case of damage to ecosystem<br>• Restriction on polluting automobiles, sale and production of environmental harmful items.<br>• Promulgation of standards for quality of air, water, noise and soil for different areas for different purposes.<br>• Declaration of ecologically critical areas<br>• Promulgation of standard limit for discharging and emitting waste.<br>• Formulation and declaration of environmental guidelines.<br>• Categorization of industries, development projects and other activities on the basis of pollution activities of the existing or proposed industries/ development projects/ activities. | Applicable. The project is classified under red category EIA study required to be undertaken | Environmental Clearance certificate is to be obtained from DoE |

| Name | Key Requirement | Applicability | Remarks |
| --- | --- | --- | --- |
| Environment Court Act, 2000 and subsequent amendments in 2002 | To give high priority to environment pollution prevention | Applicable as the project shall have environmental impacts | All the developments to be carried out in compliance to ECA, 1995 & ECR, 1997 and amendments. |
| The Private Forests Ordinance Act, 1959 | Conservation of private forests and for the afforestation on wastelands. | Applicable as the tree cutting is involved in development of the project | Tree cutting to be carried out after taking permission from Forest Department |
| The Protection and Conservation of Fish Act, 1950 and subsequent amendments in 1982 | Prohibit or regulate the construction, temporary or permanent of weirs, dams, bunds, embankment and other structures | Applicable. The project involves construction of dams along river stretches. | Necessary permission would need to be taken for construction of such structures |
| Water Pollution Control Ordinance 1970 | Prevention of water pollution | Applicable from the prospective of prevention of pollution | Applicable during both construction stage (e.g. sewage and equipment washing and maintenance liquid waste discharges at construction camps) and operation phase |
| The ground Water Management Ordinance 1985 | • Management of Ground Water Resources.<br>• Tube well shall not be dug in any place without permission from Upzilla parishad. | Not Applicable. Since no use of ground water is proposed. | |
| The Embankment and Drainage Act 1952 | An Act to consolidate the laws relating to embankment and drainage and to make better provision for the construction, maintenance, management, removal and control of embankments and water courses for the better drainage of lands and for their protection from floods, erosion and other damage by water. | Applicable. The project proposes construction of embankment and alteration of water course | Regulatory authority Ministry of Water Resources and FCD |
| Bangladesh Water Act 2013 | As per the act no person or organization is allowed to cause alteration of water course without permission from authority | Applicable. The project proposes alteration of water course | Regulatory authority is National Water Resource Council |

| Name | Key Requirement | Applicability | Remarks |
|---|---|---|---|
| The Building Construction Act 1952 (with latest amendment 2006) | An Act to provide for the prevention of haphazard construction of building and excavation of tanks which are likely to interfere with the planning of certain areas in Bangladesh | Applicable as the project involves development of infrastructure | Regulatory authority is Ministry of Works |
| The Vehicle Act, 1927<br>The Motor Vehicles Ordinance, 1983 The Bengal Motor Vehicle Rules, 1940 | To regulate vehicular exhaust emissions | Applicable as heavy vehicle movement is involved both during construction and operation phase | Regular maintenance and up keeping of the vehicles should be carried out. Regulatory authority is Bangladesh Road Transport Authority |
| The Factories Act, 1965<br>Bangladesh Labor Law 2006, amendment 2013<br>Bangladesh Labor Rules 2015 | This Act pertains to the occupational rights and safety of factory workers and the provision of a comfortable work environment and reasonable working conditions. | Applicable as the workers will be employed during construction and operation phase | Regulatory authority is Ministry of labor |
| **Policies** | | | |
| National Environment Policy, 1992 | For sustainable development | Applicable for all development projects | Usage of energy efficient building material, fuel etc. should be encouraged |
| National Environment Management Action Plan 1995 | Conservation of natural habitats, bio-diversity, energy, sustainable development and improvement of life of people | Applicable for all development projects | Usage of energy efficient material, green building techniques, reduction of carbon foot prints etc. |
| National Conservation Strategy | Sustainable development of Industrial Sector | Applicable for all development projects | Usage of energy efficient material, green building techniques, reduction of carbon foot prints etc. |
| The National Energy Policy, 1995 | Protecting the environment by requiring an EIA for any new energy development project, introduction of economically viable and environment friendly technology. | Applicable. EIA study is to be carried out | Energy efficient materials and techniques should be explored |
| The National Water Policy, 2000 | To ensure efficient and equitable management of water resources, proper harnessing and development of surface and ground water, availability of | Applicable. Ground / surface water is required to be withdrawn for | Conjunctive use of water should be explored |

| Name | Key Requirement | Applicability | Remarks |
|---|---|---|---|
| | water to all concerned and institutional capacity building for water resource management | fulfilling water requirement | |
| The National Water Management Plan, 2001 | Addresses options for water quality, considerations behind measures to clean up industrial pollution, where effluent discharge monitoring and zoning regulations for new industries are emphasized | Applicable as the proposed development will involve generation of sewage | Installation of sewage treatment facility within the premises |
| **World Bank's Safeguards** | | | |
| OP 4.01<br>Environmental<br>Assessment | Ensures sustainability and environmental feasibility of the project. Projects are classified into A, B & C category depending on the nature and extent of the impact. | Triggered | Project classified as Category A considering impacts of project |
| OP 4.12<br>Involuntary Resettlement | Ensures safeguards to address and mitigate risks due to involuntary resettlement such as economic, social and environmental risks. | Triggered | The proposed project requires acquisition of private land |
| **Private Sector Development Support Project** | | | |
| Environment & Social Management Framework (ESMF) | Describes all the mandatory environmental and social clearances and purpose of the same required to be taken before development of the project | Triggered | The framework sets out mitigation, monitoring and institutional measures to be taken during design, implementation and operation of the project activities to eliminate adverse environmental impacts, offset them, or reduce them to acceptable levels. |

*Source: PwC analysis*

## 12.4. Project Description

With the vision of improving the economy of the country and generating livelihood for the population, Government of Bangladesh (GoB) has planned an era of organized industrialization by following the footsteps of other South Asian countries. GoB set up Bangladesh Economic Zones Authority (BEZA) as the nodal agency and regulator of EZ development within the country. BEZA has set forth an ambitious target of developing 100 EZs in the coming 15 years spread across various locations of Bangladesh.

In line with the aspiring growth plan of the GoB, BEZA has envisaged and planned the development of twelve prospective growth locations as economic zones (EZs) at various locations Across the country. BEZA (through the funding from World Bank) has engaged PricewaterhouseCoopers Private Limited (PwC) in association with

Mahindra Consulting Engineers Limited (MACE) and Infrastructure Investment Facilitation Company (IIFC) as sub consultants to undertake feasibility study of these project sites.

Proposed Nobabgonj EZ is one of these 12 sites.

Proposed EZ is spread over an area of 874 acres. The proposed site is approachable via road to the Capital city Dhaka and Mawa Ghat as well as Padma Bridge (under construction) which provide last mile connectivity to the Ez. The existing Dhaka-Chittagong highway (N1) is planned to be augmented from 4-lane to 6-lane. The corridor will be fenced for its entire length to control access and prevent unauthorized vehicles from entering Padma Bridge (under construction) is located at a distance of approximately 33 km from the project site. Once developed, connectivity with the major hubs in the country would be significantly improved, resulting is lesser travel distance and lower lead time of travel.

Based on the regional landscape and site intrinsic features, suitability of various industrial sectors has been assessed. The following industrial sectors emerged out as the potential industrial mix for the proposed EZ-

- Textiles & RMG
- Food & Beverages - Processed food
- Plastic & Rubber
- Non-Metallic Minerals
- Chemicals
- Leather & Leather products
- Pharmaceuticals
- Electronics & Electricals
- Light Machinery, Equipment, Bicycle

Master Plan of proposed EZ is furnished in the figure on the next page.

Figure 83: Master Plan of the Proposed Nobabgonj EZ site


*Source: MACE analysis*

# 12.5. Baseline Scenario

## 12.5.1. Location and Study Area

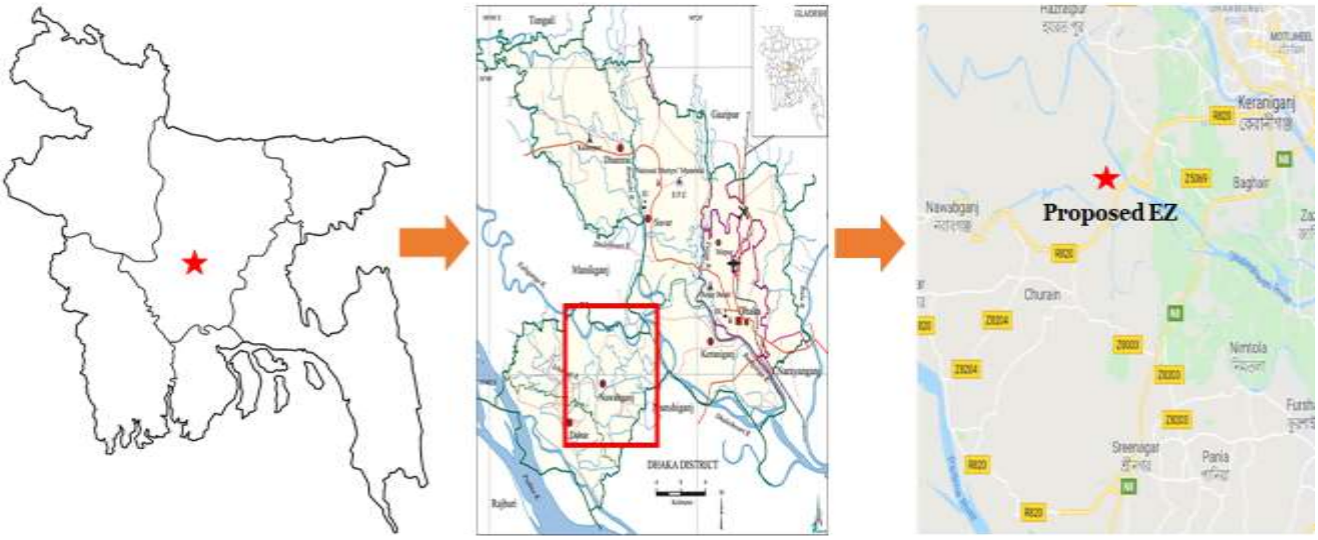
The proposed EZ is located in Nawabganj Upazila in Dhaka district of Bangladesh. Dhaka division is located at the South Eastern part of the country and is the largest division among the eight administrative units of Bangladesh. Nawabganj is one among these 17 districts of Dhaka division.

Nobabgonj EZ is located in the Nawabganj District in Dhaka division of Bangladesh. It is surrounded by the following districts:

- Dhaka – North East
- Keraniganj - East
- Dhaka Dohar– South West
- Manikganj Sadar - West
- Narayanganj – South East
- Singair – North

The proposed site falls within Dawlatpur Mouza of Koilail Union in Nawabganj Upazila of Dhaka district.

*Figure 84: Nobabgonj Site Location (Dhaka Division-Dhaka District-Nawabganj Upazila)*




*Source: Google Map and PwC Analysis*

Table 116: Proposed EZ Site Information

| Parameters | Details |
|---|---|
| Site co-ordinates | 23°39'58.24"N; 90°15'58.65"E |
| Site boundaries on East | Branch of Ichamati river on southeast, private developments and settlements on northeast |
| Site boundaries on West | Agricultural land and settlements |
| Site boundaries on North | Agricultural land, settlements and Dhaleshwari river with its branches |
| Site boundaries on South | Ichamati river |
| Total area of the site | 874 acres |
| Privately owned land | 840.74 acres |
| Government Land/ *Khas* land | 33.26 acres |

*Source: Google Map and PwC Analysis*

Figure 85: Location of the proposed EZ on Google Earth


*Source: Google Earth*

Dhaleshwari and Ichamati are the main rivers passing adjacent to the proposed EZ. The River Dhaleswari and Ichamati flows towards North-eastern side and Southern Side of proposed site boundary respectively. The rivers are identified as key feature of the site surrounding and currently has a significant role on the topography of proposed site. Number of channels and creeks originated from these two rivers flows through the proposed EZ site. Since the site is located on the flood plain of the rivers, 5 km radius from proposed site boundary has been considered as zone of influence due to the proposed development. Hence 5 Km radius is considered as study area for carrying out Environmental and Social review. Zila/Upazila level secondary information was also collected for various environmental and social components irrespective of any demarcated boundary.

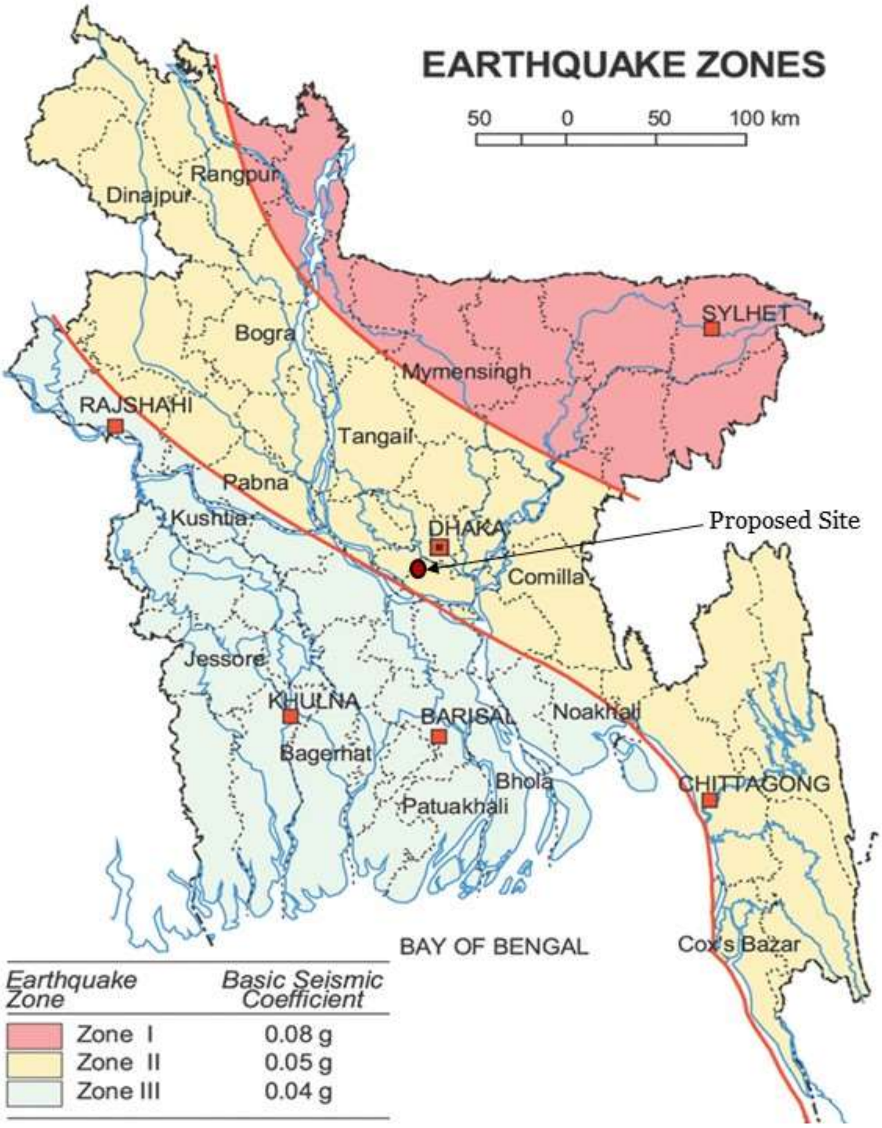
### 12.5.2. Topography and Seismology

From the site visit, it is observed that the site is on an average level of 2 m below adjacent approach road. Also, there are low lying areas within the site. To avoid the water inundation, it is required to develop embankment for the length of 8 km along the site with necessary slope protection works. This necessitates suitable level of site filling within EZ site for which contour study has been carried out.

Based on the study of contour, it is found that the site needs to be filled for a depth of about 1.2 m on an average and the total estimated site filling quantity is about 4244148 cum. Dredged sand from River Dhaleshwari is suggested as a source for site filling. However, detailed hydrostatic study has to be carried out for identifying the suitable point of dredging and necessary permission has to be obtained from Bangladesh Inland Water Transport Authority (BIWTA) authorities for dredging of sand from the river for site filling.

Bangladesh has been divided into three generalized seismic zones. The northeastern regions of Bangladesh are the most active zones and belong to the zone-I. The zone II consists of the regions of recent uplifted Pleistocene blocks and considered as moderately active. The southwest Bangladesh is seismically quiet zone and represented by zone III. Proposed site is located in Zone II.

Figure 86: Seismic Zoning Map of Bangladesh




*Source: Prime Minister's Office Library, Dhaka*

## 12.5.3. Climatological Condition

The area has a tropical monsoon climate. It has three main seasons i.e.

- Summer/Pre-monsoon - March to May
- Rainy Season/monsoon - June to October
- Winter season - November to February

Nawabganj experiences Annual average temperatures reach a maximum of 36 °C and a minimum to 12.7 °C with the annual rainfall total being 2,376 mm (93.5 in).

## 12.5.4. Land use Pattern

The proposed site is predominantly agricultural (2 crops) in nature. The site devoid of any significant tree cover. Few sporadically grown trees are found within the area earmarked for development of EZ. There is no presence of any forest land in an around the proposed EZ site. The River Dhaleswari and Ichamati flows towards North-eastern side and Southern Side of proposed site boundary respectively. Number of channels and creeks originated from these two rivers flows through the proposed EZ site. Landuse of proposed EZ site is presented in below table

Table 117: Present Land-use of Proposed EZ Site

| *Type of land Categories (Acre)* | | | | |
|---|---|---|---|---|
| Nul | Khal | Halot | Fallow land | other |
| 847.5 | 20.98 | 4.9 | .62 | |

*Source: Upazila Land Office*

## 12.5.5. Soil Environment

The soil of the project area is quite fertile. 840.74 acres out of 874.00 acres proposed for the EZ is of private (agricultural) in nature. As per the information obtained from locals and concerned institutional stakeholders, out of total private land earmarked for the project, about 40%, 30% and 25% are dual cropped, triple cropped and single cropped land respectively.

## 12.5.6. Air Environment

Based on the secondary information and the site reconnaissance survey it was observed that baseline air quality was satisfactory and air pollution poses little or no threat presently. This may be due to the fact that the project area is located in a rural area with no significant industries in the surrounding area and the traffic was relatively less. However, it is envisaged that, once the EZ is operational, the cumulative impact of upcoming Nobabgonj EZs may create significant air pollution.

To establish the baseline of the study area, ambient air quality monitoring was conducted by Bangladesh Environmental Engineering Training & Lab Services Ltd (BEETLSL), Bangladesh on January 09, 2021 to January 10, 2021. Ambient air (outdoor) quality of the project area was monitored for the parameters of NO2, SO2 and Suspended Particulate Matter. The monitored results for ambient air quality are furnished in the following table.

*Table 118 Ambient air quality in the Project Area*

| Parameter | Unit | Concentration Present | IFC Standard mg/m3 | Bangladesh Standard | Duration (hours) | Method of Analysis |
|---|---|---|---|---|---|---|
| **SPM** | µg/m³ | 176.89 | - | 200 | 24 Hr | Gravimetric |
| **$SO_2$** | µg/m³ | 11.54 | 125 | 365 | 24 Hr | West- Geake |
| **$NO_2$** | µg/m³ | 14.03 | 200 (1 Hr) | NYS | 24 Hr | Jacob and Hochheiser |

*Source: Primary monitoring conducted by BEETLSL, Bangladesh*

The detailed report on Ambient Air Quality Monitoring is furnished in the Annexure 36.

## 12.5.7. Noise Environment

Based on the secondary information and the site reconnaissance survey it was observed that baseline noise level was quite satisfactory. This may be due to the fact that the project area is located in a rural area with no significant industries in the surrounding area and the traffic was relatively less.

To establish the baseline condition of noise environment monitoring of noise level was carried out by Bangladesh Environmental Engineering Training & Lab Services Ltd (BEETLSL), Bangladesh on January 09, 2021 to January 10, 2021. The detailed report on Ambient Noise Quality Monitoring is furnished in the Annexure 36.

*Table 119 Noise quality in the Project Area*

| Sample Location | Land Use Category | Time | | | | Noise Level (dBA) (LAeq) | |
|---|---|---|---|---|---|---|---|
| | | Day | | Night | | Day | Night |
| | | Start | End | Start | End | | |
| **Nogabgonj Economic Zone** | Industrial Zone (proposed) | 9.00 AM | 4.59 PM | 6.00 PM | 1.59 AM | 49.9 | 33.6 |

**Noise level standard:**

| **Bangladesh ECR -1997Standard for** | **Day Time** | **Night Time** |
|---|---|---|
| **Industrial area** | 75 | 70 |
| **Commercial** | 70 | 60 |
| **Mixed area** | 60 | 50 |
| **Residential area** | 55 | 45 |
| **World Bank / IFC Standard** | Day Time | Night Time |
| **Industrial area** | 70 | 70 |
| **Residential; Intuitional; Educational** | 55 | 45 |

*Source: Primary monitoring conducted by BEETLSL, Bangladesh*

## 12.5.8. Water Environment

Based on the assessment, it is found that the total water demand for the proposed EZ would be about 10 MLD. This figure is indicative in nature and may vary based on on-ground implementation of the project. The developer may undertake a separate industry assessment and master planning exercise in order to validate this figure.

### 12.5.8.1. Ground Water

From the discussion had with officials and local, it is understood that the groundwater in the region is at a depth of 10-12 feet having more iron content and the potable groundwater is at greater depth of more than 600 feet. Hence, groundwater can be relied to meet the initial water demand of proposed EZ during construction stage.

To understand the ground water quality of the study area ground water sample was drawn by Bangladesh Environmental Engineering Training & Lab Services Ltd (BEETLSL), Bangladesh on January 09, 2021 for further analysis. Sampling of Ground water has been conducted by following grab sampling method. The analyzed result of ground water quality of the project area is furnished in below table. The detailed report on Ground Water Monitoring is furnished in the Annexure 36.

*Table 120 Ground water quality in Project Area*

| SL No. | Ground Water: Parameters | Concentration Present | Unit | ECR 1997 Standard for Drinking Water | Methods of Analysis |
|---|---|---|---|---|---|
| 1. | Total Dissolved Solids (TDS) | 24 | mg/L | 1000 | APHA22nd EDN.2012 (2540C) |
| 2. | BOD | 0.1 | mg/L | 0.2 | APHA22nd EDN.2012 (5210 B) |
| 3. | COD | 1.9 | mg/L | 4 | APHA22nd EDN.2012 (5220 B) |
| 4. | Turbidity | 1.2 | NTU | 10 | APHA22nd EDN.2012 (2130 B) |

| SL No. | Ground Water: Parameters | Concentration Present | Unit | ECR 1997 Standard for Drinking Water | Methods of Analysis |
|---|---|---|---|---|---|
| 5. | Total Coliform (TC) | 00 | CFU/100ml | 0.00 | APHA22nd EDN.2012 (9222H) |
| 6. | Fecal Coliform (FC) | 00 | CFU/100ml | 0.00 | APHA22nd EDN.2012 (9222B) |
| 7. | Total Iron (Fe) | 0.03 | mg/L | 0.3-1.0 | APHA22nd EDN.2012 (3500- Fe) |

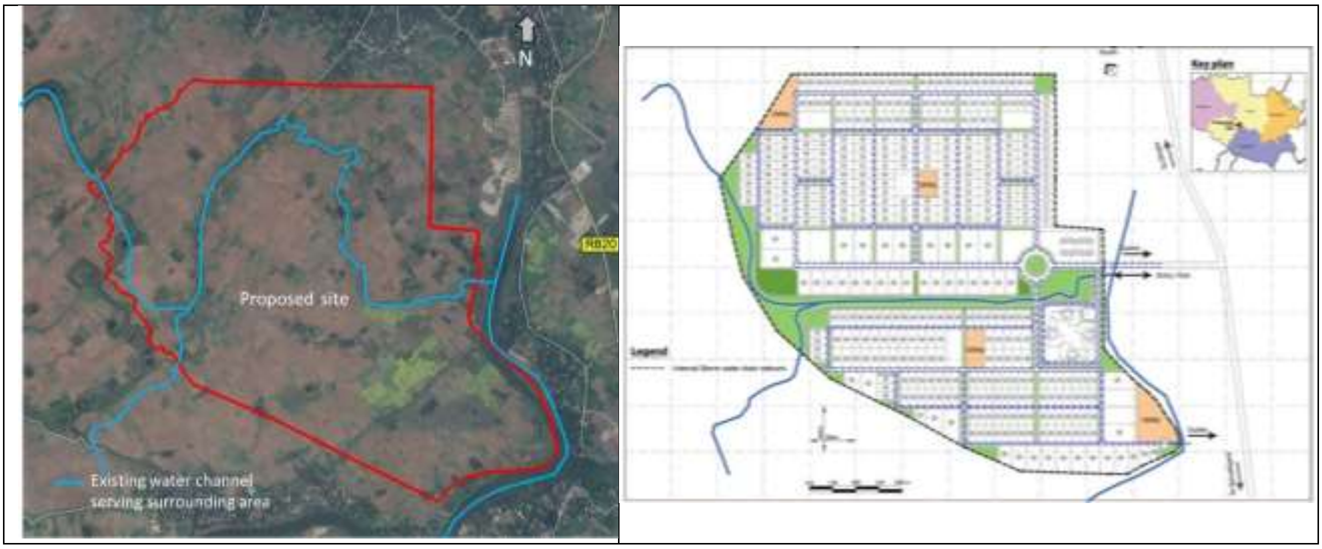
*Source: Primary monitoring conducted by BEETLSL, Bangladesh*

## *12.5.8.2. Surface Water & Drainage*

The River Dhaleswari and Ichamati flows towards North-eastern side and Southern Side of proposed site boundary respectively. The rivers are identified as key feature of the site surrounding and currently has a significant role on the topography of proposed site. Number of channels and creeks originated from these two rivers flows through the proposed EZ site.

In order to maximize the land utilization within the project boundary, it is proposed to reroute the existing channel without disturbing the course and maintaining the both upstream and downstream points without any alteration. The internal drain within the EZ is planned to cater the estimated flow from the existing channel in addition to the stormwater flow within the site. Refer following figure depicting existing and rerouted alignment of water channel within EZ site.

Figure 87: Existing and rerouted water channel within EZ




River Ichamati is immediately adjacent to the proposed site on its south and southwest side and River Dhaleshwari is at a distance of about 0.8 km from the site in Northeast direction. From the discussion had with concerned stakeholders, it is understood that River Dhaleshwari is perennial in nature and can be relied to meet the water demand of the proposed site. It is proposed to provide suitable water intake system near the river basin at an approximate distance of 1 km from the site based on proposed tentative alignment. However, detailed study and hydrogeological investigations need to be carried out to determine the exact intake point and intake system. Hence, it is suggested that the suitable intake system and intake point shall be proposed during detailed engineering stage.

Details regarding the external water supply source is depicted in the figure below.

Figure 88: Details of external water supply system


*Source: MACE analysis*

To understand the ground water quality of the study area surface water sample was drawn by Bangladesh Environmental Engineering Training & Lab Services Ltd (BEETLSL), Bangladesh from the Ichamati River adjacent to the project location on January 09, 2021 for further analysis. Sampling of surface water has been conducted by following grab sampling method. The analyzed result of surface water quality of the project area is furnished in below table. The detailed report on Surface Water Monitoring is furnished in the Annexure 36.

*Table 121 Surface water quality in Project Area*

| SL No. | Surface Water: Parameters | Concentration Present | Unit | ECR 1997 Standard for Surface Water | Methods of Analysis |
|---|---|---|---|---|---|
| 1. | $P^H$ | 8.1 | - | 6-9 | APHA 22nd EDN.2012 (4500H+B) |
| 2. | Electrical Conductivity (EC) | 96.89 | µS/cm | 1200 | APHA22nd EDN.2012 (2510 B) |
| 3. | Total Dissolved Solids (TDS) | 141.90 | mg/L | 2100 | APHA 22nd EDN.2012 (2540C) |
| 4. | $BOD_5$ | 21.78 | mg/L | 50 | APHA 22nd EDN.2012 (5210 B) |
| 5. | COD | 87.1 | mg/L | 200 | APHA 22nd EDN.2012 (5220 B) |
| 6. | Chloride $(Cl)^-$ | 45 | mg/L | 600 | APHA22nd EDN.2012 (4500 Cl-) |

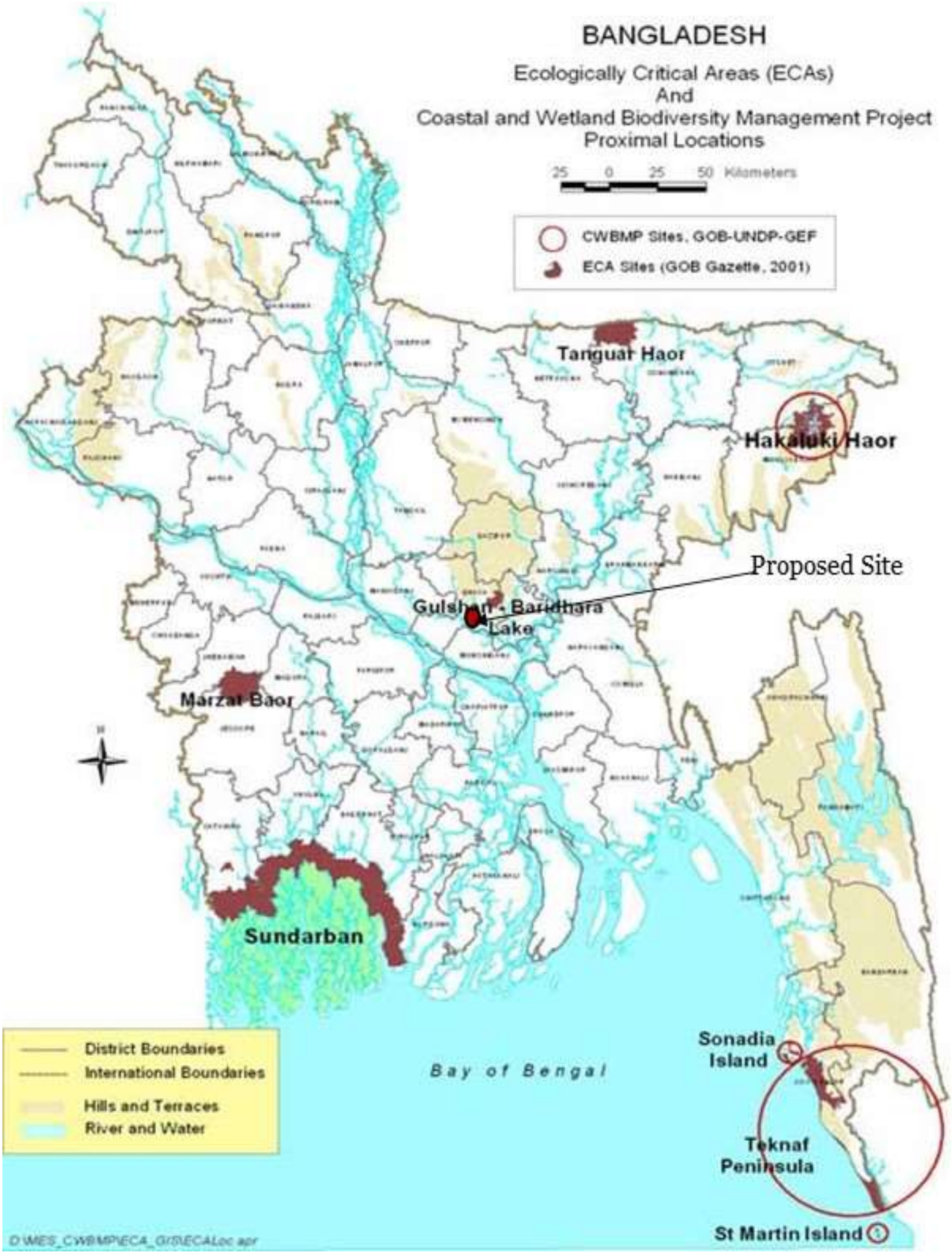
*Source: Primary monitoring conducted by BEETLSL, Bangladesh*

## 12.5.9. Biological Environment

### 12.5.9.1. Protected Area/Ecologically Critical Area (ECA)

Under the Environmental Conservation Act, ecologically sensitive and precious areas are designated as Ecologically Critical Area (ECA) by Department of Environment in Bangladesh in cases where an ecosystem or biodiversity area is considered to be threatened to reach to a critical state. On the other hand, protected areas such as national parks and protected forests are designated by Department of Forest under the Wildlife Order and Forest Act. There is no protected area or ECA located within the study area of 10Km radius from proposed site boundary. The maps of Bangladesh showing location of ECAs and protected areas distributed across the country is furnished in following figures.

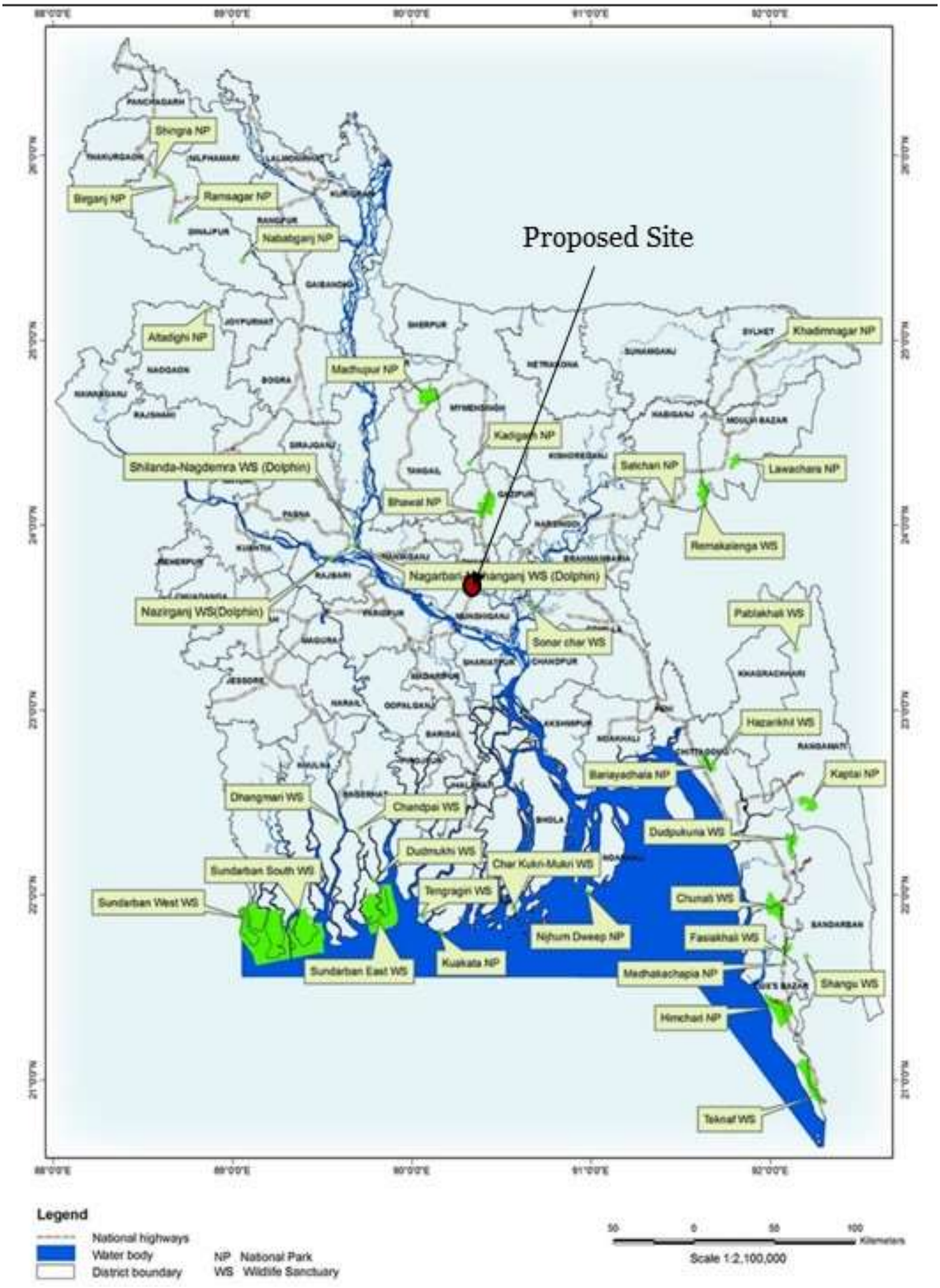
Figure 89: Ecologically Critical Areas of Bangladesh[243]




*Source: Secondary research*

[243] *http://www.doe-bd.org/cwbmp/*

Figure 90: Protected Areas of Bangladesh




*Source: Forest Department of Bangladesh*

## 12.5.9.2. Forest Area/Vegetation Cover

The proposed site location is mostly agricultural in nature and devoid of significant tree cover. There is no presence of forest land in and around the proposed site. Few sporadic grown trees are found within proposed site. The forest map of Bangladesh is furnished in below figure.

Figure 91: Forest Areas of Bangladesh

Source: *Prime Minister's Office Library, Dhaka*

## 12.5.9.3. Flora & Fauna

There is no forest area within the study area. from the site. There is also no presence of any eco-fragile zone/protected area/Ramsar site or any other ecologically important wetland/nesting-breeding ground. There is no record of any rare/endemic species or sighting of migratory species from the proposed project site and study area. Information pertaining to ecological resources were collected from Upazila Forest and Fisheries Officers and Local community. The flora and fauna recorded from study area is presented in below section.

**Flora**

The common varieties of trees that are found in the project area are khejur *(Phoenix sylvastris*), plam (*Borassus flabellifer*), black berry *(Syzygium cumini)*, baroi (*Zizyphus mauritiana*), starapple (*Syzygium malaccaensis*), pitraj (Aphanamixls polystachia), mango (*Mangifera indica),* guava (*Psidium guava*), sajna (*Moringa oleifera*), bahera (*Terminalia bellirica*), neem (*Azadirachta indica*), kadam (*Anthocephalum cadamba*), palash (*Butea monosperma*), hijal (*Barringtonia acutangula*), mariad (*Tamarindus indica* ), bel (*Aegle marmelos*), jackfuits (*Artocarpus heterophyllus),* mandar (*Erythrina variegata*) coconut (*Cocos nucifer*), kamranga (*Averrho karambola*), bat (*Ficus indica*) etc. Various kinds of herbs, shrubs and orchids also grow here abundantly.

**Fauna**

Beside domesticated mammals like cow, buffalo, goat, dog, cat etc., the recorded mammalian species from the project and its surrounding are Bengal Fox (*Vulpes bengalensis*), Jackal *(Canis aureus*), grey mongoose (*Herpestes edwarsi*), Mole Rat (*Bandicota indica*), House Rat (*Rattus rattus*), Squirrel (*Callosciurus pygerythrus*), Indian Flying Fox (*Pteropus giganteus*) etc.

Commonly found bird's species in the project area are bhat shalik (*Acridotheres tristis*), house sparrow (*Passer domesticus)*, magpie robin (*Copsychus saularis*), Common Pigeon (*Columba livia*), black drongo (*Dicurus macrocercus*), spotted dove (*Streptopelia chinensis*), Ring-necked Dove *(Streptopelia decaocto),* lesser golden backed woodpecker (*Picusmyrmeco phoneus*), white breasted kingfisher (*Alcedo atthis*), pond heron (*Ardeola grayii*), little cormorant (*Phalacrocran niger*), white breasted water hen (*Amauronis phoenicurus*), rose ringed parakeet (*Psittacula cupatria*), common hawk cuckoo (*Cuculus microplerus*), tailor bird (*Orthotomus sutorius*), Baya Weaver (*Ploceus philippinus*), koel (Eudynamis *scolopacea*), barn owl (*Tyto alba*) , house crow (*Corvus splendens*), etc.

Commonly seen herpetofauna are Southeast Asian toad (*Bufo melanostictus*), Green frog (*Euphlyctis cyanophlyctis*), garden lizard (*Calotes versicolor*), Skink (*Mabuya mabuya*), Gekko (*Gekko gecko*), House Lizard (*Hemidactylus brooki*); snakes like common cobra (*Naja naja*), rat snake (*Ptyas mucosus*), common krait (*Bungarus caeruleus*), banded krait (*Bungarus fasciatus*), common blind snake etc.

Fishes recorded from ponds, rivers, creeks, beels etc' ruhi (*Labeo rohita*), catla (*Catla catla*), mrigel (*Cirrhinus mrigala*), kalbaush (*Labeo calbasu),* sarpunti (*Puntius sarana*), chital (*Notopterus chitala*), airh (*Mystus aor*), pabda (Ompok pabda), bacha (*Eutropichthys vacha*), pangas (*Pangasius pangasia*), koi (*Anabas testudineus*), shing *(Heteropneustes fossilis*), magur *(Clarius batrachus)* etc. Beside fish, invertebrates like prawn (*Palaemon carcinus*), shrimp (*Palaemon malcolmsonic*) and crabs are also available here.

Figure 92: Birds recorded from Study Area

Common Myna/ *Salikh (Acridotheres tristis)* *Ring-necked Dove (Streptopelia decaocto*

## 12.5.10. Social Environment

For the development of this Economic Zone, BEZA proposes to acquire 874.00 acres land, out of which the private land acquisition is for 840.74 acres. In accordance to the current legislations governing land acquisition of Bangladesh is the Acquisition and Requisition of Immovable Property Act 2017 (hereinafter, "the Act") which replaces the old 1982 Ordinance on Acquisition and Requisition of Immovable Property and BEZA's RSMF, cost of land was taken as 3 times the cost obtained from AC land office for all categories.

Categories of land parcel:

**Private land:**

Nul-840.74 acre

**Government land:**

Nul-6.76 acre; Khal-20.98 acre; Halot-4.9 acre; Fallow land-0.62 acre

Based on consultations with the community, it was estimated that the number of Project Affected Persons (PAPs) will at minimum be 1800 within the demarcated project area. This would require the development of a comprehensive Resettlement Action Plan for the affected people.

The proposed site boundary superimposed on Mouza Map and affected details of Plots are furnished in Annexure 19 and 35.

## 12.5.11. Demography

Nawabganj Upazila has a total area of 244.81 $km^2$ and consists of 47,411 households as per the Census record of 2011. As per the 2011 census, Nawabganj Upazila has a total population of 318,811 and the total male and female population at the Upazila is 149,298 and 169,513 respectively. The population density per sq. km is 1302, with the average household size being 4.47. The sex ration (M/F) for the Upazila is 88.

## 12.5.12. Social Infrastructure

Nawabganj Upazila has the following social infrastructure and public utility structures in its vicinity.

Table 122: Social Infrastructure in Nawabganj Upzila

| Social infrastructure | Numbers |
|---|---|
| Govt. Primary Schools | 90 |
| Non-Govt. Primary Schools | 80 |
| Registered primary Schools | 31 |
| Community Schools. | 3 |
| KG Schools | 54 |
| Secondary High School | 37 |
| School and Collages | 2 |
| Collages | 3 |
| Bank | 32 |
| Mosque | 442 |
| Charch | 6 |
| Temple | 292 |
| Govt. Hospital (50 Bed facility) | 1 |
| Trauma Centre (50 bed facility) | 1 |
| Satellite clinics | 72 |
| Health and Family Planning Centre | 12 |

| Social infrastructure | Numbers |
|---|---|
| Non-Govt. Clinic | 11 |

*Source: Bangladesh Bureau of Statistics*

### 12.5.13. Livelihood and Economy

According to Bangladesh District Statistics, the project area comprises of a total of 2,266,479 holdings, of which 10.65% holdings are farms, producing varieties of crops, namely, local and HYV rice, wheat, jute, tobacco, potato vegetables, spices, pulses etc. Various fruits like mango, jackfruit, lichee, black berry, palm betel-nut, banana etc. are the main fruits of the District. Varieties of fish are caught from rivers, beels and paddy fields during rainy season. The most common fishes are ruhi, katla, mrigel, magur, singi, koi, puti, shoil, gazar, boal, etc. All these fishes are economically valuable. Besides these common varieties, some other well-known varieties of fish are pangash, airh, bacha, rita batasi, khalisha and chingri are found. Besides crops, livestock and poultry are the subsidiary source of household income of the District.

## 12.6. Impact assessment and proposed mitigation

The environmental impacts assessment was carried out considering present environmental setting of the project area and nature and extent of the proposed activities. The proposed project involves development of EZ and off-site facilities for upcoming EZ. Potential environmental impacts associated with EZ and proposed off-site facility are classified as:

- Impacts during design/preconstruction phase
- Impacts during construction phase and
- Impacts during operation phase.

At pre-feasibility stage, based on the nature of upcoming industries, the likely impact on surrounding environment have been covered in the report. However, the detailed analysis of specific impacts on basis of scale and magnitude of the individual industry should be carried out at later phase of design along with more specific mitigation measures. During the study Sensitive environmental components were identified during the site visits and qualitative and quantitative techniques have been applied for direct and indirect assessment of impacts on these components. Table below provides the classification of environmental components.

Table 123: Classification of Social and Environmental Components

| Components | Sub-component | Parameters |
|---|---|---|
| **PHYSICAL** | | |
| Water | Surface Water and Ground Water | Hydrology, Water Qaulity |
| Air | Air | Air Quality |
| Noise | Noise | Noise Level |
| Land | Soil | Erosion, Soil Quality |
| **ECOLOGICAL** | | |
| Aquatic | Fisheries/Aquatic Species and Aquatic Ecsystem | Species, diversity, economic value, density and species |
| Terrestrial | Vegetation, Wildlife | Species and Population |
| **INFRASTRUCTURE** | | |
| Water Supply | Surface/ground water | Frequency, quality |
| Electricity | — | Generation, Transmission, requirement |
| Transport | Highways/Roads | Access, availability, type, utility of each mode |
| Land Use | Rail | — |
| Drainage | Air, Water | Flooding, drainage |

## *12.6.1. Impact Identification*

During the site visit, various environmental sensitive features were identified which may potentially be impacted by the project at various stages. Identified impacts of the project activities on the environment components are given below along with the associated activities.

Table 124: Impact Matrix for Proposed Off-site Infrastructure

| S. No. | Activities | Impacts | Negative Impact | | Positive Impact | | Not Applicable |
|---|---|---|---|---|---|---|---|
| | | | Short Term | Long Term | Short Term | Long Term | |
| **A** | **Pre-Construction Phase** | | | | | | |
| i | Land Acquisition for site, access road and utility supply system | Change in land use pattern | | √ | | | |
| | | Impact on livelihood | | √ | | | |
| | | Shifting of Utilities | √ | | | | |
| ii | Site Preparation | Removal of Vegetation. | | √ | | | |
| | | Impact on aesthetic aspects | | √ | | | |
| | | Impact on ecosystem | | √ | | | |
| **B** | **Construction Phase** | | | | | | |
| i | Development of EZ and Construction of Boundary wall, embankment, Access Road, electrical & water supply system and administration building | Loss of Top soil | | √ | | | |
| | | Soil contamination due to spillage of material | √ | | | | |
| | | Surface water contamination | √ | | | | |
| | | Air pollution | √ | | | | |
| | | Noise pollution | √ | | | | |
| | | Increase in traffic | √ | | | | |
| | | Un pleasant view | √ | | | | |
| | | Impact on Health & safety | √ | | | | |
| | | Social impact | √ | | | √ | |
| | | Removal of Trees | √ | | | | |
| **C** | **Operational Phase** | | | | | | |
| i | Development of Off-site Infrastructure, i.e. Boundary wall, embankment, access road, water supply system, electrical supply line and administration building and operation of industries | Impact on the ambient Air Quality | | √ | | | |
| | | Noise Pollution | | √ | | | |
| | | Potential surface water pollution due to industrial waste discharge | | √ | | | |
| | | Impact on river hydrology due to construction of long embankment along the river | | √ | | | |
| | | Economic Development | | | | √ | |
| | | Accessibility | | | | √ | |
| | | Groundwater abstraction | | √ | | | |
| | | Potential for land contamination due to industrial activities | | √ | | | |
| | | Increased Run-off | | √ | | | |
| | | Generation of Employment | | | | √ | |

| S. No. | Activities | Impacts | Negative Impact | | Positive Impact | | Not Applicable |
|---|---|---|---|---|---|---|---|
| | | | Short Term | Long Term | Short Term | Long Term | |
| | | Natural drainage pattern | | √ | | | |

## 12.6.2. Impact on Climate and Meteorology

### 12.6.2.1. Pre-Construction, Construction and Operation Phase

Proposed project site is located in tropical region where summers are much rainier than winter. Though no change in the macro-climatic setting (precipitation, temperature and wind) is envisaged due to the project, the microclimate is likely to be temporarily modified by vegetation removal, the addition of increased pavement surface and industrial operation which in turn might lead to rise of temperature especially during the daytime.

***Mitigation Measures***

- 11 % Greenery/Open Space inside the EZ has been recommended
- Plantation shall be carried out at suitable location to minimize impact on micrometeorology

## 12.6.3. Impact on Land and Natural Drainage

### 12.6.3.1. Pre-Construction and Construction Phase

Site gets flooded during monsoon. At present, the land is predominantly agricultural in nature. Based on the study of contour, it is found that the site needs to be filled for a depth of about 1.2 meter on an average and the total estimated site filling quantity is about 4244148 Cum. Dredged sand from River Kalinga/Dhaleshwari is suggested as a source for site filling. Necessary permission has to be obtained from concern authorities for dredging of sand from the river for site filling.

The impacts on land due to the project are as follows:

- Dredging and landfilling activity
- Soil erosion due to vegetation clearance and excavation activities
- Topsoil degradation
- Generation of waste (hazardous and non-hazardous) from site clearance, excavations, civil works and activities of construction workers (general waste and sewage)
- Possible contamination of soil due to potential spills of lubricating oil, fuel oil, concrete etc.
- There could be alteration with the natural water flow pattern of the subject site due alteration of the natural contours. It may create problem pertaining to water logging, soil erosion, contamination of soil

#### 12.6.3.1.1. Soil Erosion

During the pre-construction and construction phase, the site clearance activities including clearing of vegetation, construction of the structures, labor camps, storage area, toilets will involve removal of top soil which will result in slope destabilization and the land will be more susceptible to soil erosion.

The soil erosion will result in the run-off of the silt to surface water affecting river ecosystem with increased suspended sediment load and associated nutrients.

Most importantly after landfilling, if the land is be kept for long without further development, it leads to soil erosion due to loose top soil.

### 12.6.3.1.2. Soil Compaction

During construction activities, there will be compaction of soil in the project area due to construction of the internal access roads, movement of vehicles/ construction machinery and work force movement. The soil compaction would impact the soil physical properties such as reduction in pore spaces, water infiltration rate and soil strength etc. The extent of soil compaction is primarily limited to the Project foot print area and surroundings within 100 m distance. The impact is restricted to the construction phase of the project.

### 12.6.3.1.3. Landfilling with dredged material

From the site visit, it is observed that the site is on an average level of 2 m below adjacent approach road. Also, there are low lying areas within the site. To avoid the water inundation, it is required to develop embankment for the length of 8 km along the site with necessary slope protection works. This necessitates suitable level of site filling within EZ site for which contour study has been carried out.

Based on the study of contour, it is found that the site needs to be filled for a depth of about 1.2 meter on an average and the total estimated site filling quantity is about 4244148 Cum. Dredged sand from River Kalinga/Dhaleshwari is suggested as a source for site filling. Necessary permission has to be obtained from concern authorities for dredging of sand from the river for site filling.

In case the soil quality at dumping site is different from the sediment from the dredging sites, the ultimate soil quality of the disposal site can be affected. The soil used for landfilling should be free of any type of contamination and have similar characteristics as that of native soil to avoid impacts on the soil quality.

### 12.6.3.1.4. Waste Generation

The construction waste generated onsite comprises of materials such as excavated soil, rocks, concrete, wooden pallets, steel cuttings/filings, packaging paper or plastic, wood, metals etc. Municipal domestic wastes consisting of food waste, plastic, glass, aluminum cans and waste paper will also be generated by the construction workforce and labor camp site.

The waste generated during the construction phase will also include hazardous waste such as used oil, hydraulic fluids, waste fuel, grease and waste oil containing rags. If improperly managed, solid waste could create impacts not only to land but also to local air quality, water quality, and human health. Since the site will be raised about 1.2 m from present level, it is likely that the surface run off from site area will be drawn to the nearby surface water system. If the wastes and raw materials are poorly managed, it will also be carried away by surface run off which will ultimately contaminate the aquatic system.

### 12.6.3.1.5. Soil Contamination

Soil contamination during the construction phase may result from filling activity, leaks and spills of oil, lubricants, or fuel from heavy equipment and wastewater. Such spills could have a long-term impact on soil quality but are expected to be localized in nature. Storm water run-off from the contaminated area can pollute the downstream soil and water quality of adjacent river, other waterbodies.

Spill control measures such as the storage and handling of chemicals and fuel in concrete areas with secondary containment will be implemented to minimize impacts in the event of a spill.

The soil characteristics of the native soil may also be changed due to import of soil for filling and levelling purpose. It is envisaged that the filling activity may impact the native soil due to spillages during transportation of soil and run-off during filling and compaction.

Apart from the embedded controls to be included in project design, the following mitigation measures will reduce the negative impacts on soil environment:

***Mitigation Measures***

- Top soil should be preserved and should be reused in borrow area or green area development

- Stripping of topsoil should be scheduled as the last mile activity (maintain vegetation cover for as long as possible) in order to prevent the erosion (wind and water) of soil;
- Care should be taken to minimize percolation of soil used for filling to adjacent rivers during filling operations. Proper embankment should be provided in the downstream areas to minimize soil percolation to river.
- Vegetation should be planned and maintained for slope stabilization and to prevent soil erosion after construction period;
- The disturbed areas and soil stock piles should be maintained moist to avoid wind erosion of soil;
- The routes for movement of heavy machinery should be designated to avoid the soil compaction in other areas;
- Transport vehicles and equipment should undergo regular maintenance to avoid any oil leakages; designate routes for bringing construction material and outside soil;
- Construction contractor should designate the sites to be used for storage of hazardous wastes including waste oils, solvents, paint and batteries;
- The Contractor should ensure that no unauthorized dumping of hazardous waste are undertaken and contractor should dispose of hazardous waste through licensed traders;
- Fuel and other hazardous substances should be stored in areas provided with roof, impervious flooring and bund/containment wall;
- The soil used for landfilling should have similar characteristics to the native soil and free of any type of contamination.
- Prior to dredging activity, analyze the soil sample to prevent impacts on the receiving environment as a result of mismatch in soil characteristics;
- During dredging activity, physical barriers such as silt screen/ curtains should be employed to prevent the spread of suspended sediments;
- The storm water drainage system shall be designed in synchronization with the existing natural drainage pattern. The direction of the flow shall be engineered to be same as that of the natural flow direction of rain water;
- The construction debris and high silt content of the virgin soil, post excavation, should be kept in a designated location so as to prevent leaching during monsoons. Storm water drains shall be designed and shall be connected with rainwater harvesting pits. All the construction wastes and excavated soil shall be temporarily stacked on tarpaulin sheet (in order to prevent leaching to groundwater) and a temporary tin sheet shall be placed on the top to prevent rainwater to maximum extent to carry the soil and construction wastes to the adjacent aquatic system
- To demonstrate the commitment towards better environment, 11% of total area has been designated for green and open spaces. The green area shall be declared as the green zone of the EZ
- Based on the site gradient, the drainage pattern has been decided. It has been planned to discharge the flow of the internal drain into nearby highway drain to be developed.
    - The drainage system is planned to cater for the entire EZ through gravity flow
    - Drains are proposed to be provided on both sides of the roads
    - Open trapezoidal drain is considered for the surface run off collection due to easy maintenance for the primary road. Stone pitching is considered for the side walls and PCC for the base
    - Covered rectangular brick masonry drain is considered for the remaining areas for optimization of area under drainage

- RCC box / pipe culverts of suitable sizes are considered for road crossings
- Rainwater harvesting structures are envisaged all along the drain at every 30 m interval

Figure 93: Internal storm water drain network


*Source: MACE analysis*

## *12.6.3.2. Operation Phase*

### *12.6.3.2.1. Impact on Soil Quality*

After development of economic zone, disposal of industrial, domestic and process waste may contaminate land and soil quality of the area. The impact can be significant and long term in case of uncontrolled discharges. Improper disposal of waste (hazardous and non-hazardous waste) may degrade soil, water, air quality and ecology of the area. As per the preliminary planning Textiles & RMG, Food & Beverages - Processed food, Plastic

& Rubber, Non-Metallic Minerals, Chemicals, Leather & Leather products, Pharmaceuticals, Electronics & Electricals, Light Machinery-Equipment are envisaged for this EZ. These industries are anticipated to be polluting to some extent and hence discharge of the generated sludge, effluent and solid waste shall be done in a disciplined manner. The nature of waste likely to be generated in the EZ are described in the subsequent section.

### *12.6.3.2.2. Waste Generation*

Type of waste likely to be generated from the proposed EZ has been furnished in below table.

Table 125: Waste Generation from various industries

| Industry Type | Nature of Waste |
|---|---|
| Textiles & RMG | Dyeing units which are an integral part of textile units are the main source of process waste water. The waste water generally has high TDS, high BOD, COD and the color quotient of the water is also high. |
| Food & Beverages - Processed food | Effluent generated from industrial operations contains high concentration of organic and inorganic substance causing significant polluting phenomena. The wastewater is characterized by high BOD, Suspended Solids and oil concentrations as well as emitting smells from acidification. Agro-based waste, packaging material from food processing industries etc. are other source of solid waste. Effluent containing organic and inorganic substance may cause significant pollution if properly not managed |
| Plastic & Rubber | Wastewater discharged from such industry may contain high level of BOD, COD, oil and grease and Suspended Solids. Solid waste from such type of industry may contain rejected rubber, textiles, Plastic or polythene etc. |
| Non-Metallic Minerals (Manufacture of Cement) | Dust generated from the manufacturing process and eventually collected in bag house are the significant source of waste |
| Chemicals | Waste contains toxic and hazardous components such as free ammonia, numerous ammonium compounds, phosphate compounds, urea, Spent Catalyst (Ni; Cu; Zn; Mo; Fe Based), oil, grease and fuel from machinery, nitrogen, phosphate, potassium, sodium, silica, sulphur, fluorine etc. |
| Leather & Leather products | Finished leather products industries, though less polluting, also use chemical adhesives and tanning chemicals. Examples of some of these chemicals include Chlorinated phenols, tribromophenol, chlorinated paraffins, dimethylfumarate etc. which are used to preserve the materials. These chemicals are easily leaked into the environment through the discharge from the factories |
| Pharmaceuticals | The chemical compounds that may be present in effluent includes solvents such as methanol, ethanol, acetone, isopropanol, and methyl- |

| Industry Type | Nature of Waste |
|---|---|
| | ethyl ketone etc., organic acids such as acetic acid, formic acid, organic halides, ammonia, cyanide, toluene, and active pharmaceutical ingredients (API). |
| Electronics & Electricals | Effluent from electronic/electrical industry, light machinery may contain heavy metals, paint residue etc. |
| Light Machinery, Equipment, Bicycle | |

*Source: PwC Analysis*

Beside the above mentioned, common type of waste like Process dry sludge, ETP sludge, e-wastes, scrap batteries, domestic dry sludge, used oil, etc. are likely to be generated from the industries proposed. All these wastes shall be segregated depending upon the source of its generation. Sludge generated from STP shall be dried using a filter-press and the dried sludge could be used as manure. There are authorized vendor for recycling e-waste in Bangladesh. These vendors are responsible for collecting the e-waste. General practice followed in Bangladesh regarding the process waste is storage in a dedicated room. As the country doesn't have a concrete rules and regulations guiding the process waste disposal, practice to design and execute a localized landfill unit could be helpful. Like construction phase, the waste generated during operation will also include hazardous waste such as organic/inorganic residue, used oil, scrap batteries, waste fuel, grease, waste oil containing rags etc. If improperly managed, waste could pollute not only to land but also to local air quality, water quality, human health and the ecosystem.

The estimation of solid waste likely to be generated have been presented in following section.

Table 126: Estimation of Solid waste generation

| Land use pattern | acres | Population | Msw generation | Unit | Kg/day |
|---|---|---|---|---|---|
| **Processing area** | | | | | |
| Industrial plots | 588.81 | 29797 | 200 | gm/capita/day | 5959.40 |
| Utility | 65.67 | 100 | 100 | gm/capita/day | 10.00 |
| Road | 97.29 | | 10.12 | kg/ha/day | 398.63 |
| Green & open space | 96.14 | | 30.36 | kg/ha/day | 1181.76 |
| **Total processing zone** | **847.92** | **29897** | | | **7549.79** |
| Public & support amenity | 18.88 | 1000 | 100 | gm/capita/day | 100.00 |
| Road | 7.15 | 0 | 10.12 | kg/ha/day | 29.30 |
| **Total Non-processing area** | **26.04** | **1000** | | | **129.30** |
| **Total** | **873.96** | **30897** | | | **7679.09** |
| Total solid waste generation in TPD | | | | | **8** |

*Source: MACE Analysis*

### *Mitigation Measures*

- Provision shall be made for proper storage and disposal of industrial waste by respective industries.
- Special care must be taken by all the industries to avoid any kind of accidental contamination which could be a threat to the surrounding aquatic ecosystem

- Provisions shall be made to segregate e-waste with rest of the wastes generated.
- Alliance shall be done with e-waste recycling vendor and the segregated e-waste shall be send to the vendor for recycling purposes
- ETP shall be mandatory for all the industries. Every unit shall have its own ETP unit.
- Based on estimated quantity of sewage and effluent, CETP has been proposed.
- A Common waste storage areas shall be designated for industrial domestic waste.
- Waste should be segregated at source into hazardous and non-hazardous waste. Further the waste should be segregated into Biodegradable, recyclable and rejected waste. Recyclable waste should be sent to licensed traders for recycling and rejected waste should be disposed as per the best industrial practice for particular waste.
- From the above only bio-degradable waste can be treated in the SW treatment facility; The rate of MSW generation in the initial stages will be less than the estimated quantity and hence during the initial stage, the MSW generation rate can be considered as 50% of the estimated quantity; The entire MSW is planned to be collected and treated in the composting plant within EZ and the rejects shall be disposed to suitable landfill outside the EZ; Suitable area has been earmarked for development of composting plant within EZ to handle the MSW generated.
- Industrial waste generated should be stored on sealed surfaces and should be disposed as per the best industrial practice
- Local environmental bodies shall be consulted for the initiation for the designing and constructing localized landfill for the disposal of process waste.
- No chemical/hazardous raw material should be allowed to spill over the land and should be operated in covered systems
- Excessive packaging should be reduced and recyclable products such as aluminum, glass, and high-density polyethylene (HDPE) should be used where applicable.
- Organic waste should be resold to value addition industries or can be fed to live stock.
- Sludge generated in effluent treatment plant should be sold to authorized recyclers or could be dried into cakes and used as manure for green belt

### 12.6.4. Impacts due to Dredging

#### 12.6.4.1. Pre-Construction and Construction Phase

The preconstruction and construction phase will involve backfilling of the land to a level of about 1.2 meter on an average . It is proposed that sand for the backfilling operations will be obtained by dredging from the rivers located nearby. The possible physical impacts due to dredging are as follows:

- Resuspension of bottom sediments, thereby increasing turbidity
- Riverbank erosion
- Dispersion from and accumulation into bottom sediment of toxic substances
- Reduced primary productivity due to decrease in the depth of the euphotic zone
- Impact on habitat and breeding/spawning ground of fishes and other aquatic fauna due to bottom disturbances
- Temperature alteration
- Increase in nutrient levels

- If the dredged material is polluted, it may affect the ecosystem, and fisheries activities at both dredging and dumping locations

The extent of impacts due to dredging activity is highly varied and site specific, depending upon a number of factors shown below:

- Method of dredging and disposal
- Channel size and depth
- The size, density and quality of the material
- Background levels of water and sediment quality, suspended sediment and turbidity
- Current direction and speed
- Rate of mixing
- Presence and sensitivity of animal and plant communities (including birds, sensitive benthic communities, fish and shellfish)

***Mitigation Measures***

- Prior to dredging activity, analyze the soil sample to prevent impacts on the receiving environment as a result of mismatch in soil characteristics;
- During dredging activity, physical barriers such as silt screen/ curtains should be employed to prevent the spread of suspended sediments;
- Maintain the extent of the turbidity plumes close to the dredging and disposal areas to minimize impacts on aquatic fauna habitat;
- Visually inspect for aquatic life and terrestrial organisms and stop dredging activity in case of any organism in the vicinity;

## 12.6.5. Impact on Air Environment

### 12.6.5.1. Pre-construction phase

The pre-construction phase will involve site preparation activity for development of EZ, construction of access road and water supply system which will lead to dust generations and other fugitive emissions. But these emissions will be localized and have impact for short duration only during site preparation activity.

***Mitigation Measures***

To minimize the dust generation, water should be sprinkled regularly at the site and low Sulphur diesel should be used in land levelling equipment to control the $SO_2$ emissions.

### 12.6.5.2. Construction Phase

Air quality will be impacted from the following sources during the construction phase:

- Fugitive dust emissions from site clearing, excavation work, cutting and levelling work at sites and access/ internal roads, stacking of soils, handling of construction material, transportation of material, emission due to movements of vehicles, plying of heavy construction machinery etc.;
- Vehicular emissions due to traffic movement on site and on the connecting roads;
- Exhaust emissions (containing PM10, PM2.5, SPM, CO, HC, NOx, SO2 etc.) from construction machineries, other heavy equipment as bull dozers, excavators, compactors; and
- Emissions from diesel generator required for emergency power during construction period.

***Mitigation Measures***

To mitigate the construction impacts, project proponent should have contract agreements with contractors as well as sub-contractors to ensure implementation of mitigation measures.

- Sprinkling of water at construction site and haul roads
- Transportation of Raw materials in covered trucks
- Construction of barricades between the settlements and the site to minimize travel of fugitive emissions towards settlements
- Shrub Plantation (native species) on either side of the approach road to mitigate the fugitive dust emissions
- Construction vehicles and machinery should be regularly serviced and check for pollution control
- Prohibit usage of adulterated fuel in vehicles for running construction equipment and vehicles
- Covering the scaffolding (in case of administration building) to reduce the dust emission in outside environment
- Speed of vehicles on site is recommended to be 10-15 km/hour which will help in minimizing fugitive dust emissions due to vehicular movement

### *12.6.5.3. Operation Phase*

Post development of the EZ & setting up of industries, the impacts on the air quality of the area will be from (a) air emissions from the proposed industries and (b) emissions from increased vehicular movements. The cumulative effect of the industries proposed in the EZ may have negative impact on the air quality of the site and the nearby areas to some extent. Nature of Air emissions due to various industrial operations are furnished in the table below.

Table 127: Emissions from various industries

| Industry Type | Nature of Emission |
|---|---|
| Textiles & RMG | The major air pollutants generated from textile mills include Suspended Particulate Matter (SPM), sulphur dioxide gas, oxide of nitrogen gas, etc. The hydrocarbons are emitted from drying ovens and from mineral oils in high-temperature drying/curing. The residues from fibre preparation also emit pollutants during heat setting processes. Carriers and solvents may be emitted during dyeing operations depending on the types of dyeing processes used and from wastewater treatment plant operations. Carriers used in batch dyeing of disperse dyes may lead to volatilization of aqueous chemical emulsions during heat setting, drying, or curing stages. Inhalation of the dust generated where cotton fibre is converted into yarn and fabric significantly contributes to byssinosis (an occupational lung disease). |
| Food & Beverages - Processed food | Air emissions from food processing industry contains some volatile organic compounds but do not contain any hazardous compounds. These industries emit low process-air emissions. Most of the processes uses electrical power and rarely emit harmful compounds to environment. But air emissions from effluent treatment plant of these industries are a major concern. |

| Industry Type | Nature of Emission |
|---|---|
| | Beside this, Chlorofluorocarbons (CFCs) used as cooling agents in many refrigeration and cooling systems in food and beverage industries are having potential to damage ozone layer of atmosphere.<br><br>Emission from boiler (if applicable) & DG Stack |
| Plastic & Rubber | Mainly volatile organic compounds (VOC) are emitted from such type of industries |
| Non-Metallic Minerals (Manufacture of Cement) | Air pollutants generated during the cement manufacturing process consist primarily of particulates from the raw and finished materials. The cement dusts are alkaline with size varying from 5 µm to 250 µm. Beside these fugitive dust can be generated due to process related & Non-process related activity.<br><br>Oxides of carbon, nitrogen, and sulfur are mainly produced as a byproduct of fuel combustion for power generation (if captive power plant is established). $SO_2$ is also produced from oxidation of volatile sulfur present in the kind of limestone used as raw material |
| Chemicals | Emission from such industries may contain CO, $CO_2$, $NO_2$, $SO_2$, VOCs, Trace Metals (Zn, Fe, Pb, Ni, Cd, Cr), Ammonia, Urea dust, Ammonium nitrate dust, Fluoride etc. |
| Leather & Leather products | No significant emission from finished leather products manufacturing industries are envisaged. Minor fumes due to use of adhesives / gums may generate from such industries |
| Pharmaceuticals | Prevailing public concern in respect of air pollution in these industries are odor and toxic emissions. Generation of VOC in the industry caused due to use of varieties of solvents. The major VOC emission is caused from reactor vents, man ways, material loading and unloading, acid gases (halogen acids, sulfur dioxide, nitrous oxides). Other probable emitted pollutants from process are $N_2$, $CO_2$, $H_2$ and $NH_3$. The emission from the process is mainly liberated gases from various reactions. Emission from boiler (if applicable) & DG Stack |
| Electronics & Electricals | Chlorofluorocarbons (CFCs) used manufacturing of refrigerators, freezers, chillers, and air conditioners in electrical and electronic industries are having potential to damage ozone layer of atmosphere. However, use of CFCs in Bangladesh is phased out, hence possibility of emission of such substance can be avoided. Release of VoCs due to painting may also occur. |
| Light Machinery, Equipment, Bicycle | No significant air emission is generated from light machinery industries. However, volatile organic compounds may be released due to painting, finishing activities. Thermal cutting processes of base metals such as stainless steel, low alloy steels, hard facing materials and other alloys may release pollutants that contain manganese, chromium, cadmium, lead, nickel or other known hazardous substances. |

*Source: PwC analysis*

### *Mitigation Measures*

- Provision should be made for peripheral green belt all along the EZ boundary and in the buffer zones. For peripheral green belt, the tree species should be selected such that first inside row is of smaller height, middle row of tree is of medium height and last row of tree is of higher height so that green belt formed appears like a cascading canopy.
- Development of thick green belt and organized greens within each industrial plots. Broad-leaved species, which can absorb pollutants, should be planted as they help to settle particulates with their higher surface areas along with thick foliage
- Power Generators should be provided with stacks of adequate height (higher than nearest building) to allow enough dispersion of emission.
- Process emission should be controlled with the installation of adequate air pollution control systems like Venturi scrubbers, wet scrubbers, Electrostatic precipitator, cyclone separator & bag filter etc. as applicable to the individual industry
- All industries should obtain clearance from DoE, Bangladesh as applicable. Air pollution control measures shall be adopted by respective industries in line with DOE permission
- Air pollution monitoring should be carried out to check the air pollution level.
- Preference of usage of clean fuel like LPG, low Sulphur diesel should be explored
- Odor should be managed at the site using odor suppressant and planting fragrant flowering trees.
- Periodic checkups should be conducted for the workers to reduce exposure levels, rotate the shifts of the workers.

## 12.6.6. Impact on Noise Environment

### 12.6.6.1. Preconstruction and Construction Phase

Pre-construction phase will involve site clearance activity for development of access road and utilities. The site clearance will involve removal of vegetation and land levelling activities. Operation of different machineries and equipment for construction activities, running of heavy load traffic for construction materials transportation, and regular traffic movement may generate noise during construction period. The heavy equipment, machineries, transportation and earthworks used for the construction activities are the major sources of noise. It is envisaged that there will be an increase in traffic and thereby in traffic noise impacts on the receptors near the approach road from the transportation of equipment, construction materials. Few settlements located in the north-eastern and southern side of proposed site are likely to be exposed to higher level of noise due to construction activity if proper mitigation measures are not taken.

#### *Mitigation Measures*

The following mitigation measures should be implemented to minimize potential noise impacts during preconstruction and construction phases:

- Regular maintenance of equipment such as lubricating moving parts, tightening loose parts and replacing worn out components should be conducted;
- Machinery and construction equipment that may be in intermittent use should be shut down or throttled down during idle time;
- Acoustic enclosure should be provided for the DG set;
- Equipment known to generate noise strongly in one direction should be orientated so that the noise is directed away from nearby sensitive receptors as far as practicable;
- Honking should be avoided;
- Construction work should be carried out only during day time (from 8.00am to 6 pm);

- Machinery to be used should comply with the noise standards prescribed by DoE.
- To deal with noise exposure by construction workers in construction site, pocket guide by OSHA is helpful.
- At individual worker level, the construction contractor should be insisted to provide earmuffs to the workers exposed to high noise levels.

### 12.6.6.2. Operation Phase

After development of offsite infrastructure and economic zone, the noise levels may rise due to vehicular movement, DG set, pump sets, Boilers, mechanical and industrial operations, Auxiliary activities like operation of water pumps, booster pumps etc. Operations of ventilation units and fans can also add up to the noise generation. High noise levels are generally found in the textile process from fiber to fabric (spinning and weaving mill) and automated machines. From other type of industries proposed in the EZ the major source of noise generation is vehicular movement, machinery operation and use of DG in case of power failure. The following mitigation measures are suggested to mitigate the noise pollution during operation phase.

***Mitigation Measures***

- Pumps should be fitted in close room, preferably acoustic enclosure to reduce the noise generation
- Green buffer should be developed all along the project boundary and buffer zone. This will help in reducing the noise level significantly.
- Noise regulators must put a strong mandate and fine on vehicle operators which are not properly maintained, produce noise (silencers not proper).
- All industries should obtain clearance from DoE before establishing industrial unit and should comply with all the conditions mentioned in the letter of environment clearance
- All industries should install the new machinery of modern make which complies with the noise standards prescribed by DoE.
- Job rotations should be practiced for workers in working at noise intensive locations to prevent prolonged exposure to high noise level as it may lead to deafness, fatigue, headache, nausea and drowsiness. Propose PPEs must be made compulsory for workers working at locations where the intensity of noise is high.
- Acoustic design with sound proof glass paneling will be provided for critical operator cabins / control rooms of individual modules as well as central control facilities.
- Proper greasing, periodic checkups for frictionless movements.
- Honking should be regulated within the economic zone

## 12.6.7. Impact on Water Environment

### 12.6.7.1. Pre-Construction and Construction Phase

#### 12.6.7.1.1. Impact on Surface Water and Groundwater Resource

The assessment suggests that basis industrial assessment and demand forecasting for the proposed EZ, water demand for the proposed EZ would be about 9 MLD. The groundwater in the region is at a depth of 10-12 feet having more iron content and the potable groundwater is at greater depth of more than 600 feet. Hence, groundwater cannot be relied to meet the water demand of proposed EZ. River Dhaleshwari is at a distance of about 0.8 km from the site in Northeast direction. It is proposed to provide infiltration gallery/well, collection sump and pump house near the river basin at an approximate distance of 0.8 km from the site. Detailed hydrogeological investigations need to be carried out based on which, a water treatment plant shall be provided near the intake structure. Thus, intake of groundwater can be avoided as well.

### *12.6.7.1.2. Impact on Surface Water and Groundwater Quality*

The major source of wastewater generation during construction phase is from the labour camp, which will be established for project construction activity. There is a potential for contamination of surface and groundwater resources resulting from improper management of sewage. The storage of used engine oil and lubricants as waste materials has a potential to create impacts if spillage occurs.

The quality of neighboring water bodies including Ichamati and Dhaleswari River could also be affected due to surface runoff from contaminated soil (soil contamination due to oil/ fuel spillage and leakages), particularly during monsoon season. The surface runoff carrying the loose top soil will lead to increased sedimentation in the receiving water bodies. Contamination to water bodies may also result due to oil spilling during construction activities and/or surface runoff from the construction site to the adjacent water body. Thus measures are required to be taken to minimize the surface water pollution.

***Mitigation Measures***

- Provision should be kept by the contractor for effective spill management plan
- To avoid excavation activities during rains
- To prevent piling up of excavated soil, raw material and construction debris at site by proper management and disposal
- Construction of storm water drains along with sedimentation tanks with sand bags as partition as barrier for direct flow of run off to aquatic system
- Check dams should be provided to prevent construction runoff from the site to the surrounding water bodies.
- Minimize run-off by using sprays for curing
- Construction of adequate nos. of toilets and proper sanitation system for workers to prevent open defecation along the river banks/water supply lines
- Construction of soak pits/septic tanks to dispose-off the domestic wastewater generated from labor camps to prevent disposal of sewage in surface water bodies. Alternatively collect labor camp sewage and connect to nearby municipal sewers.
- Proper collection, management and disposal of construction and municipal waste from site to prevent mixing of the waste in run-off and entering the water bodies
- Use of licensed contractors for management and disposal of waste and sludge;
- Laborers should be given training towards proactive use of designated areas/bins for waste disposal and encouraged for use of toilets. Open defecation and random disposal of sewage will be strictly restricted;
- To prevent surface and ground water contamination by oil/grease, leak proof containers shall be used for storage (preferably in paved area) and transportation of oil/grease
- Spill/ leakage clearance plan to be adopted for immediate cleaning of spills and leakages.

## *12.6.7.2. Operation Phase*

To cater the industrial water requirement water from Dhaleswari River will be used. The development of economic zone shall lead to the generation of process and domestic effluent. As discussed in previous section, liquid waste from the proposed industries will be having potentiality to affect the water quality. The direct discharge of the untreated process and domestic effluent waste will lead to impacts in the surface water quality. Also, it is anticipated that surface run-off may significantly increase post development of economic zone which may impact surface water quality. The nature of waste and effluent likely to be generated from various industries are discussed under 'waste generation' section.

Following measures should be adopted during operation phase to minimize impacts of development of Economic zone on water quality.

The estimation of Effluent and sewage likely to be generated have been presented in subsequent section.

Table 128: Effluent quantity estimation

| Land use pattern | Total area | Effluent generation | Sewage generation | | Sullage generation | Total effluent, sewage and sullage generation | Infiltration @10% | Total sewage quantity |
|---|---|---|---|---|---|---|---|---|
| | acres | in cum/day | In % | In cum/day | In cum/day | | | |
| **Processing area** | | **In Cum/day** | | | | | | |
| | | | | | | | | |
| Industrial plots | 588.81 | 10095.58 | 0.72 | 318.99 | 822.62 | 1141.61 | 147.50 | 1289.11 |
| Utility | 65.67 | | 0.72 | 1.07 | 2.76 | 3.83 | 0.50 | 4.33 |
| Road | 97.29 | | | | 70.19 | 70.19 | 7.80 | 77.99 |
| Green space | 96.14 | | | | | | 7.71 | 7.71 |
| **Total processing zone** | **847.92** | **10095.58** | | **320.06** | **895.58** | **1215.64** | **163.50** | **1379.13** |
| **Non-processing area** | | | | | | | | |
| Public & support amenity | 18.88 | | 0.32 | 6.28 | 48.00 | 54.28 | 7.70 | 61.98 |
| Road | 7.15 | | | | 5.16 | 5.16 | 0.57 | 5.73 |
| **Total Non-processing area** | **26.04** | | | **6.28** | **53.16** | **59.44** | **8.27** | **67.71** |
| **Total** | **873.96** | **10095.58** | | **326.34** | **948.73** | **1275.08** | **171.77** | **1446.85** |

*Source: MACE analysis (total figures might have minor aberrations due to rounding off the decimals)*

### *Mitigation Measures*

- ETP shall be mandatory for all the industries. Every unit shall have its own ETP unit.
- Based on estimated quantity of sewage and effluent, CETP has been proposed.
- Each industry should obtain consent of DoE Bangladesh before construction and operation and should comply to the conditions laid by them
- The Industry should also obtain the consent of the water abstraction limit from DoE, Bangladesh.
- No leachate, waste water and waste material should be stored in pervious unlined area/pond.
- Efficient Rain water Management Plan will be adopted to reduce the impact due to surface runoff
- ETP shall be mandatory for all the industries. Every unit shall have its own ETP unit.
- Each industry should treat the effluent and sewage generated by them so as to achieve zero discharge and no untreated effluent should be discharged into any water body
- Sludge generated in effluent treatment plant should be sold to authorized recyclers or could be dried into cakes and used as manure for green belt
- A water balance between the abstracted water and the water diverted for process purposes and domestic purpose shall be developed. Based on the volume of the process and domestic waste, ETP shall be designed.
- Monitoring of surface and ground water quality should be done. Analysis of the process waste water should also be done on regular basis to check efficiency of ETP.
- The effluent treated process waste water shall be analyzed and the analyzed parameter should be well below the Bangladesh Standard (ECR, 1997).
- Rainwater harvesting structures are proposed all along the internal drain at every 30 m interval
- Each industry should practice rain water harvesting to minimize the water consumption and reduce run-off from the site

## *12.6.8. Impact on Biodiversity*

The proposed site location is mostly agricultural in nature and devoid of any significant tree cover. Hence tree felling or associated impact like habitat loss of avifaunal/smaller mammals/ reptile community is expected to be very minimal. However, due to loss of agricultural field habitat loss of associated invertebrates, reptile, smaller pieces etc. is envisaged. Dredging along River is also a threat to habitat and breeding/spawning ground of fishes and other aquatic fauna. Discharge of solid and liquid waste in rivers/waterbodies, shall also impact the aquatic life. Therefore, proper mitigation measures should be taken to minimize the impacts on biodiversity.

No infrastructure development activities shall be encouraged close to the river bank line.

### *Mitigation Measures*

Following measures must be taken as a compensatory act and an effort to negate the impact on biodiversity-

- Provision should be made for peripheral green belt with 2-3 rows of local fruit bearing tree species all along the EZ boundary. These will attract and support avifaunal and other faunal community
  - Suitable green area should be proposed inside the EZ. ~15 % Greenery/Open Space inside the EZ has been recommended
- Dredging from river may be avoided if possible and alternative arrangement for filling material may be explored
- No waste shall be discharged in water bodies

## 12.6.9. Impacts on Occupation Health and Safety

The lack of adequate mitigation measures on the health and safety of the workers will result in accidents and injuries leading to loss of life or property. It is proposed to implement the following mitigation measures to ensure safe work place for the construction labor.

### *Mitigation Measures*

- The project proponent should ensure that the contractor (make part of contractors contract) to have and occupational health and safety plan. The contractor should provide accidental insurance and medical insurance to all the workers.
- The contractor should conduct daily tool box meeting for all workers to discuss potential work related hazards and other safety aspects.
- The contractor should conduct training for all workers on safety and environmental hygiene at no cost to the employees.
- The contractor should maintain first aid facilities for the workers and will instruct and induct all workers in health and safety matters (induction course) including construction camp rules and site agents/foremen will follow up with toolbox talks on a weekly basis. Workforce training for all workers starting on site will include safety and environmental hygiene.
- Fencing on all areas of excavation greater than 1m deep and sides of temporary works should be observed.
- Workers should be provided with appropriate personnel safety equipment such as safety boots, helmets, gloves, protective clothes, dust mask, goggles, and ear protection at no cost to the workers.
- Reversing signals (visual and audible) should be installed on all construction vehicles and plant.
- Contractor should be responsible for evacuation injured person to the nearest medical center
- Pertinent H&S trainings should be provided to all the workers with respect to hazards linked to the activities. Additionally, the workers will be informed of precautions to be taken to avoid impacts to the local community;
- Monitoring of the PPE usage can be strengthened, in that, a mechanism can be adopted whereby defaulters receive a warning on non-usage and stringent actions can be taken on subsequent offences;
- Maintain H&S records of occupational H&S incidents, accidents, diseases and dangerous occurrences
- The contractors should ensure H&S standards of labor camps. The labor camps will be established in the proposed site area. Additionally, the representative of project proponent should conduct random spot checks to determine any issues related to improper waste disposal or the living conditions in these camps (i.e. presence of secure shelter and flooring, number of persons per room, number of toilets for the manpower, water availability etc.);
- Strong protocols should be built as part of contractual obligations around zero tolerance of child labor or harassment of women workers and even health and safety aspects. These should also be monitored by supervision and monitoring team.
- Individual industries should also adopt best practice as per the industry standards for proper implementation of occupational health and safety.

## 12.6.10. Flood Risk

The project site is in proximity to Ichhamati and Dhaleswari *River*. To avoid inundation during monsoon season, minimum land filling of 6-7 feet is considered. It is recommended to adopt river bank protection work in the dredging stretches and along the bank of River to protect the site and surrounding area from flooding.

### 12.6.11. Sanitation and Disease Vectors

Potential sanitation and impacts from disease need to be controlled by maintaining hygienic conditions in the EZ area throughout the operational phase as well during construction by implementing appropriate social and health programs for the Project. BEZA should ensure that improvements are made to site sanitation and should implement the mitigation measure below for all operational activities and also that the contractor (during construction phase)/ industries (during operation phase) ensures that:

- Measures to prevent malaria should be implemented by installation of proper drainage to avoid water stagnation, etc.
- Standing water should not be allowed to accumulate in the drainage facilities or along the warehouse sides to prevent proliferation of mosquitoes.
- Temporary and permanent drainage facilities should be designed to facilitate the rapid removal of surface water from all areas and prevent the accumulation of surface water ponds.
- Malaria controls should be implemented in line with social plans for the Project.
- HIV/AIDS awareness and HIV-AIDS education and prevention program should be implemented in line with social plans under the social development work stream.

## 12.7. Stakeholders' Consultations

This section provides the stakeholder identification and analysis as well as a brief understanding of the engagement process for the project. "Stakeholder" refers to those who have plausible stake in the environmental/social impacts of the project or activity are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate. It is highly desirable for all key stakeholders to arrive at a consensus on sensitive features, impacts and remedial actions. Stakeholder identification was done by examining the potential impacts of the project in terms of:

- Who may be affected directly (project affected people);
- Which agencies might have responsibility for the impact management;
- Which other organizations might have an interest in monitoring proponent activities or have local knowledge to contribute; and
- Which private/non-government sector entities might face financial and social hardships if the predicted impacts occur

The stakeholders identified in the project comprise of project impacted people, project beneficiaries, various government officials.

The main objective of the consultation process is to minimize negative impacts of the project and to maximize the benefits from the project to the local populace. The objectives of public consultation as part of this project are:

- Promote public awareness and improve understanding of the potential impacts of proposed projects
- Identify alternative sites or designs, and mitigation measures
- Solicit the views of affected communities / individuals on environmental and social problems
- Improve environmental and social soundness
- Identify contentious local issues which might jeopardize the implementation of the project
- Establish transparent procedures for carrying out proposed works
- Inform the affected populace about the entitlement framework and to settle problems with mutual consent

- Create accountability and sense of local ownership during project implementation; and
- To obtain information on baseline environment

### 12.7.1. Methodology of Stakeholders Consultation

Different techniques of consultation with stakeholders were used during project preparation, viz., in-depth interviews, public meetings, group discussions etc. to understand the socio-economic profile of the community and the affected families, baseline environment, environmental/social concerns etc. A two-fold Stakeholder Consultation Meeting (SCM) was carried out simultaneously during the social review. In this regard, the SCMs were conducted firstly with both the primary and secondary stakeholders and later, affected persons within the occupation and gender-based groups were consulted through Focused Group Discussions (FGD). The Focused Group Discussions (FGD) were carried out with different group at the proposed EZ area. PWC personnel discussed about the future developments and benefits to the community due to the development of the EZ. The FGD was carried out in presence of local businessman, fish cultivator, fishermen and local elites. The details of attendees has been annexed in annexure 20 to the report.

### 12.7.2. Level of Consultations

Public consultations in the form of institutional and focused group discussions were carried out in the months of September till December of 2019. The types of consultations done with various participants using various tools including, interviews with government officials, focused group discussion etc. are presented in the table below.

Table 129: Types of consultations

| Level | Type | Key Participants |
|---|---|---|
| **Institutional** | Stakeholder Meeting | Various Govt. Officials |
| **Community** | Focused Group Discussion | PAP, marginalized people |

### 12.7.3. Institutional Stakeholders Consultation

Date of Meeting: 25 September 2019

**Location of Meeting**: UNO Office, Nawabganj Upazila, Dhaka

Officials Met:

| Name of Person | Designation | Contact Details |
|---|---|---|
| Mr. H. M. Salauddin Monzu | Upazila Nirbahi Officer, Nawabganj Upazila | 01933444037 |
| Md. Razibul Islam | Assistant Commissioner Land | 01737084914 |
| Dr. Md. Shahidul Islam | Upazila Health & Family Planning Officer | 01911567415 |
| Dr. Md. Jakir Hossain | Upazila Livestock Officer | 01716418937 |
| Md. Hasan Ahmed | Upazila Project Implementation Officer | 01732584589 |
| Ms. Israt Jahan | Upazila Fisheries Officer | 01913391476 |
| Md. Nazrul Islam Sheikh | Upazlia Youth Development Officer | 01552631176 |
| Ms. Rahima Begum | Upazila Women Affairs Officer | 01718144197 |
| Md. Anwar Rahman | Upazila Engineer, Nawabganj | 01762492752 |
| Md. Saidul Islam Khan | Sub Assistant Engineer, DPHE | 01783312905 |
| Md. Jakir Hossain | Junior Officer, PSB | 01723863791 |
| Md. Taibur Rahman | Rural Development Officer, BRDB | 01716048269 |

| Name of Person | Designation | Contact Details |
|---|---|---|
| Md. Mominul Islam | AGM, DPBS – 2 | 01769400410 |
| Md. Abdur Rahim | UCO, Nawabganj | 01550027085 |
| Md. Siddique Nur Alam | Upazila Secondary Education Officer | 01715025461 |
| Md, Najim Uddin | Forester, Nawabganj | 01815429798 |
| Ms. Jasmin Ahmed | Upazila Education Officer | 01670160193 |
| Ms. Maina Mosteca Dalia | Upazila Resource Centre | 01711009291 |
| Ms. Asma Jahan | Agriculture Extension Officer, Nawabganj | 01685043023 |
| Ms. Farjana Abedin | Upazila Election Officer | 01550042225 |
| Ms. Sharmistha Kundu | UPO, RLP, BPDB | 01931998238 |

**Salient Points of Discussion**

At the beginning, the officials from Upazila Nirbahi Office, Nawabganj Upazila welcomed the idea of developing economic zone in the region and country by BEZA and expressed their consent on the same. Discussions were held on various developmental aspects of the proposed EZ like land acquisition status, utilities, rehabilitations and resettlement issues, etc. The discussion was concluded by a visit to the project site. Some of the key features discussed were as follows:

- The stakeholders' discussion with the local populace and Upazila Agricultural Officer indicated that, crop rotation is being practiced in the proposed area two crop cultivations being predominantly undertaken.
- From the proposed site is approachable via road to the Capital city Dhaka and Mawa Ghat as well as Padma Bridge (under construction)
- Dhaleshwari and Ichamati are the main River passing adjacent to the proposed EZ.
- The Groundwater depth in the region of the proposed site varies between 600 to 700 ft which is potable in nature.
- There is no presence of forest in the project area.

## 12.7.4. Focused Group Discussions (FGD)

The Focused Group Discussions (FGD) were carried out with different group at the proposed EZ area on 15-12-2019. PWC personnel discussed about the future developments and benefits to the community due to the development of the EZ. The FGD was carried out in presence of local farmers, local elites and youth group. Locals from very adjacent villages i.e. Dawlatpur west and north participated in the discussion. The details of the Focused Group Discussions are furnished below. The details of attendees has been attached in Annexure 20.

*Table 130: Details of Focus Group Discussions*

| Relevant Stakeholders | Issues | Suggestion/Demand from participants | Remarks |
|---|---|---|---|
| *Affected Land Owners, Farmers, Social Elites (11 persons)* | • Loss of Agriculture Land<br>• Loss of livelihood<br>• Land Value | • Acquisition of cultivable agricultural land should be avoided for the development of economic zone. The economic zone needs to be developed over barren land.<br>• The agricultural land is significant livelihood income | Employment should be given to the PAPs from the earliest stage of site development so that they don't get economically deprived/become jobless |

| Relevant Stakeholders | Issues | Suggestion/Demand from participants | Remarks |
|---|---|---|---|
| | • Loss of employment and business | source and employment generation mode for the inhabitants specifically farmers group. Therefore, without making arrangement for employment of these people, agricultural land should not be acquired for EZ.<br>• GoB land prices is not like local market price. For compensation, current market price of the locality should be considered<br>• Due to Land acquisition and project development, some of the PAPs will become unemployed; especially farmers of the area who are not literate. To ensure their livelihoods security, job opportunities should be created in EZ | Current market prices for the land to be acquired should be considered when deciding compensation. |
| *Local Youth Group (7 Participants)* | • Employment opportunity<br>• Development social infrastructure<br>• Skills training to enhance the competency<br>• Priority for local manpower | • If the project is developed, various job opportunities will be created<br>• This project may lead to social development, however the environmental issues during the construction and operational phases should be considered.<br>• The skill training should focus on soft skills development, community-oriented courses, craftsman training (for semi-skilled opportunities). The training system should lead to trained young people in employable skills who are open to immediate employment opportunities.<br>• Youth group noted that the project affected youths should be prioritized for employment opportunities. | • Employment opportunities for the local youths shall be provided on a priority. |

*Source: FGD at site*

**Summary of Environmental Impacts**

- Project proposes alteration of natural water course of stream. Prior permission from concerned authority should be taken.
- Impact due to dredging from Dhaleswari River: It may cause erosion of river bank, bottom disturbance, impact on habitat of fish, benthos and other aquatic fauna
- The development of the project would cause direct impact on more possibly more than 1800 PAPs, in terms of loss of private and cultivable lands.
- Site gets flooded during monsoon: backfilling of the land for 1.5 mt is proposed. During construction /operation stage, surface runoff from EZ area may contaminate nearby surface water bodies if proper mitigation not taken
- Pollution: Likely impact on neighbouring settlements (North-Eastern and Southern Side) due to noise generation, Air emission and effluent discharge during construction/operation stage if proper mitigation measure not taken

## 12.8. Environmental Management Plan and Monitoring Indicator

The environmental impacts associated with any development project are eliminated or minimized to an acceptable level through development of appropriate mitigation measures based on most suitable techno-economic options. The Environmental Management Plan (EMP) is a well-established tool to ensure effective implementation of the recommended mitigations measures throughout the subsequent project development stages. The EMP also ensures that the positive impacts are conserved and enhanced. An EMP provides location and time specific actions to be taken with defined responsibility.

### 12.8.1. Institutional Arrangement

BEZA has developed Environmental Social Management Framework (ESMF[244]) with the help of World Bank. The institutional arrangement of EZ shall be aligned as per this framework. Proposed EZ will have an Environmental and social cell which will coordinate with site engineers and Project Monitoring Consultant (PMC).

**Overall Project Implementation Arrangements**

The overall management of the project will be carried out by EZ which is the project implementing unit (PIU).

**Institutional Set Up for Environment Management**

The institutional arrangements for the implementation of various aspects of ESMF and environment management of the proposed project envisaged to be implemented as part of the Private Sector Development and Support Project (PSDSP) comprise the following.

- Project Environment Cell (PEC) at PIU to ensure adequate integration of environment management measures in the design phase and supervise implementation of ESMF and specific requirements of EMP
- Environment Management Unit (EMU) at EZ to implement EMP and other regulatory requirements during construction & operation phase of EZ.

**Project Environment Management Cell (PEC) at PIU**

The Project Implementation Unit (PIU) will establish a Project Environmental Cell (PEC) headed by a 'Manager – Environment' and supported by environmental engineers. The PEC will function to:

[244] http://www.beza.gov.bd/wp-content/uploads/2015/10/ESMF-of-BEZA.pdf

- Supervise implementation of ESMF throughout project implementation period;
- Ensure integration of the EA and the EMP measures into the sub-project design and implementation plans such as contract documents, maintenance contracts, tenant lease agreements, etc;
- Supervise the implementation of the mitigation measures by the Master developers / Contractors;
- Assist the engineering staff and other PIU staff in addressing environmental issues during planning, design and implementation of the sub-projects;
- Prepare periodic progress reports on the implementation of the EMP throughout the project period.

**Environment Management Unit (EMU)**

In order to implement various environmental management measures at EZ, the master developer / contractor / operator will set up an Environment Management Unit (EMU). The EMU will consist of environmental engineers with relevant experience on environmental issues associated with EZ. The EMU will function all through construction and operation phase of the EZ and perform the following functions.

- Identify regulatory requirements of the sub-project and initiate necessary actions / studies to ensure compliance to the same;
- Co-ordinate with DoE and PIU and ensure securing SCC and ECC as applicable for the project(s);
- Co-ordinate with the technical professionals of contractors / sub-contractors and all other agencies involved in the development and operation of EZ / EPZ and ensure that all the requirements of EMP are fully complied;
- Ensure that all the common environmental infrastructure in EZ / EPZ is operated and maintained in compliance with the regulatory requirements of GoB;
- Liaise with individual enterprise/tenants and ensure that all environmental management conditions of the tenant lease agreement are fully complied;
- Prepare regular reports on environment management and submit to PIU/GoB.

### 12.8.2. Monitoring Indicators

The physical, biological and social components which are of particular significance to the proposed project are listed below:

- Air quality
- Water quality
- Noise levels
- Soil quality
- Solid & Hazardous Waste Management
- Plantation success / survival rate
- Soil Erosion
- Siltation
- Contamination of area surrounding to the project site
- Record of accidents
- Recorded public grievance

These indicators will be evaluated periodically based on the monitoring results, baseline conditions, predicted impacts and mitigation measures.

### 12.8.3. Monitoring Plan

The objective of environmental monitoring during the preconstruction, construction and operation phases is to compare the monitored data against the baseline condition collected during the study period to assess the effectiveness of the mitigation measures and the protection of the surrounding environment based on national standards. A monitoring schedule has been sketched based on the environmental components that may be affected during the various phases of the project and is given in the table below.

Table 131: Environmental Monitoring Plan

| S. No. | Aspect | Source of Impact | Monitoring Methods and Parameters | Frequency | Executing Agency | Enforcement Agency |
|---|---|---|---|---|---|---|
| 1.0 | **Preconstruction and Construction Phase** | | | | | |
| 1.1 | Local Manpower Absorption | Construction Works | Contractor's report No. of people working in the project | Monthly | Contractor | BEZA & PMC |
| 1.2 | Soil Erosion | Excavation, disposal, cut & fill and site preparation activities for site levelling and internal roads, disposal | Survey & observation; Extent and degree of erosion; Structures for controlling soil erosion | Monthly | Contractor | BEZA & PMC |
| 1.3 | Greenbelt Development | - | Survival rate of species planted; Density of vegetation | Half Yearly | Contractor | BEZA & PMC |
| 1.4 | Air Quality | Transportation of construction materials, road construction, construction of utilities | Survey & observations; Levels of $PM_{10}$, $PM_{2.5}$, $SO_2$, NOx, CO | Quarterly for two weeks at suitable locations | Contractor | BEZA & PMC |
| 1.5 | Waste Management | Restoration of disposal sites and construction areas | Status of protection measures | Quarterly | Contractors | BEZA & PMC |
| 1.6 | Noise Level | Noise levels compliance with respect to industrial standards | Ambient Equivalent continuous Sound Pressure Levels (Leq) at day and Night time | Quarterly at suitable locations | Contractors | BEZA & PMC |
| 1.7 | Drinking Water | Contamination due to seepage | All physio-chemical & biological parameters | Monthly | Contractor | BEZA & PMC |
| 1.8 | Inland surface Water | Transportation of construction materials, various construction works, runoff from camp | All physio-chemical & biological parameters | Quarterly at suitable locations | Contractor | BEZA & PMC |
| 2.0 | **Operation Phase** | | | | | |
| 2.1 | Noise Levels | Noise levels compliance with respect to industrial standards | Ambient Equivalent continuous Sound Pressure Levels (Leq) at day and Night time | Quarterly at suitable locations | BEZA | BEZA |
| | | | Plant periphery and near noise generation sources | Monthly | Individual Industrial Units | BEZA |
| 2.2 | Biological Environment | Horticulture/ Greenbelt Development | Survival rate of plants and shrubs | Quarterly | BEZA | BEZA |
| | | | Survival rate of plants and shrubs at individual unit | Quarterly | Individual unit | BEZA |

| S. No. | Aspect | Source of Impact | Monitoring Methods and Parameters | Frequency | Executing Agency | Enforcement Agency |
|---|---|---|---|---|---|---|
| 2.3 | Ambient air quality | Ambient air quality levels compliance with respect to industrial standards | Ambient air quality monitoring at individual industries – Monitor levels of $PM_{10}$, $PM_{2.5}$, $SO_2$, NOx, CO | Monthly | Individual Industrial Units | BEZA |
| | | Ambient air quality levels | | Quarterly | BEZA | BEZA |
| 2.4 | Ground /Drinking water quality | water quality levels compliance with respect to industrial standards | Bore-wells installed/ Drinking water source at site (All physio-chemical & biological parameters) | Monthly | Individual Industrial Units/BEZA | BEZA |
| | | | | Quarterly | BEZA | BEZA |
| 2.5 | Inland Surface and water quality | To cross check accidental contamination | Nearby surface water resource (All physio-chemical & biological parameters) | Quarterly | BEZA | BEZA |
| 2.6 | Soil Erosion | River | Survey & observation; | Monthly | BEZA | BEZA |

*Source: PwC Analysis*

## 12.8.4. Community development plan

It is recommended the EZ owners to involve the local community during the project development. The EZ owner/its contractors may recruit local workforce to the extent possible during construction phase. The EZ owner would identify technically qualified unemployed youth around the project location and other nearby areas, and employ as far as practical. The EZ owner should form a forum/ association/ trust along with its industrial units to look after community development activities of EZ. All the industrial units should periodically contribute to this Trust. The Trust would represent EZ and its industries for all matters related to community and its development. This would act as interface between EZ and community. The Trust should encourage its industrial units to recruit local unemployed youth in the jobs during operational phase. For this if required arrange training for the local people to develop skilled manpower required if sufficient skilled manpower is not available to carry out technical work in the industrial units during operational phase.

The Trust will organize a community advisory group involving local representatives, representatives from EZ industries and neighboring industries; that would help them in finding ways to participate with its neighbors in addressing socio-economic concerns. With the advice of its community advisory panel, local officials, and other key individuals and groups, the trust along with its constituent industries may sponsor appropriate programs and projects to benefit its community as a whole.

Some specific community development programs that could be considered by the Trust in coordination with other industries in the locality are suggested here:

- Conducting awareness programs in surrounding villages on health impacts due to environmental pollution (air, noise, water, solid waste, etc.), and precautions to be taken to minimize health impacts.
- Conducting periodic health check-ups to the EZ (including industries) staff and in the surrounding villages to identify pollution related diseases.
- Encouragement to residents in the nearby localities for self-employment ventures, such as by assisting them in arranging micro finances to develop them as artisans/ skilled personnel.
- Periodic training programs on health and sanitary education, women and child development, and income generation schemes.

- Participation in improving the existing medical and educational facilities of the area - for this purpose, it is suggested that the Trust provide funds for facilities improvement (providing toilets, furniture, additional space creation, any other needed) to the local hospitals and schools
- Development of greenbelt/greenery or tree plantation in the nearby vacant government lands to build a green and clean environment in the surrounding areas and to reduce pollution impacts to some extent.
- Sponsoring fellowships to students in surrounding villages to encourage them to go for higher education
- Construction of health facility in collaboration with other industries to improve health status
- Conduct or sponsor camps to clean up river ghats in the surrounding areas.

### 12.8.5. Compensation Plan

For the development of EZ, the authority of BEZA proposes to acquire private land as well. The development of the EZ is proposed on area is a total 874 acres of land. According to local consultation meeting, more than 1800 PAPs would be directly and indirectly affected as a result of development of this project. Hence proper compensation based on present market rates to be provided to the PAPs. Based on stakeholder consultation meeting, the total number of project affected persons (PAPs) are more than 1800 (directly and indirectly); thus a Resettlement Action Plan needs to be prepared.

### 12.8.6. Emergency Preparedness Plan (Contingency Plan)

In order to be in a state of readiness to face adverse effects of accidents, an emergency preparedness plan is required to be prepared which includes on-site and off-site emergency plan by the individual industry and industrial estate.

The Emergency Preparedness Plan will have the following minimal components:

- Accidents preventions procedures/ measures
- Fire prevention planning and measures
- Fire water storage and foam system
- Accident/emergency response planning procedure
- Grievance redressal mechanism
- Emergency control centre
- Emergency information system with role & responsibility and command structure
- Recovery procedure
- Assessment of damages and rectification
- Evaluation of functioning of disaster management plan
- Accident investigation
- Clean-up and restoration

## 12.9. Cost of EMP

The cost of EMP given here includes only that for the CETP, Environmental Monitoring, Audit and greenbelt development. The costs are approximate and need calibration at the time of detailed design and estimation stage.

Table 132: Cost for EMP Implementation

| Nobabgonj EZ | | | |
|---|---|---|---|
| **S. No** | **Components** | **Unit Cost (Tk)** | **Cost (Tk.)** |
| **A** | **Fixed Cost** | | |
| **A.1.** | **Construction Phase (5 Years)** | | |
| A.1.1. | PPEs for staffs of Project Proponent | 120,000/year | 600000 |
| A.1.2. | CETP construction | To be covered under engineering cost | - |
| A.1.3. | Environmental Monitoring (Quarterly) from site and surrounding area<br><br>Ambient Air<br>Ambient Noise<br>Surface Water<br>Ground/Drinking Water<br>Soil Quality | 500000/Quarter | 10000000 |
| A.1.4. | Greenbelt Development at suitable locations | 60000/ Acre/Year | 28842000 |
| A.1.5. | Environmental Audit (Half Yearly) | 100000/study | 1200000 |
| A.1.6. | Environmental Specialist - Full Time : 2 Nos | 1200000/year/person | 14400000 |
| A.1.7. | Social Analyst- Full Time: 2 Nos | 1000000/year | 12000000 |
| A.1.8. | occupational health specialist and a safety specialist- Full Time : 2 Nos | 900000/year/person | 10800000 |
| **A.2.** | Fund for proposed community development activities | Lumpsum | 10000000 |
| | **Total Fixed Cost (BDT)** | | **87842000** |
| **B** | **Recurring Cost (Yearly)** | | |
| **B.1.** | **Operation Phase (per year)** | | |
| B.1.1. | PPEs for staffs of Project Proponent | 200,000/year | 200000 |
| B.1.2. | Solid waste bins for common areas | 150,000/year | 150,000 |
| B.1.3. | CETP operation | To be covered under project cost | - |
| B.1.4. | Environmental Monitoring (Quarterly) from site and surrounding area<br><br>Ambient Air<br>Ambient Noise<br>Surface Water<br>Ground/Drinking Water<br>Soil Quality | 700000/Quarter | 2800000 |
| B.1.5. | Maintenance of Green Belt | Lumpsum | 2884200 |
| B.1.6. | Environmental Audit (Half Yearly) | 200000/half | 400000 |
| B.1.7. | Environmental Specialist - Full Time : 2 Nos | 1400000/year/person | 2800000 |
| B.1.8. | Social Analyst- Full Time : 2 Nos | 1100000/year | 2200000 |
| B.1.9. | occupational health specialist and a safety specialist- Full Time : 2 Nos | 1000000/year | 2000000 |
| B.1.10. | CETP Incharge : 2 Nos | 700000/year | 1400000 |
| | **Total Yearly Recurring Cost (BDT)** | | **14834200** |
| Note: The costs are approximate and need calibration at the time of detailed design and estimation stage<br>* Monitoring/Mitigation cost at individual industry level has not been covered<br>** If there is need of any specific mitigation according to environmental audit/conditions stipulated by regulatory authority for Construction/Operation phase, the cost for the same will be additional | | | |

*Source: PwC analysis*

## 12.10. Conclusion and Recommendation

Environmental review indicates that the overall the impacts from preconstruction, construction and operation phase have limited adverse environmental impacts, and can be readily addressed through wise mitigation measures as suggested. BEZA will invest in land and related off-site infrastructure development so as to make zone accessible and resourceful. Thereafter economic zone development will be responsibility of private developers. The off-site facilities proposed to be developed by BEZA including development of administration building, boundary wall, electrical supply, and access road. The project falls under Red category as per ECA, 1995 and requires prior environment clearance from DoE, Bangladesh.

The recommendations made for the project development on the basis of Environmental and Social Review study are given below:

- A detailed Environmental and Social impact assessment should be carried out by BEZA prior to any site preparation/construction activity and prior environment clearance certificate from DoE, Bangladesh should be taken.
- Construction activities for the development of project should be started after obtaining environment clearance certificate from DoE, Bangladesh
- Proposed environment management plan should be implemented strictly during preconstruction, construction and operation phase of the project.
- Prior Necessary permission should be taken for alteration of water course
- Green area development should be carried out
- Proper training of maintaining environment, health and safety should be given to Project management unit in preconstruction, construction and operation phase
- Provision of garland drain, thick green belt, ETP segregated storm water shall be adhered to
- Environmental monitoring should be conducted as suggested in environment management plan
- Separate environment impact assessment study must be carried out by developer for whole zone before developing the EZ

# 13. Financial Modelling

## 13.1. Purpose and Objectives

Establishing of economic zone regime in Bangladesh is an effort by the GoB to boost manufacturing activity and employment in the country. BEZA intends to attract manufacturers who are interested in setting up manufacturing plants in Bangladesh through development of plug and play infrastructure, industrial land, supply of utilities (water, power and gas), transport connectivity and business friendly policies.

However, in order to develop the infrastructure, it is paramount to understand the financial costs involved in developing such infrastructure and the expected returns that could be expected from operating economic zones. This chapter evaluate the financial feasibility of developing the proposed economic zone which has been determined based on net financial benefits under different scenarios (conservative, base and aggressive) of land uptake in the proposed EZ and level of cash flows accruing to the developer. The rate of land uptake has been captured in the demand forecasting chapter of this report.

This financial model takes into cognizance two scenarios viz. (i) **BEZA is the master developer of the project – Case 1** and (ii) **PPP developer develops the project where BEZA plays the role of regulator – Case 2**.

First scenario considers that BEZA is responsible for land acquisition, resettlement and rehabilitation, and infrastructure developments at the proposed EZ and in turn leasing out industrial space, specialized infrastructure space to private tenants. The major sources of revenue accruing to BEZA has been considered from (1) upfront fees or annual rental for land uptake and (2) mark-up on utility (power, water, gas) provided to manufacturers, (3) service fees/conservancy fees from the EZ. In addition to the capital expenditure for developing this project, BEZA also needs to incur operational expenditure towards operation and maintenance (O&M) of this project.

Second scenario considers that BEZA (as regulator of the project) is responsible for land acquisition, resettlement and rehabilitation, and off-site infrastructure developments at the proposed EZ as a condition precedent. The PPP developer is mandated to develop and maintain the on-site infrastructure and subsequently earn revenue through leasing of industrial/ specialized infrastructure space at the proposed EZ.

This model is developed to analyze revenues generating sources and consequently Project Internal Rate of Return (PIRR), Equity Internal Rate of Return (EIRR), Debt Service Coverage Ratio (DSCR), and Net Present Value (NPV) for both the scenarios.

## 13.2. Methodology of Financial Modelling

The financial model created takes into consideration financial return to BEZA (when BEZA is responsible for the following activities as the regulator and master developer of the project) and the PPP developer (when the PPP developer is responsible for the onsite infrastructure construction and O&M of the project). For the first scenario where BEZA is the master developer, the functionality of this financial modelling is same as the prevailing models of development followed in Economic Zones such as Bangabandhu Sheikh Mujib Industrial City (Mirsarai EZ), Feni, Jamalpur EZ 1, Shreehatta and Maheshkhali (Dhaulghata).

Table 133: Responsibilities of BEZA and PPP developer in different financial models

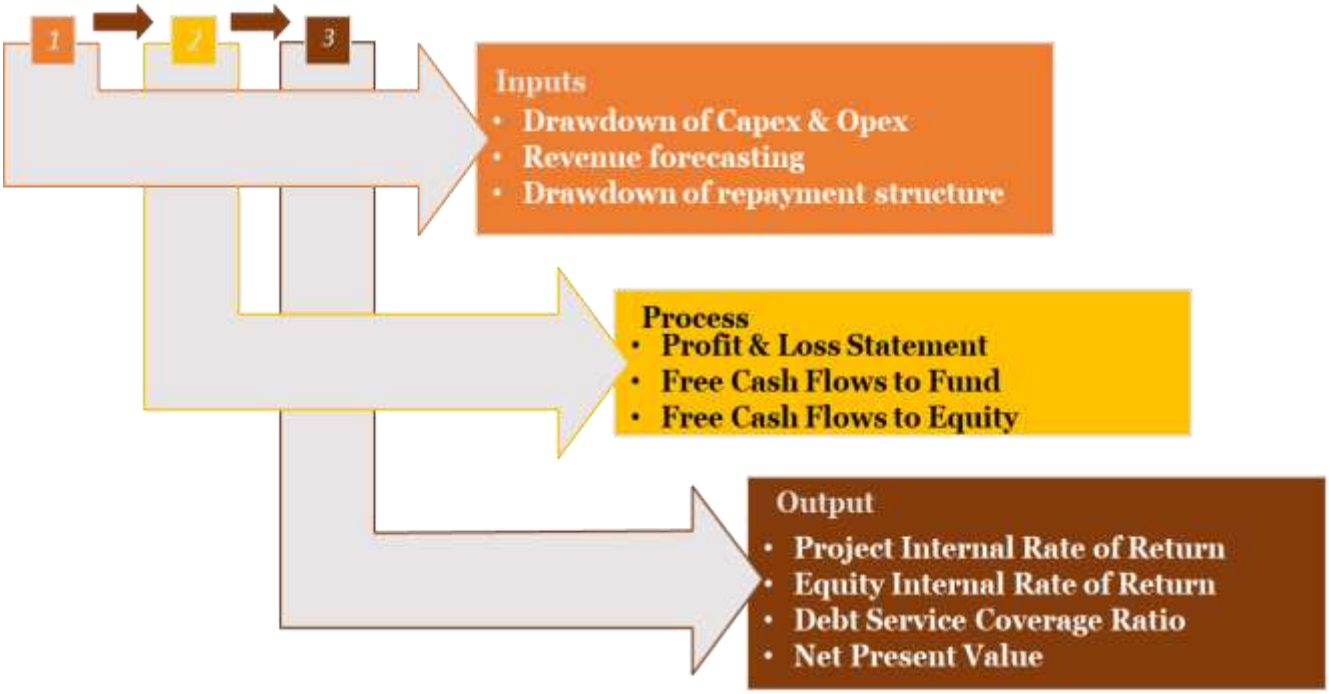
| Aspects | Responsibilities of BEZA/ PPP Developer |
|---|---|
| Land acquisition and ownership | BEZA would acquire the land parcel and allocate the same to tenants (industrial & specialized infrastructure) on leasehold basis for a period of 50 years and extendable on mutual consent basis |

| Aspects | Responsibilities of BEZA/ PPP Developer |
|---|---|
| Resettlement & Rehabilitation | BEZA would be responsible for resettlement and rehabilitation activities for all social incumbencies prevailing within the proposed EZ |
| Infrastructure development (Business as usual scenario) | Development of off-site and on-site infrastructure components is the responsibility of BEZA as condition precedent. In case of PPP project, the private developer is responsible for developing the on-site infrastructure |
| Financing | Responsibility of BEZA (for BEZA model) and it is the responsibility of the PPP developer for the PPP model |
| O&M | Responsibility of BEZA (for BEZA model) and it is the responsibility of the PPP developer for the PPP model |

*Source: PwC analysis*

To have a robust model in place, an exhaustive list of assumptions has been developed which duly indicates all the inputs considered for determining the expected return on the investment. Consent has been obtained from BEZA officers about these assumptions. A graphical diagram depicting the functionalities of financial model is shown below.

*Figure 94: Process flow of Financial Model*




*Source: PwC Analysis*

**Inputs**

A yearly model has been developed to depict the Capex (cost of land acquisition, infrastructure, EMP, pre-operations) and Opex expenses along with debt (both commercial borrowing and concessional loan) drawdown structure, in order to have a granular insight into the capital cash outflows. Revenue Forecasting has been done on an annual basis to understand the cash inflows accruing to BEZA or the PPP developer through lease of industrial land, land for specialized infrastructure (real estate, logistics etc.), surcharge on supply of utility services (like water, power, gas and water treatment), and EZ service fees.

**Process**

Considering the expenses and revenue sources above, pro-forma income statements have been calculated which captures the profits/loss and cash flows accruing to BEZA or the PPP developer. This process forms the backbone of the financial model which is used to determine the returns to BEZA or the PPP developer.

**Outputs**

BEZA being the Government nodal agency mandated for development of economic zones in Bangladesh, is concerned with the PIRR i.e. the overall returns accruing from the project and not on parameters such as equity IRR, Debt Service Coverage Ratio (DSCR); whereas the PPP developer is concerned with various ratios such as PIRR, EIRR, and DSCR

Thus, as a measure of calculating returns to BEZA on its investment in this project, parameters that have been considered are Rate of Return to providers of capital (debt + equity) i.e. project IRR.

Three scenarios (viz. conservative, base and aggressive) have been considered in this model based on the anticipated occupancy (land demand uptake) of the proposed economic zone in order to make provision for a dynamic investment climate. The land uptake in an industrial project are highly impacted by the country's and regional economic growth. These scenarios could occur due to trickledown effect of the changing economic context on macro and micro level. These scenarios would assist BEZA in assessing the range of expected return that it could anticipate through its investment in the proposed EZ.

Aggressive case assumes macro-economic conditions of Bangladesh and the region are improving; macro level economic conditions are improving; land uptake rate will be higher than the anticipated demand. Base case assumes macro-economic conditions of Bangladesh and the region are showing steady trend and behaving as expected; land uptake will be as per anticipated demand. Conservative case considers macro-economic conditions of Bangladesh and the region are showing declining trend; land uptake rate will be lower than the anticipated demand.

**The broad level commercial aspects considered while developing the model for the scenario where BEZA plays the role of the master developer i.e. Case 1 are –**

- BEZA would be responsible for financing, constructing infrastructure for the proposed EZ and subsequently the Operation and Maintenance.
- Cost of land acquisition is the prerogative of BEZA.
- Construction of the infrastructure of the proposed EZ is the prerogative of BEZA
- The project would be financed by BEZA's own equity and loans from commercial lenders & financial institutions (i.e. concessional loan).
- Marketing of the industrial plot will be done by BEZA.
- BEZA will enter into lease agreement with the industrial units/specialised infrastructure units. These units will be the end users/tenants at the plots in economic zone.
- Complete ownership of the land demarcated for this project belongs to BEZA. The private tenants who would be allocated land parcels towards industrial and specialised infrastructure space in the EZ would be required to pay BEZA as per the following:
    - Upfront fees OR Annual Land Lease premium
    - Mark-up on Utilities (power, water, gas, and water and effluent treatment)
    - EZ Conservancy/Service fees

**Similarly, the commercial aspects considered when a PPP developer is assigned by BEZA to develop the project i.e. Case 2 are -**

- The PPP developer would be responsible for financing, constructing on-site infrastructure for the proposed EZ and subsequently the Operation and Maintenance.
- Cost of land acquisition and construction of off-site infrastructure should be the prerogative of BEZA as per conditions precedent.

- Construction of the on-site infrastructure of the proposed EZ is the prerogative of the PPP developer
- The project would be financed by PPP developer's own equity and loans from commercial lenders & financial institutions (i.e. concessional loan).
- Marketing of the industrial plot will be done by the PPP developer.
- The PPP developer will enter into lease agreement with the industrial units/specialised infrastructure units. These units will be used by the end users/tenants at the plots in economic zone.
- Complete ownership of the land demarcated for this project belongs to BEZA which will be transferred to the PPP developer on lease hold basis. The private tenants who would be sub-leased the land parcels towards industrial and specialised infrastructure space in the EZ would be required to pay the PPP developer as per the following:
    - Annual Land Lease premium
    - Mark-up on Utilities (power, water, gas, and water and effluent treatment)
    - EZ Conservancy/Service fees

Assumptions in the financial model is captured in the next section.

## 13.3. Assumptions, Inputs and Variables

In this section, the key assumptions used in developing the financial model (to assess the financial viability of the proposed project) have been elucidated.

### 13.3.1. Timing Assumptions

The proposed EZ is spread over an area of ~874 acres. Considering the fact that this project is a priority for BEZA, it has been assumed that in the coming six months (i.e. till December 2020) BEZA shall complete all the regulatory activities pertaining to the approval of the project. Hence, the model start date has been assumed from 1st July 2020. A 50 years model tenure has been considered. Following table captures the timing assumptions for this project.

Table 134: Timing related assumptions

| S. No. | Details | Assumptions |
|---|---|---|
| 1 | Start date | • 1st July 2021 (financial year 2022) |
| 2 | Land acquisition activities | • 2022-2024 (3 years) |
| 3 | Resettlement & Rehabilitation activities | • 2021-2024 (4 years) |
| 4 | Infrastructure developments | • 2022-2026 (5 years) when BEZA develops the project<br>• 2023-2026 (4 years) when PPP developer develops the project |
| 5 | Start of operations | • 1st Jan 2024 (financial year 2024) |
| 6 | Model end date | • 30th June 2070 (financial year 2070) |

*Source: PwC Analysis*

Considering the development trends and land acquisition related aspects in Bangladesh, above stated assumptions have been taken on the conservative side.

## 13.3.2. Land Use Pattern

In the earlier chapters, based on the prevailing infrastructure, best practice master planning has been formulated. In line with the same, following table elaborates the land use pattern for the proposed EZ.

Table 135: Land use pattern

| S. No. | Details | Land Use (in Acres) |
|---|---|---|
| 1 | Industrial Space | **588.81** |
| 2 | Public & support amenity | **18.88** |
| 3 | Non processing area (utility, road, green and open space, admin and custom block and support amenity) | **266.26** |
| Total | | **873.96** |

*Source: MACE analysis*

Apart from these, an area of 30 acres has been considered for construction of SFB in case of the PPP developer developing the project.

## 13.3.3. Revenue Assumptions

In case of BEZA being the master developer of the project i.e. Case 1, it will earn revenues through land leasing, mark-up on utilities and EZ service fees. The main revenue source for BEZA includes- (i) revenue from upfront fees OR annual land lease premium for industrial space (i.e. industrial land), (ii) revenue from mark-up of utilities (water, power, gas, water and effluent treatment), and (iii) EZ Conservancy/Service Fees.

Similarly, as per Case 2, where the PPP developer comes onboard, it will also have the same revenue sources except for the revenues accrued due to payment of upfront fees for industrial or specialised infrastructure land. In addition, revenue accrued due to Standard Factory Buildings will also be a source in this case.

**Assumptions for revenue generating from industrial and specialized infrastructure space**

BEZA as a regulator is in process of allocating land plots to industrial and infrastructure tenants in different Government owned EZs such as Bangabandhu Sheikh Mujib Industrial City (Mirsarai EZ), Feni, Jamalpur EZ 1, Shreehatta and Maheshkhali (Dhaulghata). The following table elaborates the tariff rates for direct allotment of space in these EZs.

Table 136: Land Tariff at Government owned EZs in Bangladesh

| S. No. | Mode of Payment | Category of Land | Annual Rent per sq. m (USD) | Contract Period | Total Rent per sq. m. (USD) |
|---|---|---|---|---|---|
| **Land tariff prevalent at Mirsarai EZ** | | | | | |
| 1 | Onetime payment (Upfront fees) | Developed | **0.60** | **50** | **30.00** |

| S. No. | Mode of Payment | Category of Land | Annual Rent per sq. m (USD) | Contract Period | Total Rent per sq. m. (USD) |
|---|---|---|---|---|---|
| **Land tariff prevalent at Mirsarai EZ** | | | | | |
| 2 | | Undeveloped | **0.30** | **50** | **15.00** |
| 3 | | Specialized infrastructure | **0.345** | **50** | **17.25** |
| 4 | Annual rent basis | Developed | **1.50** | **50** | **-** |
| 5 | | Undeveloped | **0.75** | **50** | |
| 6 | | Specialized infrastructure | **0.90** | **50** | |
| **Land tariff prevalent at Jamalpur EZ - 1** | | | | | |
| 1 | Onetime payment (Upfront fees) | Developed | **0.525** | **50** | **26.75** |
| 2 | | Specialized infrastructure | **0.315** | **50** | **15.75** |
| 3 | Annual rent basis | Developed | **1.35** | **50** | **-** |
| 4 | | Specialized infrastructure | **0.81** | **50** | |

*Source: BEZA*

**Tariff plan 1: Tariff rate based on existing government EZs**

Based on benchmarking exercise carried out by the study team, it has been observed that for existing economic zones the onsite and offsite infrastructure project are developed by the concerned nodal agencies. This has allowed BEZA economic zone to charge low land tariffs. Based on the benchmark the study team has identified Jamalpur and Mirsarai economic zone for tariff estimation.

Jamalpur EZ is located at ~160 Km from Dhaka in Mymensingh division in northern part of country. Jamalpur EZ is located at a distance of 423Km from Chattogram seaport and 382Km from Mongla seaport which are major trade gateway of country. The proposed EZ at Nawabganj is also located in the central part of Bangladesh close to Dhaka with significant industrial proliferation in the region and also located have good IWT connectivity with Dhaka and Chittagong. EZ is located in closer to Dhaka in comparison to Jamalpur EZ and better placed in term of IWT connectivity. Apart from location the proposed EZ have better backward and forward linkages in terms of raw material and consumption markets.

Hence, the land tariffs are assumed to be 20% more than that of Jamalpur (annual rent of USD 1.35/Sq. m and upfront fee of USD 26.75/Sq. m) considering the locational advantage and features of the proposed EZ in terms of its access to domestic markets and EXIM gateways. Since the proposed EZ is expected to become operational in 2024, the above land tariffs are expected to increase. In order to consider the effect of the same, an escalation of 10% for a block of 3 years[245] on the above tariffs have been considered to evaluate the project returns in case of BEZA developing the project. **Thus, land tariff for annual rent is assumed to be USD 1.9 per sq. m USD (BDT 15 per sq. ft. per annum) and the same for upfront fees is assumed as ~USD 37.9 per sq. m (BDT 300 per sq. ft).**

**Tariff plan 2: Tariff rate based on the land tariff of private/PPP EZs**

Tariff plan 1 is based on the EZs where cost of offsite and onsite infrastructure is not borne by BEZA. Hence, the cost is not being recovered from the project. The closest benchmark available where onsite infrastructure cost is being recovered from project revenue are private or PPP economic zones. In the case of private economic zone development, the off-site infrastructure is developed by the concerned nodal agencies and private developer only bears the cost of onsite infrastructure.

Private economic zones such as Meghna Industrial Economic Zone (Narayanganj), Bay Economic Zone, Abdul Monem Economic Zone which are located in close proximity to Dhaka, charge tariffs ranging from USD 7 to USD 12 per sq. m per annum (~ BDT 95 per sq. ft. per annum) to USD 7 per sq. m per annum (~ BDT 55 per sq. ft. per annum). Land tariffs in economic zones such as the one in Mongla (PPP) developed by Sikder Group, oscillate between the tune of USD 4 per sq. m per annum (~ BDT 30 per sq. ft. per annum) to USD 7 per sq. m per annum (~ BDT 55 per sq. ft. per annum).

Mongla EZ being developed in PPP mode is the most suitable comparable to benchmark the tariff rates for the proposed as at Nawabganj. Average lease rental for the EZ is USD 5.5 per sq. m per annum (~BDT 43 per sq. ft. per annum). Being located in close proximity of Mongla port, EZs have better access to Mongla seaport. Mongla EZ have very good IWT connectivity with Dhaka and Chattogram. While proposed EZ at Nawabganj is located in the central part of Bangladesh significant industrial proliferation in the region and also located close commercial centres such as Dhaka.

Hence, lease rental equivalent of Mongla PPP EZ (annual rent of USD 5.5/Sq. m) has been assumed considering the fact that the proposed EZ is located not only in the region with significant industrial proliferation in the region and also located close to commercial hotspots such as Dhaka and Chittagong but away from EXIM gateways of the country. The proposed EZ is expected to become operational in 2024 the above land tariffs are expected to increase. In order to consider the effect of the same, an escalation of 10% for a block of 3 years on the above tariffs have been considered to evaluate the project returns. **Thus, land tariff for annual lease rent is assumed to be USD 6.07 per sq. m (BDT 48 per sq. ft. per annum). The upfront fee of BDT 960 per sq. ft. has been considered based on the existing ratio of annual lease rental and upfront fee.**

Same annual lease rental has been considered for evaluating project returns in case of PPP developer developing the project. Based on market information, tariff for Standard Factory Building (SFB) has been assumed as BDT 300 per sq. ft. per annum.

**Assumptions for revenue generating from Mark-up on utility charges**

BEZA levies a service charge (Mark-up of 5%) on the prevailing utility tariffs. The same has been considered as 10% in case of the PPP developer.

**Assumptions for revenue generating from EZ Conservancy/Service fees**

BEZA charges a conservancy charge of **BDT 0.39 per annum/sq. ft. land or factory space**.[246] However, the market rates may differ for the same. In case of the PPP developer, the same is assumed as **BDT 5 per annum/sq. ft. land or factory space.**

**Assumptions for revenue generating from other sources**

As per the land allotment brochures for Government owned EZs in Bangladesh, BEZA charges the following:

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[245] *As per benchmarks in Southeast Asian economies such as India, industrial land tariffs increase to the tune of 10% for a block of 3 years*

[246] *Source: BEZA guidelines*

- Regulatory permit fees: BDT 500 per permit
- Registration of Industrial unit: USD 500
- Design approval for Industrial unit: BDT 10,000
- Compliance charges for Medical & Environment and Worker's management: to be decided later

The study team has considered 2% top up on gross revenue in the financial model to factor in the above cost. This has been considered when BEZA plays the role of the master developer and it has been waived off in case of the PPP developer developing the project.

**In the financial model all revenue related assumptions have been considered in line with the above.**

## *13.3.4. Cost Assumptions*

### *13.3.4.1. Assumptions related to Capital expenses*

**Case 1: BEZA playing the role of the master developer**

For undertaking this project, BEZA has to incur the following cost outlays.

- Cost of land acquisition
- Cost pertaining to resettlement and rehabilitation
- Infrastructure cost
- Other costs (EMP & Pre-operating costs)

**Cost of land acquisition and resettlement and rehabilitation**

For the development of the EZ, BEZA proposes to possess 834 acres of land, which is entirely private in nature comprising of settlements. As per primary stakeholder consultations with AC land and UNO officials, cost towards acquiring this private land together with compensation for resettlement and rehabilitation is **BDT 5338.25 million**. Details of these are captured in the Social Review chapter of the report.

**Cost pertaining to Off-site infrastructure**

Infrastructure assessment recommends that for developing this project, BEZA must undertake off-site infrastructure development pertaining to land filling, utility supply and boundary wall. Details of the same are captured in the Infrastructure Assessment chapter. The following table depicts the cost towards the above-mentioned elements.

Table 137: Off-site infrastructure cost estimates to be incurred by BEZA

| Description of item | Price without tax (In million Taka) | Responsible Agency |
|---|---|---|
| **Power network** | 387.85 | REB |
| **Road network with connecting bridge** | 300.36 | BEZA |
| **Water supply network** | 8.52 | DPHE |
| **Boundary wall** | 182.59 | BEZA |
| **Gas supply** | 150.00 | GTCL |
| **Project sub-total** | **1029.32** | |

*Source: MACE analysis; costs have been calculated using updated references and scheduled rates of concerned nodal agencies of Bangladesh*

**Other costs**

Cost associated with Environmental Management Plan is considered as ~ **BDT 87.84 million.**

**Cost pertaining to On-site infrastructure**

Infrastructure assessment recommends that for developing this project, BEZA has to undertake on-site infrastructure development pertaining to internal road network, power network, water supply, wastewater treatment, support amenities etc. Details of the same are captured in the Infrastructure Assessment chapter. The following table depicts the cost towards the above-mentioned elements.

Table 138: On-site infrastructure cost estimates to be incurred by PPP developer and BEZA

| Description of item | Cost to be incurred without tax (In million Taka) by BEZA | Cost to be incurred without tax (In million Taka) by Private developer |
|---|---|---|
| **Site Development** | 3332.78 | 3332.78 |
| **Road network** | 3082.42 | 3853.02 |
| **Footpath and plot entry culvert** | 283.84 | 283.84 |
| **Storm water drain** | 161.65 | 161.65 |
| **Power supply** | 1,031.54 | 1,043.12 |
| **Water supply** | 865.27 | 901.29 |
| **Sewage, effluent and solid waste collection/treatment** | 1893.61 | 1905.42 |
| **Telecom** | 209.48 | 209.48 |
| **Sustainable infrastructure elements** | 61.06 | 61.06 |
| **Support amenities** | 830.74 | 830.74 |
| **Project sub-total** | **11,752.40** | **12,582.40** |

*Source: MACE analysis; costs have been calculated using updated references and scheduled rates of concerned nodal agencies of Bangladesh*

In addition to the above, cost pertaining to Standard Factory Buildings has been assumed as BDT 1712/ sq. ft. in case of the PPP developer developing the project (Case 2)

### *13.3.4.2. Assumptions Related to Operating Expenses*

For undertaking this project, both BEZA and/or the PPP developer has to incur the following operating cost outlays.

- Cost of Manpower
- Cost pertaining to operations and maintenance (O&M)

**Cost of Manpower**

Basis benchmarks of similar developments in Bangladesh context, total cost of manpower (at full utilization level) has been considered as **BDT 20 million for Case 1 and BDT 40 million for Case 2.** It has been assumed that in the 4th year from the start of the project, full utilization of manpower would take place.

**Cost pertaining to operations and maintenance (O&M) and Marketing expense**

Taking reference from similar projects, **1.50% of total infrastructure cost per annum** towards operations and maintenance (O&M) has been considered for the financial model for Case 1 and Case 2 i.e. BEZA developing the project and PPP developer developing the project respectively.

**Financing Assumptions**

**Case 1: BEZA playing the role of the master developer**

Financing assumptions pertaining to Case 1 have been outlined below:

- Debt: Equity= 70:30; Debt could be sourced through concessional loan/ grant
- Precedencies in Bangladesh indicate that BEZA being the apex authority in the domain of organized industrial development in Bangladesh has access to various financial support from donor agencies and multilaterals to drive industrial growth in Bangladesh. Thus, it has been assumed that it could be prudent for BEZA to obtain concessional loan from agencies such as World Bank, International Development Association etc. in order to fund the project.
- For concessional loan: moratorium period- 5 Years (after loan disbursement); rate of interest- 5% per year; repayment period- 15 years
- An equal spread repayment of principal has also been assumed towards repayment of the loan (for example 10% principal repayment every year over 10 years of repayment period or 5% principal repayment every year over 20 years of repayment period).

The developer will be liable to pay income taxes as per Income Tax Ordinance, 1984. As per the ordinance 'Income from Business or Profession' are taxable, the ordinance allows deductions from total income or revenue for cash and non-cash expenses (i.e. depreciation and amortization), to arrive at Net Income before Tax (NIBT). The applicable corporate tax rate is then applied to NIBT to derive income tax to be paid. As per prevailing tax regulations, Income Tax rate of 35% is applicable for any private entity. However, BEZA being a Government agency, no tax liability has been assumed in the model.

Straight Line Method (SLM) of depreciation has been considered and annual depreciation rate of 2.08% has been taken in the model for a project tenure of 48 years. Depreciation assumptions for tax treatment are in line with prevailing corporate income tax ordinance 1984 guidelines in Bangladesh (10% per annum on WDV method).

**Case 2: The project being developed by a PPP developer assigned by BEZA**

Financing assumptions pertaining to Case 2 have been outlined below:

- Debt: Equity = 70:30; Debt could be sourced from commercial borrowing or loan
- In case of a private developer, commercial loan from financial institutions and banks become a realistic source of obtaining debt in order to fund the project according to prevalent infrastructure funding environment in Bangladesh. However, concessional borrowing, if obtained, through support from BEZA and GoB could improve project returns for any private player developing the project and thus enhance attractiveness of the project. This could depend on various factors such as project potential, market reputation, balance sheet exposure, occupancy risk of the project etc.
- For commercial borrowing: moratorium period- 4 Years (after loan disbursement); rate of interest- 10% per year; repayment period- 8 years
- An equal spread repayment of principal has also been assumed towards repayment of the loan (for example 10% principal repayment every year over 10 years of repayment period or 5% principal repayment every year over 20 years of repayment period).

The developer will be liable to pay income taxes as per Income Tax Ordinance, 1984. As per the ordinance 'Income from Business or Profession' are taxable, the ordinance allows deductions from total income or revenue for cash and non-cash expenses (i.e. depreciation and amortization), to arrive at Net Income before Tax (NIBT). The applicable corporate tax rate is then applied to NIBT to derive income tax to be paid. As per prevailing tax regulations, Income Tax rate of 35% is applicable for any private entity.

Straight Line Method (SLM) of depreciation has been considered and annual depreciation rate of 2.08% has been taken in the model for a project tenure of 50 years. Depreciation assumptions for tax treatment are in line with prevailing corporate income tax ordinance 1984 guidelines in Bangladesh (10% per annum on WDV method).

### *13.3.5. Other Assumptions*

**Usage Norms for utilities**

In furtherance to the utility consumption data obtained from the primary survey, ultimate water and power requirement for each of the industries are based on the applicable industry norms in Bangladesh.

Since, this report captures only the tentative breakup of industries that could be established within the proposed EZ, utility consumption figures have been considered for the industry requiring the highest water and power supply per acre for the entire industrial plot. This is a conservative assumption made to ensure adequate supply of utility within the site in future.

Table 139: Utility Usage Norms

| Power Requirement (MW per acre) | Water Requirement ('000 litres per acre per day) | Gas (Cum/acre/annum) |
|---|---|---|
| 0.18 | 34.07 | 50,000 |

*Source: MACE Analysis & Market intelligence*

Based on standard industry benchmarks, 70% of water demand is considered as effluent generated and 60% of water demand is considered as sewage generated

**Prevailing tariffs for utilities**

Referring to prevailing utility tariffs for EPZs in Bangladesh and other industrial units, following utility tariffs have been considered in the model[247]:

- Power tariff: **BDT 8.97/unit**
- Water tariff: **BDT 33.21/ '000 litres**
- Gas tariff: **BDT 9.80/Cum**
- Effluent treatment tariff: **BDT 36.95/ '000 litres**
- Sewage tariff: **BDT 50/ '000 litres**

**Industrial space uptake rates**

In line with the best practices prevailing in economic zone development, it has been assumed that developer will construct the basic shell infrastructure- public amenities, utilities and roads. This developed land in the proposed EZ will be provided on long-term lease to the industrial tenants. It has also been considered that during the construction period, developer will simultaneously undertake marketing activities for unit plots, to attract investors. Once all infrastructure development is complete, services installed and the proposed EZ is completely ready for operation, the industrial tenants will start moving onto their respective plots. Three scenarios have been created for the industrial space fill rate. Detailed calculation for each of these scenarios are duly captured in the Demand Forecasting chapter.

Aggressive case assumes macro-economic conditions of Bangladesh and the region are improving; macro level economic conditions are improving; land uptake rate will be higher than the anticipated demand. Base case assumes macro-economic conditions of Bangladesh and the micro-market are showing steady trend and behaving as expected; land uptake will be as per anticipated demand. Conservative case considers macro-economic conditions of Bangladesh and the region are showing declining trend; land uptake rate will be lower than the anticipated demand. As per demand forecasting exercise, complete industrial space uptake would take place in 12 years, 11 years, and 9 years respectively for conservative, base, and aggressive cases.

*Table 140: Land uptake across three cases*

| S. No. | Years | Conservative | Base | Aggressive |
|---|---|---|---|---|
| 1 | 2024 | 1% | 2% | 4% |
| 2 | 2025 | 3% | 6% | 10% |
| 3 | 2026 | 7% | 13% | 19% |

[247] *BEPZA rates prevalent in Dhaka Export Processing Zone*

| S. No. | Years | Conservative | Base | Aggressive |
|---|---|---|---|---|
| 4 | 2027 | 13% | 21% | 30% |
| 5 | 2028 | 20% | 30% | 41% |
| 6 | 2029 | 24% | 38% | 51% |
| 7 | 2030 | 28% | 44% | 60% |
| 8 | 2031 | 30% | 49% | 69% |
| 9 | 2032 | 37% | 59% | 83% |
| 10 | 2033 | 43% | 69% | 96% |
| 11 | 2034 | 51% | 81% | 100% |
| 12 | 2035 | 56% | 91% | 100% |
| 13 | 2036 | 69% | 100% | 100% |
| 14 | 2037 | 85% | 100% | 100% |
| 15 | 2038 onwards | 100% | 100% | 100% |

*Source: Demand Model*

**Other assumptions**

Referring to prevailing macro-economic conditions of the country and similar benchmarks, following escalation rates have been considered:

- Operating expenses: 3% per annum for both Case 1 & Case 2
- Revenue from space (industrial & Specialized infrastructure): 1% per annum for Case 1 & Case 2
- Revenue from Standard Factory Buildings: 10% per annum only for Case 2
- Revenue from utility mark-up: 7% per annum for both Case 1 & Case 2

## 13.4. Sensitivity Testing on Key Inputs

The following figure summarises the revenue and cost drivers, and decision-making parameters of this financial model.

*Figure 95: Revenue and Cost drivers*

| Revenue Drivers |
|---|
| **Parameters** |
| Revenue from Upfront payment for Industrial space |
| Revenue from annual rent for Industrial space |
| Revenue from Upfront payment for Specialized infrastructure space |
| Revenue from annual rent for Specialized infrastructure space |
| Mark-up on utility (power, water, gas, water and effluent treatment) |
| Escalations for revenue from industrial & specialized infrastructure space |
| Undeveloped land as a % of total land for industrial space |
| Undeveloped land as a % of total land for specialized infrastructure space |

| Cost Drivers |
|---|
| **Parameters** |
| Capital expenses |
| Operating expenses |
| Interest expenses for commercial borrowing |
| Interest expenses for concessional borrowing |
| Escalations on capital and operating expenses |

*Source: PwC analysis*

Following parameters have been varied in the sensitivity analysis to assess the most sensitive variable in the financial model for **Case 1** i.e. **BEZA developing the project in unconventional approach**

- Upfront fee from industrial space
- Annual rent from logistics area
- Annual rent from industrial space/land
- Mark-up charges on utility
- Interest expenses for commercial borrowing
- Interest expenses for concessional borrowing
- Escalation rate for revenue from industrial and specialized infrastructure space

Based on the same, a sensitivity check has been carried out to understand the most sensitive parameter (as per the Base case of land uptake), where each of the above-mentioned parameters have been varied by +/- 25% (keeping the other parameters constant) to understand the impact on the project IRR.

Table 141: Sensitivity variation of Project IRR for the Base case in PPP unconventional approach

| Parameters | Project IRR | | |
|---|---|---|---|
| | -25% | 0% | +25% |
| **Annual rent from industrial space/land** | 9.04% | 9.92% | 10.69% |
| **Space allocated to SFB** | 9.30% | 9.92% | 10.46% |
| **SFB rental** | 9.11% | 9.92% | 10.58% |

| Parameters | Project IRR | | |
|---|---|---|---|
| **Escalation on revenue from SFB** | 9.29% | 9.92% | 10.62% |
| Annual rent from specialized infrastructure space/land | 9.91% | 9.92% | 9.93% |
| Mark-up charges on utility | 9.81% | 9.92% | 10.03% |
| Escalation rate for revenue from industrial and specialized infrastructure space | 9.49% | 9.92% | 10.39% |

*Source: PwC Analysis*

**Annual rent from industrial space, SFB rental, and Escalation on revenue from SFB have emerged out to be the most sensitive revenue driver influencing the rate of return from the project.**

In order to maximise the return from this project, increasing tariffs of these three parameters would result in maximum returns for both the cases.

## 13.5. Assessment of Project Returns for BEZA

Two tariff plan has been considered while analysing the project return for BEZA**: i) Tariff plan 1 - Tariff rate based on EZs developed with assistance of Government of Bangladesh, ii) Tariff plan 2 - Tariff rate based on the existing land tariff of private / PPP EZs.**

The following options have been analysed based on both the tariff scenarios to determine the best case of project returns for Case 1 i.e. BEZA playing the role of the master developer of the project:

- **Option 1: offsite and onsite infrastructure to be developed by BEZA** – In this scenario, it is assumed that BEZA will bear the cost of onsite and off-site infrastructure and both to be recovered through project. Cost of debt is at commercial borrowing rates.
- **Option 2: offsite and onsite infrastructure to be financed by multilaterals** – In this scenario, it is assumed that off-site and onsite infrastructure to be financed by multilaterals on concessional borrowing rate.
- **Option 3: offsite infrastructure to be developed through nodal agencies** – In this scenario, it is assumed that BEZA will outsource costs pertaining to off-site infrastructure to nodal agencies. Cost of debt is at commercial borrowing rates.
- **Option 4: offsite infrastructure to be developed through nodal agencies and onsite infrastructure to be financed by multilaterals:** In this scenario, it is assumed that BEZA will outsource costs pertaining to off-site infrastructure to nodal agencies and onsite infrastructure to be funded by multilaterals on lower interest rate.
- **Option 5: offsite and onsite infrastructure to be developed through Nodal agencies** – In this scenario, it is assumed that BEZA will outsource all infrastructure costs (both off-site and on-site) pertaining to the project to Nodal agencies.

The flowing table summarises the returns accrued in base case of land uptake considering the Tariff plan 1.

Table 142: Project returns across scenarios – Base case[248] – Tariff plan 1

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[249] | NPV FCFE (in BDT million) | NPV FCFF (in BDT million) |
|---|---|---|---|---|---|---|
| **Option 1: offsite and onsite infrastructure to be developed by BEZA** | 1.56% | 0.62% | 0.21 | 0.23 | -10252.8 | -15241.9 |
| **Option 2: offsite and On-site infrastructure to be financed by multilaterals** | 2.16% | 1.82% | 0.32 | 0.33 | -7862.9 | -11823.2 |
| **Option 3: offsite infrastructure to be developed through nodal agencies** | 1.78% | 0.89% | 0.23 | 0.25 | -9491.5 | -14178.0 |
| **Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals** | 2.39% | 2.11% | 0.35 | 0.35 | -7244.6 | -10798.8 |
| **Option 5: offsite and onsite infrastructure to be developed through Nodal agencies** | 7.31% | 9.60% | 1.19 | 0.81 | -638.7 | -1909.9 |

*Source: Financial Model;*

It can be observed that project is not feasible based on tariff plan 1 which is based on EZs developed with assistance from GoB. This further validates the requirement for increase in tariff. The study team has further carried out feasibility assessment based on increased tariff. Table below summarises the returns accrued in base case of land uptake considering the Tariff plan 2 (values pertaining to Conservative, and Aggressive cases have been furnished in Annexure 25).

Table 143: Project returns across scenarios – Base case – Tariff plan 2

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[250] | NPV FCFE (in BDT million) | NPV FCFF (in BDT million) |
|---|---|---|---|---|---|---|
| **Option 1: offsite and onsite infrastructure to be developed by BEZA** | 6.34% | 7.60% | 0.99 | 0.65 | -3491.2 | -7352.0 |
| **Option 2: offsite and On-site infrastructure to be financed by multilaterals** | 7.30% | 10.13% | 1.30 | 0.90 | -1234.1 | 539.6 |
| **Option 3: offsite infrastructure to be developed through nodal agencies** | 6.69% | 8.26% | 1.06 | 0.69 | -2762.9 | -6338.7 |
| **Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals** | 7.66% | 10.91% | 1.39 | 0.96 | -670.3 | 1472.6 |
| **Option 5: offsite and onsite infrastructure to be developed through Nodal agencies*** | 16.14% | 33.09% | 3.79 | 2.28 | 5047.0 | 5237.7 |

*Source: Financial Model; *BCR and NPV values with 10% and 15% cost of equity is furnished in annexure*

[248] *values pertaining to Conservative, and Aggressive cases have been furnished in Annexure 25*
[249] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*
[250] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

**Return are high in option 5 as offsite and onsite infrastructure are developed through assistance of nodal agency and cost of infrastructure is not recovered through project revenue. This is not a recommended strategy to be adopted by BEZA.*

**It can be observed that tariff plan 2 improves the project financial returns across options substantially. The returns are still below the bankable threshold (i.e.< 13% to 14%) for all options other than option 5, where offsite and onsite infrastructure are being developed by the concerned nodal agencies. However, this option is not recommended to be adopted by BEZA. However, project in option 2 and option 4 fetches higher return than weighted average cost of capita i.e. 7.1%.**

**In order to make the project financially viable in case of Option 3 (offsite infrastructure to be developed through nodal agencies), BEZA can consider charging higher lease rentals in line with private developer's rates, but high rentals may negatively impact the uptake of land. However, considering the same land uptake rate, BEZA should charge annual lease rental of rental of ~76 BDT/sq. ft/year to match project IRR with weighted average cost of capital (WACC) which is 9.9%.**

**Queen Bee Strategy**

The Queen Bee Strategy involves attracting anchor investors to economic zones through concessions in upfront fees and charging nominal yearly lease. Ancillary industries generally follow the anchor industries and set up shop in the economic zones to cater to requirements of the anchor industries. The ancillary industries can be charged tariff in line with private economic zones tariff to compensate for the concessions given to anchor industry. The study team has assumed that 1 unit with 150 acre land will be offered to anchor tenant at nominal annual lease rental of **BDT 1/Sq. Ft/year**. Anchor tenant will attract original equipment manufacturers, Small and medium enterprises across the value chain of the product.

This will amplify the land demand within proposed EZ and this will result in faster land uptake. Based on benchmark of EZs/industrial zones it has been observed that uptake time is generally reduced by 50%. Hence, the study team has assumed an uptake time of 6 years. Considering the demand generated by the anchor tenant OEMs/SMEs would be attracted to setup unit in proximity. This can be leveraged by BEZA and a higher tariff can be charged from the ancillary units to coup the upfront cost of the anchor tenant.

The tariff rate for remaining industrial plot has been benchmarked based on the private EZs in the country. Private economic zones such as Meghna Industrial Economic Zone (Narayanganj), Bay Economic Zone, Abdul Monem Economic Zone which are located in close proximity to Dhaka, charge tariffs ranging from USD 7 to USD 12 per sq. m per annum (~ BDT 95 per sq. ft. per annum) to USD 7 per sq. m per annum (~ BDT 55 per sq. ft. per annum). The average annual lease tariff for industrial land in the private EZ is USD 9.5 per sq. m.

The private EZs which are considered as benchmark are located in close proximity of Dhaka which is countries largest urban agglomeration and consumption centre. Proposed EZ is located in close proximity of Dhaka in the same region where private EZs are located. The proposed EZ is located in the same region and well connected through road and IWT to major consumption centres such as Dhaka and Chittagong. Hence, the equivalent land tariffs have been assumed considering the fact that comparable EZs and proposed EZ are located in same region and have similar locational attributes.

The proposed EZ is expected to become operational in 2024, the above land tariffs are expected to increase. In order to consider the effect of the same, an escalation of 10% for a block of 3 year. Tariff for industrial land has been assumed as **lease rental of BDT 90 per sq. ft.** per annum and upfront fee of **BDT 1800 per sq. ft.** for remaining industrial land other than offered to anchor tenant for evaluating project returns.

The flowing table elucidate the returns accrued in case BEZA adopts queen bee strategy to BEZA as per mentioned options in previous section for the Base case of land uptake.

Table 144: Project returns in queen bee strategy Base case – Queen Bee Strategy

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[251] | NPV FCFE (in BDT million) | NPV FCFF (in BDT million) |
|---|---|---|---|---|---|---|
| **Option 1: offsite and onsite infrastructure to be developed by BEZA** | 8.97% | 12.24% | 1.44 | 0.93 | 203.6 | -2170.9 |
| **Option 2: offsite and onsite infrastructure to be financed by multilaterals** | 9.83% | 14.53% | 1.79 | 1.33 | 1887.8 | 8866.5 |
| **Option 3: offsite infrastructure to be developed through nodal agencies** | 9.37% | 13.15% | 1.54 | 0.99 | 899.5 | -1183.9 |
| **Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals** | 10.25% | 15.50% | 1.90 | 1.41 | 2459.8 | 9808.8 |

*Source: Financial Model;*

**It has been observed that if BEZA adopts the queen bee strategy it improves the project returns across all options. Analysis of project returns shows, project appears to be financially feasible in all option 2 and option 4 if BEZA adopts the queen bee strategy (as project fetch higher return than WACC and NPV for the project is positive).The project fetch maximum return of 10.25% in case of option 4 when offsite infrastructure is developed by nodal agency and onsite is being developed through concessional borrowing.**

**However, this simulation requires BEZA to be able to attract anchor tenants to the proposed EZ.**

## 13.6. Assessment of Project Returns for the PPP Developer

### 13.6.1. Approach-1: Conventional PPP

Conventionally in case of PPP transactions, the regulatory authorities generally follow the competitive bidding procedure which judges' bidders based on their technical know-hows and certain commercial strengths. To shortlist the most capable or financially stable bidders, certain bid parameters (or modes of pay-outs) are considered. These pay-outs are devised to recover the costs borne by the authorities to facilitate the project. Similar approach has been prevalent in case of both Mirsarai Phase I and Mongla economic zone development projects, which were structured on the PPP route. For BEZA to recover its cost related to land acquisition and off-site infrastructure development, the following pay-out scenarios (or a combination of them) was devised:

- Upfront payment (capped at BDT 600 million taking benchmark of previous PPP transactions of BEZA)
- Annual Land lease
- Gross revenue share
- Equity Stake by BEZA in the SPV (and subsequent dividend pay-out)

Therefore, in order to determine the best mode of pay-out amongst the above-mentioned scenarios, all the pay-out scenarios and their necessary combinations have been evaluated to understand which one or which

[251] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

combination of these helps BEZA in recovering its cost outlay for the project. This is estimated by the ratio of the NPV of BEZA's income from the PPP developers (subject to the above-mentioned scenarios) to the NPV of its cost outlay throughout the tenure of the project. The combination of the above-mentioned modes pertaining to which the NPV of cost equals that of income is deemed best for BEZA to go forward with.

As per the simulations[252], it was evident that **combinations corresponding to upfront payment, annual land lease and revenue share present the most viable option for BEZA** in terms of determining the project structuring. Thus, combination of **upfront payment (BDT 600 million), together with an annual land lease (BDT 10 per sq. ft. per annum) and a revenue share to BEZA (11.00%)** emerges as the most suitable option for BEZA in case it embarks on the conventional approach. However, this simulation is hypothetical in nature based on BEZA's prerogative to recover its cost outlay with respect to the project and moreover, the determined values project an ideological viewpoint on the magnitude of the pay-outs (which could be altered in different combinations to suffice BEZA's objective) that could be charged by BEZA.

Following table indicates the various financial ratios when the conventional approach is adopted.

Table 145: Project returns in the Base case for the PPP developer- Conventional Approach[253]

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[254] | NPV FCFE (in BDT million) | NPV FCFF (in BDT million) |
|---|---|---|---|---|---|---|
| **Conventional approach** | 7.44% | 7.96% | 0.44 | 1.25 | -5715.6 | -7546.0 |

*Source: Financial Model; #BCR and NPV values with 10% and 15% cost of equity is furnished in annexure*

The project return reduces to 7.00% in case mark-up on utility is not charged, which shows that mark-up charge on utility have a marginal impact on project return in case of conventional approach.

**It is evident that this project generates unattractive returns for a PPP developer when the PPP developer is making pay-outs to BEZA.**

## *13.6.2. Approach-2: Assistance from BEZA*

Ultimate objective of BEZA and GoB behind developing this EZ project is to promote employment and to uplift the socio-economic status of the region surrounding this project. Although the conventional approach involves certain pay-outs from the PPP developer to BEZA, above discussions entail that the same would lower the financial returns of the PPP developer.

Traditionally, in case of PPP projects, the developer is liable to make certain pay-outs to the regulatory authority (in this case BEZA) for it recover its cost lay-out. However, globally there are precedencies of projects which have been developed through the PPP route without involvement of any pay-outs to the authorities regulating them. Since, the ultimate objective of BEZA through this project is overall socio-economic upliftment of the region through employment generation, thus, to make the proposition of developing the proposed EZ attractive, BEZA may consider foregoing pay-outs for the private developer. Similar examples have been adopted in the past in developed economies to promote private sector participation in industrial projects. One such successful case in point is the Panama Pacifico SEZ project in the Republic of Panama. A case study pertaining to the same has been furnished in the Annexure of this report. Although, Bangladesh does not have similar precedencies in case of PPP transactions, however, globally successful PPP projects have adopted PPP project structuring route sans the pay-out criteria as demonstrated in the case study mentioned above.

[252] *Results of the simulation with different combinations have been furnished in Annexure 28*
[253] *Project returns across Conservative and Aggressive scenarios are furnished in Annexure 30*
[254] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

Globally in PPP projects, Government/ authority considers certain grants and fiscal stimuli to support the private sector so that the project is financially feasible as well as attains the ultimate objectives of employment generation and socio-economic development for the community.

To promote private sector inclusion and thus create more efficiency and dynamism in developing similar industrial projects, BEZA and GoB may consider certain fiscal stimuli to the PPP developer so that the projects yields attractive financial returns. The same can be formulated through any (or combination of) the following approaches-

- Waive off the pay-outs to BEZA
- Any nature of grant through VGF/ annuity

In order to further improve the project profitability under such circumstances, mechanisms such (i) Funding the project through an equal combination of Commercial and Concessional Loan, (ii) Modification in Bid parameters with BEZA foregoing full recovery of its cost layout, and (iii) infusion of financial stimuli in the form of Viability Gap Funding or Annuity or a combination of both was explored. Analysis demonstrates that none of these mechanisms succeed in improving the profitability of the project above desired levels (i.e. >13%-14%) in terms of the returns it offers. Alternatively, even a combination of VGF and Annuity to the tune of 40% of the project cost fails to improve the project returns to a viable extent. Thus, it can be concluded that the project does not renders PPP-ability for BEZA even when it follows the unconventional approach or foregoes full recovery of its cost associated with the project.

Table 146: Project returns in the Base case for the PPP developer- Assistance from BEZA Approach[255]

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[256] | NPV FCFE (in BDT million) | NPV FCFF (in BDT million) |
|---|---|---|---|---|---|---|
| **Without Pay-out to BEZA approach** | 9.92% | 12.08% | 0.77 | 1.41 | 81.1 | -1469.4 |

*Source: Financial Model; #BCR and NPV values with 10% and 15% cost of equity is furnished in annexure*

The project return reduces to **9.41%** in case mark-up on utility is not charged, which shows that mark-up charge on utility have a marginal role in making the project return attractive in case of unconventional approach.

**The project (which was financially not attractive in conventional approach) yields similar unattractive returns even when BEZA foregoes the pay-out criteria based upon the strategic importance of the project and to imbibe private sector efficiency into it.**

**Combination of VGF to the tune of 40% and Annuity as high as 40% of the O&M cost (for a period of 15 years from start of operations of the proposed EZ) improve the project return to 13.41%, which is in the range of bankable threshold of 13%-14%.**

**Evidently, it will not be prudent for BEZA to explore the PPP route in developing this project as BEZA needs to pay very high VGF to make project financially attractive for private investor.**

**Evidently, it will not be prudent for BEZA to explore the PPP route, as very high VGF needs to be paid in developing this project. It would be difficult for them to on-board PPP developers of domestic and international repute, even when it offers additional fiscal assistance (beyond foregoing pay-outs) in form of VGF/ annuity, assistance to obtain concessional borrowing options.**

[255] *Project returns across Conservative and Aggressive scenarios are furnished in Annexure 30*

[256] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

## 13.7. Conclusions and Recommendations

Financial modelling exercise highlights the entire gamut of cost and revenue assumptions taken in order to evaluate the financial feasibility for BEZA which would envisage development and operation of the proposed EZ. It is to be noted that this financial modelling exercise takes into consideration two cases viz. Case 1 - where BEZA is playing the role of a master developer for this project and Case 2 – where BEZA assigns a PPP developer to develop the project thus imbibing private sector efficiency into the project. The following key points elucidate on the findings of the financial modelling exercise.

- This project is financially unattractive in case of tariff plan 1, when BEZA plays the role of a master developer and subsequently incurs all pertinent cost of development.
- Tariff plan 2 improves the project financial returns across options substantially but the returns are still below the bankable threshold (i.e.< 13% to 14%) for all options other than option 6, where offsite and onsite infrastructure are being developed by the concerned nodal agencies.
- The project return further improves in case BEZA adopts the Queen Bee Strategy. The project fetches highest return (13.41%) is case of option 4 i.e. if BEZA decides to play the role of developer and the offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals.
- Project returns are not attractive for the PPP model even when BEZA decides to extend certain fiscal stimuli to the PPP developer in form of:
  - Waiver on the pay-outs
  - Any nature of grant through VGF/ annuity
- This project appears to be financially feasible if BEZA adopts the queen bee strategy (as project fetch higher return than WACC and NPV for the project is positive), and the offsite infrastructure are developed through nodal agencies and on-site infrastructure are financed by multilaterals. BEZA needs to attract the anchor tenant for this option to be successful.

# 14. Economic Modelling

## 14.1. Economic Impact Analysis

Economic modelling quantifies the economic benefits of a particular project to the government but does not quantify the impact on local population. The motive of this section is to scale the impact of the project on the economy of the micro market and regional population. The indirect impact of the project are more than direct visible impacts. Economic impact analysis framework analyzes the impact of the project on basic five capitals of community which are essential part of any social development.

### 14.1.1. Core features of the Economic Impact Analysis Framework (EIAF)

The EIAF will help to analyze the impact of project on the micro level, local population and the people who will lose or gain maximum from the proposed project. The framework will broadly analyze the impact of project on following aspects.

- Education, information, technologies, training and better nutrition, and health;
- Social environment;
- Natural resources;
- Basic infrastructure;
- Access to financial resources; and
- Policy and institutional environment that supports multiple livelihood strategies and promotes equitable access to competitive markets for all.

The application of the Economic Impact Analysis framework (EIAF) involves consideration of the following aspects:

- **Human Capital:** It represents the abilities, experience, work skills and the physical state of good health which, when combined, allow populations to engage with different strategies and fulfil their own objectives for their livelihoods.
- **Social Capital:** It refers to the social resources, which populations will rely on when seeking their objectives relating to livelihoods (in the present study this refers specifically to local social capital, this being networks, associations, local authorities, local officials and broader population receiving program assistance).
- **Natural Capital:** It is the term used to refer to the stocks of naturally occurring resources (soil, water, air, genetic resources, etc.) which can be used as inputs to create additional benefits, such as food chains, protection against soil or coastal erosion, and other natural resources which can support livelihoods.
- **Physical Capital:** This refers to the basic infrastructure and production inputs needed to support livelihoods.
- **Financial Capital:** This refers to the financial resources which population employ to achieve their objectives regarding livelihoods.

### 14.1.2. Core Concept of the Economic Impact Analysis Framework (EIAF)

The EIAF approach aims to focus on the development of the people which is equally important at higher levels (when we think about the achievement of objectives such as poverty reduction, economic reform or sustainable development) as it is at the micro or community level (where in many cases it is already well entrenched). At a practical level, this means that the approach:

- starts with an analysis of people's livelihoods and their economic conditions and how these conditions have been changing over time;
- focuses on the impact of different policy and institutional arrangements upon people/households and dimensions of poverty (rather than on resources or overall output);
- works to support people to achieve their livelihood goals

Development activity tends to focus either at the macro or micro level. The EIAF approach attempts to bridge this gap, emphasizing the importance of macro level policy and institutions to the livelihood and economic options of communities and individuals on micro level.

The first step is to propose a way to provide a qualitative evaluation, which can also act as a numerical quantifier, of each capital relevant to the formation of sustainable economic development. Typical ranges are between 0-5. an analysis of the proposed development will be judged on basis of following:

- Unsustainable: 0 <= capital < 1
- Limited sustainability: 1 <= capital < 2
- Sustainable: 2 <= capital < 3
- Progressively sustainable: 3 <= capital < 4
- Abundant: 4 <= capital <= 5

The framework considers different parameters under five capital to analyze the projects impact on the micro level. Theses parameters are decided based on the impact that project would have on regional population.

The following parameters have been analyzed under each capital which have impact on economic development of the region.

*Table 147: Impact indicators under each capital*

| Sl. No. | Human Capital | Physical Capital | Financial Capital | Natural Capital | Social Capital |
|---|---|---|---|---|---|
| 1 | Capacity Building in government institution | Infrastructure development | Increase in services for local development | Sustainable industrialization | Issues of Rehabilitation and resettlement |
| 2 | Training for project stakeholders | Improved productivity | Increase in value for regional produce | Introduction of sustainable industrial practices | Community participation |
| 3 | Capacity building for local residents | Investment in production infrastructure | Impact on minimum daily wages for unskilled labour | Environmental Sustainability | Promotion of the participation of different actors |
| 4 | Institutional intervention | Technology transfer | Indirect employment generation | Introduction of eco-friendly energy production | Positive impact on existing social webs |

*Source: PwC Analysis*

## 14.1.3. Assumptions

Following table summarizes the assumptions and their sources which have been taken into account for quantifying the impact of the proposed development.

*Table 148: Assumptions for Economic Impact Analysis*

| Attributes | Assumptions | Source |
|---|---|---|
| ***Human Capital*** | | |
| Literacy Rate | 73.9% | Bangladesh Bureau of Statistics |
| Unemployment Rate | 4.37% | Bangladesh Bureau of Statistics |
| Institutional Intervention | Very few as of now, Not organized | NA |
| ***Financial Capital*** | | |
| Per capita Income (on PPP basis $ /year) | 4,992 | IMF |
| Poverty Rate | 7.50% | World Bank |
| Score on Global food security index parameters | 53.2 | Food Security index by Economist Intelligence Unit |
| Indirect employment generation factor | 0.7 | Standard from developing countries |
| ***Physical Capital*** | | |
| Existing physical infrastructure | Basic infrastructure | Site Visit |
| Industrial Infrastructure | Basic infrastructure | Site Visit |
| Existing production technology | In process of modernization | Secondary Research |
| ***Natural Capital*** | | |
| Industrial practice | Manual or semi-mechanized | PwC Research |
| processing units | Very few | PwC Research |
| Industrialization in region | Moderate | PwC Research |
| Means of industrial energy | Mostly from non-renewable sources, 93% of the country's power producing thermal plants are gas-based | Energypedia |
| ***Social Capital*** | | |
| Rehabilitation | Resettlement is required for huge chunk of land parcel | Site visit |

*Source: PwC Analysis*

## 14.1.4. Results

All the impact parameters are rated based on the assumptions and the impact it would have on local economy.

*Table 149: Results of Economic Impact Analysis*

| Different form of capital in sustainable projects and there rating on scale of 5 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sl. No.** | **Impact Indicators** | **Human Capital** | **Physical Capital** | **Financial Capital** | **Natural Capital** | **Social Capital** | **Marking Rational** |
| 1. | Capacity Building in government institution | 3 | | | | | Existing expertise pertaining to industrial processing is moderate |
| 2. | Training for project stakeholders | 3 | | | | | Basic training for local administrative agency is required for implementation of project, it will have trickle down impact on local population |
| 3. | Capacity building for local residents | 3 | | | | | Knowledge related to industrial practices will trickle down from EZ industries to the locals |
| 4. | Institutional intervention | 4 | | | | | Institutional intervention is required for making project viable, and would have major effect on knowledge base of local population |
| 5. | Infrastructure development | | 4 | | | | As of now presence of physical infrastructure is not developed in immediate region, the proposed project demands development of other industrial infrastructure which will further boost economy in the region |
| 6. | Improved productivity | | 4 | | | | The proposed industrial facilities will boost the industrial productivity in the region |
| 7. | Investment in production infrastructure | | 5 | | | | To become more sustainable industrial processing units will tends towards investing more in local production infrastructure that in turn will help in local procurement of raw materials |
| 8. | Technology transfer | | 5 | | | | Bangladesh lags in technological advancement in industrial sector, the investment from outside country will help in technology transfer to country as well as in local region |
| 9. | Increase in services for local development | | | 5 | | | Once the EZ will start working in full fledge it will attract other services such as banking, security, local market etc. which will equally benefit the local population |
| 10. | Increase in value for regional produce | | | 5 | | | Industrialization in the region will boost the demand for other FMCG and other daily consumable goods, this will provide the market for regional produce, that will increase the value for regional produce in turn |

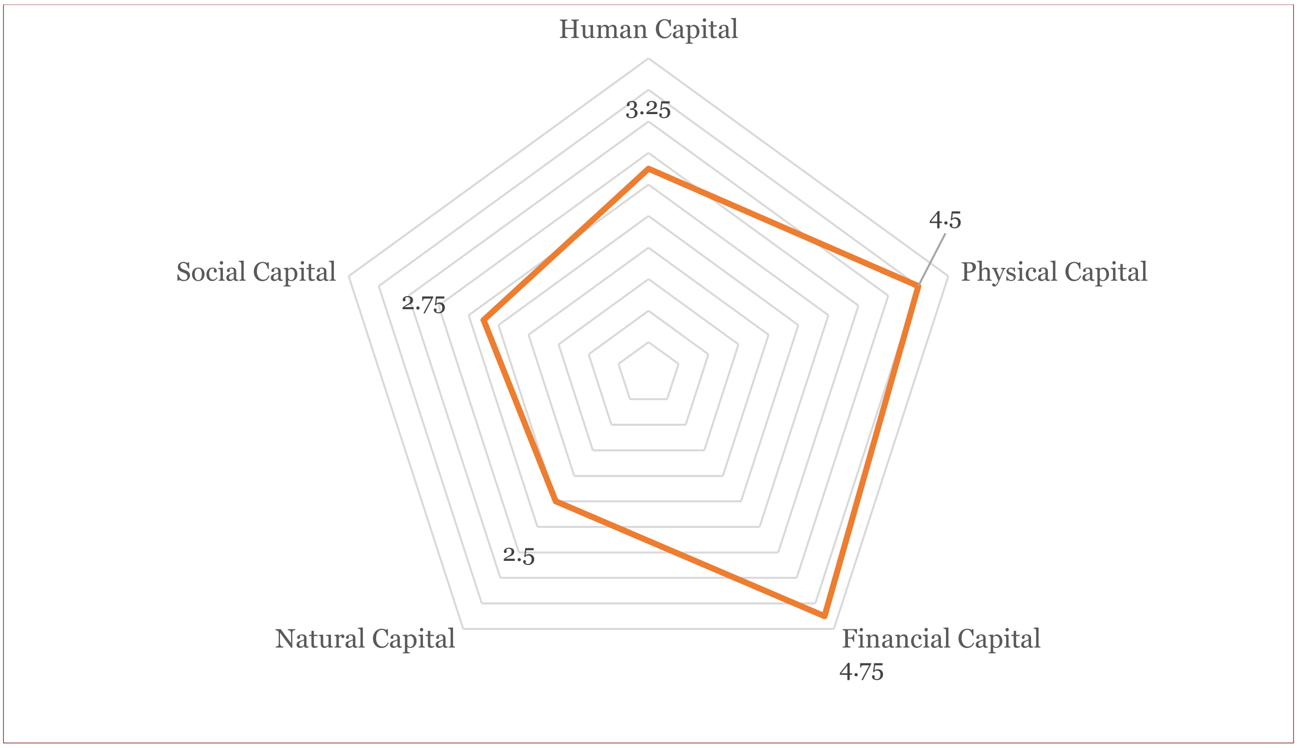
| Different form of capital in sustainable projects and there rating on scale of 5 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sl. No.** | **Impact Indicators** | **Human Capital** | **Physical Capital** | **Financial Capital** | **Natural Capital** | **Social Capital** | **Marking Rational** |
| 11. | Impact on minimum daily wages for unskilled labour | | | 4 | | | 60% of the total employment generated by the proposed EZ will for unskilled labour, development of this scale will boost the labour demand directly and indirectly in the region |
| 12. | Indirect employment generation | | | 5 | | | The proposed development will require various services for industries and employee engaged in these industries on local level which will generate indirect employment for locals. |
| 13. | Sustainable Industrialization | | | | 3 | | The proposed development will promote environmentally sustainable industrialization under guidance and instruction of various governing agencies |
| 14. | Introduction of sustainable industrial practices | | | | 4 | | The proposed development will attract a lot of investment and competition within firms will promote sustainable industrial practice |
| 15. | Environmental Sustainability | | | | 2 | | The proposed development will have negative impact on local environment, as it would disturb the regional ecosystem |
| 16. | Introduction of eco-friendly energy production | | | | 1 | | The proposed do not have any component to promote eco-friendly energy production |
| 17. | Issues of Rehabilitation and resettlement | | | | | 2 | Rehabilitation is required as the proposed EZ covers huge chunk of private land |
| 18. | Community participation | | | | | 3 | The proposed development will promote community participation by increasing demand for various services for smooth functioning of EZ |
| 19. | Promotion of the participation of different actors | | | | | 3 | The EZ will promote participation of different stakeholders from local community in limited scope |
| 20. | Positive impact on existing social webs | | | | | 3 | Development of this scale will help in strengthening social ties by providing platform for locals to interact with each other. |
| | **Average Impact on capital** | **3.25** | **4.5** | **4.75** | **2.5** | **2.75** | |

*Source: PwC Analysis*

## 14.1.5. Economic Impact pentagon

The pentagon summarizes the impact of proposed development on different types of capital; which have impact on micro level economy. It is the average of impact on each parameter under different capital. Value on each arm of pentagon shows the scale of impact on that particular capital of local population of region.

*Figure 96: Economic impact on micro market population*




*Source: PwC Analysis*

From the economic impact pentagon, it can be inferred that apart from natural and social capital, the project has progressively sustainable impact on the different capital of the micro market. However, impact on social issues can be mitigated by resolving rehabilitation issue in best interest of local population. It can be concluded that the envisaged EZ is sustainable and will help in uplifting the economic condition of the population in the area or residing in the project impact region.

The proposed EZ project will have positive economic impact on macro market as well as micro market and in turn help the economic upliftment of the country.

## 14.1.6. Conclusion and recommendations

The proposed EZ will have multi-dimensional impact on both micro and macro economy. Industrialization being one of the priorities of Bangladesh government, this envisaged project will help to move one step forward in that direction. The proposed EZ will ensure better job opportunity and services for the local population. The other indirect benefits include improved social services such as banking, medical and hospitality.

The benefits that are highlighted in this chapter will help the economic development of Bangladesh, especially the industrial sector. The proposed EZ at Nawabganj will attract industries, looking to set up their facilities within the park and hence will enable technology transfer to country. This will be beneficial for the industrial sector in the long run.

## 14.2. Purpose and Objective

The objective of economic modeling is to analysis and quantify the impact of the development of the proposed Economic Zone on the economy of Bangladesh. Financial analysis (or Financial IRR) estimates the return accruing to the project operating entity (EZ developer), whereas Economic Internal Rate of Return (EIRR) estimates the return on the investment to the national economy. Economic analysis is essential to develop a rationale for Government of Bangladesh to support the development of the proposed EZ and illustrate the measure of the accrued economic benefits.

## 14.3. Methodology of Economic Modelling

### 14.3.1. EIRR Framework

EIRR is a holistic approach which takes into consideration the following stakeholders (directly/ indirectly) associated with the project:

- The project financers (whose return was calculated as the financial internal rate of return),
- The employment (both direct and indirect employment during construction and during operation period) generated because of the project,
- The suppliers and customers of the project,
- Residents who are being affected by the implementation of the project and

The purpose of EIRR calculation is directly aligned with the objectives of the multilateral agencies i.e. alleviation of poverty, employment generation and overall development of the country.

EIRR replicate the wider spectrum of project on regional and countries economy. The model accounts the direct benefit in form of tax and VAT to the government as well as employment which will be generated due to the project.

The Economic Rate of Return (ERR) can loosely be defined as "The net benefits to all members of society, as a percentage of cost, taking into account externalities and other market imperfections." In a Harvard Business School Professor Benjamin Esty defined a two-step process for calculating an Economic Rate of Return. This method is described briefly thus:

*EIRR = Actual Revenues – Opportunity Costs*

*= Actual Revenues – Opportunity Costs + (Actual Costs – Actual Costs)*

*= (Actual Revenues – Actual Costs) + (Actual Costs – Opportunity Costs)*

*EIRR = Private Returns + Cost Gains, where*

*Private Returns = Actual Revenues – Actual Costs*

*Cost Gains = Actual Costs – Opportunity Costs*

This simple calculation assumes the exclusion of taxes and other social complexities.

The analysis presented above highlights the fact that there is a difference between Private and Social Returns. Though the difference between opportunity costs and actual costs is the only difference noted above, other reasons for this difference could include:

- Taxes, Tariffs and other forms of Government intervention which could reduce private returns;
- Transaction Costs; and
- Non-market effects such as the impact of the project on the environment.

In addition to highlighting the differences between the EIRR and the FIRR (or social returns and private returns), the analysis also shows, through the gains in costs, that investments in large-scale projects should result in economic development. Model works on principal of with project and without project scenario, so all tax subsidies have been excluded for computation of EIRR. The impact of inflation has been excluded while calculating the EIRR.

Economic analysis requires quantification of various costs and benefits converted to 'economic equivalent' terms. EIRR also requires identification of 'externalities' and valuation of inputs and outputs at their true economic prices, or the 'opportunity costs'.

Financial analysis only looks at the project from the perspective of the implementing agency (the private developer). Financial analysis is only concerned with line items that entail monetary outlays. Economic analysis on the other hand looks at cost and associated benefits to the economy. In economic analysis, a resource must be priced at its opportunity cost (its value in the best possible use), even if it is obtained free since use of the resource is a cost to the economy. Economic analysis measures both the positive and negative impact of the project.

The economic cost reflects the degree to which the consumption elsewhere in the ecosystem is sacrificed due to the diversion of the resources required for the project. Whereas, the economic benefit portrays the extent to which the project contributes to the increasing value of consumption available to the society.

Some important aspects to be considered while undertaking economic analysis are:

- Economic analysis is considered at constant prices in local currency terms. Thus, in case of accounting for economic costs and benefits, all costs and benefits must be measured in 'real' terms. In such analysis, all the costs and benefits are considered at the commencement year.
- For undertaking the economic analysis, financial costs are to be converted to their economic cost equivalents. By and large the financial components are capex (capital investment in land, construction cost etc.) and Opex (operational expenditure).
- Items like taxes, duties and subsidies included in the financial cost are excluded as these are market distortions.
- Debt service costs (interest during construction) are not included as economic cost in the analysis as the same doesn't require usage of resources.
- Cost owing to Environmental Management Plan has been included in the economic cost calculation.

## 14.3.2. Methodology Adopted

The economic analysis for proposed EZ was undertaken in three major steps:

*a)* *Step 1:* In this step, the total economic cost for the project was calculated. All the direct costs (both capital expenditure and operational expenditure) associated with the project development were enlisted and broken down into the three factors of production viz. capital (material and equipment), land and labour. The pertinent financial costs were converted to the economic costs using conversion factors as elucidated above.

*b)* *Step 2:* The financial benefits from the proposed EZ project was calculated and converted to economic terms to capture the economic benefits which (directly/indirectly) impact the economy of Bangladesh. In this step, the cumulative economic benefit accrued from this project was computed.

Economic benefits considered are:

1) Value added in export owing to the industrial activities within the economic zone.
2) Economic benefit (through gains for the exchequer) as a result of the industrial operations within the proposed EZ
3) Employment generation owing to the development of the proposed economic zone. Minimum wage rate prevalent in Bangladesh, SWRF, and SERF have been considered to arrive at the economic value of the total employment generated.
4) Tax paid by the developer is a gain (economic benefit) for the exchequer.

c) *Step 3:* Economic return for the project tenure was calculated by deducting the economic cost from the total economic benefit. IRR was calculated considering the base case.

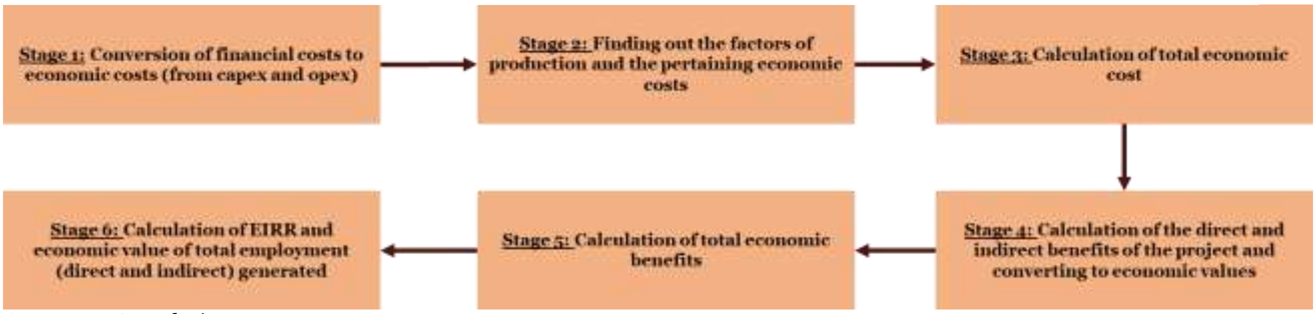
Economic modelling exercise has been undertaken for three scenarios as elucidated in the following-

- Aggressive scenario: Macro-economic conditions of Bangladesh and the region are improving; Potential infrastructure projects are commencing prior to CoD
- Base scenario: Macro-economic conditions of Bangladesh and the region are showing steady trend and behaving as expected; potential infrastructure projects are commencing as scheduled
- Conservative scenario: Macro-economic conditions of Bangladesh and the region are showing declining trend; potential infrastructure projects are delayed

Proceeds from the demand forecasting exercise have been taken into cognizance to undertake the economic modelling exercise for the above stated three scenarios. Industrial space uptake rates and number of industrial establishments have been considered to undertake this economic modelling.

The approach & methodology adopted for each of the three scenarios has been illustrated in the following diagram.

Figure 97: Framework for Economic IRR calculation




*Source: PwC Analysis*

## 14.4. Assumptions, Inputs and Variables

The Economic IRR for the project has been calculated considering economic costs and benefits generating out of the project over the project tenure. The assumptions adopted for computation of economic IRR are based on the assumptions as depicted in our financial analysis. Base case was used for calculating the EIRR for the project. In addition to the above, the following assumptions were considered for arriving at the EIRR:

- *Environmental costs:* Costs related to Environment have been also included in the model. Costs associated with technical support, development of green belt, solid and hazardous waste management, waste and wastewater, construction safety etc. have been included as part of capital expenditure. In the operational expenditure section, maintenance costs for heads like operation of CETP/ STP/ waste facilities, establishment & training and monitoring of performance indicators have been considered.

- *Capital Expenditure (Capex):* The capex incurred for various components (for both on-site and off-site infrastructure components) of the project is obtained from the financial model. This has further been segregated into three components:

  a) Material – 50% of total capex
  b) Equipment – 30% of total capex
  c) Labour – 20% of total capex

- *Operating Expenditure (Opex):* We have assumed that 100% Opex will generate on account of the materials and the consumables; 0% of Opex will generate on account of the equipment. The operating cost for personnel is calculated separately in the economic model.

- *Land lease expenses:* Land lease expense is not included in the economic analysis

- *Import of Equipment:* We have assumed that 75% of the equipment and machinery used for the project would be imported. This is based on the standard practice and market benchmark of similar industries in Bangladesh.

- Capex and Opex have been converted to economic equivalents/ market costs using the following assumptions:
  - *Shadow Exchange Rate Factor (SERF)* of 1.05 was considered. The basis is that BDT is overvalued by about 5%.[257]
    SERF is the ratio of economic price of foreign currency to its market price. Alternatively, it is the ratio of the shadow to the official exchange rate. For economic analysis using the domestic price numeraire, the SERF is applied to all outputs and inputs, including labour and land that have been valued at border price equivalent values, with project effects measured at domestic market price values left unadjusted.
  - *Shadow Wage Rate Factor (SWRF)* of 1.00 for skilled labour and 0.75 for unskilled labour was assumed.[258] Further it was considered that the project will have a mix of 75% skilled labour and 25% unskilled labour. Hence, SWRF of 0.9375 has been arrived.
    SWRF is the ratio of the shadow wage rate of a unit of a certain type of labour, measured in the appropriate numeraire, and the project wage for the same category of labour. Alternatively, the ratio of the economic and the SWRF can be used to convert the financial cost of labour into its economic cost.

These figures are in conformity with the information provided by Bangladesh Planning Commission and ADB economic analysis reports for Bangladesh. These were applied to tradable inputs and labour component to get domestic equivalents. It may be noted that since SERF is applied on the costs, factors such as the import duty is considered to be adjusted in the SERF and hence import duty has not been considered separately.

- VAT rate (for both capex and Opex) has been considered as 15% according to the prevailing rate for Bangladesh.
- Estimation of indirect and induced employment generation (due to generation of downstream industries) is based on Employment Multiplier Coefficient of 1.2. The coefficient was extracted from Background Paper for World Development Report 2013 "Structural Transformation and Employment Creation"[259]. The indirect employment generation coefficient for several developing countries (size and geography similar to Bangladesh) was considered to arrive at this figure.
- *Tax Treatment:* Since the model consider the scenario with project and without project, tax subsidies will be not treated as loss to the economy.
- It has been assumed that each of the industrial units will operate at 80% capacity utilization level and the plant efficiency level is 80%; export contribution of each of the industrial units is 25% of its Gross Value Added.

The guide for operating this economic model is placed in the annexure.

## 14.5. Results and Conclusions

Base case Economic Internal Rate of Return (EIRR) has been calculated as **31.57%**, which indicates that the project is providing attractive returns throughout the tenure of the project. Following table depicts the scenario analysis of the proposed EZ.

Table 150: Scenario Analysis of the Proposed EZ

| Scenario | EIRR |
|---|---|
| Base Scenario | 25.50% |
| Aggressive Scenario | 31.57% |
| Conservative Scenario | 37.22% |

*257 Additional Financing to the Third Primary Education Development Project RRP BAN 42122 by ADB (2015)*

*258 Similar assumption was taken for ADB-Khulna water supply project*

*259 Background Paper for World Development Report 2013 "Structural Transformation and Employment Creation" by Christian Kingombe and Dirk Willem te Velde, Overseas Development Institute*

Table above indicates that in conservative case, project generates **25.50%** economic return which is good in nature. Aggressive scenario indicates that economic return of the project is **37.22**%, which is highly attractive.

It appears from the above analysis that the proposed EZ generates good to highly attractive economic return in the context of Bangladesh's economy and growth targets.

- Microeconomic impact evaluated through the economic impact analysis exercise also depict the project's positive impact on the human development capitals.
- It appears from the above analysis that the proposed EZ generates highly attractive economic return in the context of Bangladesh's economy and growth targets and consequently the economic returns accrued are also commensurate with similar EZ projects based out of other Southeast Asian and global economies.
- Overall, it could be prudent to surmise that the proposed EZ Nawabganj has the potential to transform the economic landscape of its influence region.

# Implementation strategy

The proposed site of Economic Zone at Nawabganj is in proximity to Dhaka. The location of the economic zone is on mainland and in proximity to Dhaka would enable BEZA to command higher prices in future once the economic zones in the region gets saturated.

Although the economic zone has existing and upcoming Economic Zones in the vicinity of the proposed site the impact on the demand offtake is minimal this is highlighted in the demand offtake. The study team forecasts land offtake for proposed site at Nawabganj to begin in FY 2024 with offtake to be completed by FY 2036 in base case scenario.

Financial analysis has been carried under two scenarios – a) Proposed Economic Zone to be developed by BEZA and b) Proposed Economic Zone to be developed under PPP mode. Viability under both scenarios has been detailed below -

a) **Proposed Economic Zone to be developed by BEZA -** The financial analysis for the site shows that the project is financially feasible only when both offsite and onsite infrastructure is developed through assistance of the respective nodal agencies. Considering the site location BEZA can develop the proposed site without any fiscal support in line with development model followed by other private player economic zone then BEZA should charge lease rental of ~76 BDT/sq. ft/year to match project IRR with weighted average cost of capital (9.9%).[9] BEZA can adopt the Queen Bee strategy in the proposed economic zone due to the overall high demand in the region. Queen Bee strategy highlights the positive return (IRR greater than WACC) can be generated by BEZA if site is financed through multilateral agencies. The project however fetches good economic return when developed on the stipulated time.

b) **Proposed Economic Zone to be developed under PPP mode –** The project is not viable for development under PPP mode until viability gap funding is provided by BEZA. The study team advises BEZA against development of the site under PPP mode.

Based on above assessment the study team proposes that BEZA should place the development of the proposed EZ at Nawabganj under high priority. The viability for the zone would be based on the pricing strategy and offtake strategy adopted by BEZA as the demand exists.

[9] Base case demand offtake considered. Impact of high lease rental not considered on demand.

# 15. Annexures

## 15.1. Annexure 1 – Team of Experts and Project Timeframe

Our team of experts are duly supported by a large team of non-key experts (i.e. support staffs) spread across different locations in India and in Bangladesh. Some of the non-key experts are placed on-ground to ensure smooth project coordination.

*Figure 98: Team of Experts*


*Source: Contract agreement executed between PwC & BEZA dated 26th June 2019*

In conformance to this engagement's Terms of Reference, following deliverables will be submitted to BEZA as per the schedule laid out in the below table –

*Table 151: Project timeframe*

| | | | |
|---|---|---|---|
| D1 | Inception report | 31st July 2019 | Submitted |
| | Presentation on Inception Report findings | 7th November 2019 | Completed |
| D2 | Draft interim report | 04th February 2020 | Submitted |
| | Presentation workshop to discuss findings of the interim report | 03rd and 04th March 2020 | Completed |
| | Final interim report | 24th May 2020 | |

| | | | |
|---|---|---|---|
| D3 | Draft final pre-feasibility report | 23rd February 2021 | Submitted |
| | Presentation workshop to discuss findings of the draft final report | 26th to 28th January 2021 and 24th February 2021 | Completed |
| D4 | Final pre-feasibility report | 24th February 2021 | Submitted |
| | Deliverable submitted | | |
| | Deliverable to be submitted | | |

*Source: Contract agreement executed between PwC & BEZA dated 26th June 2019*

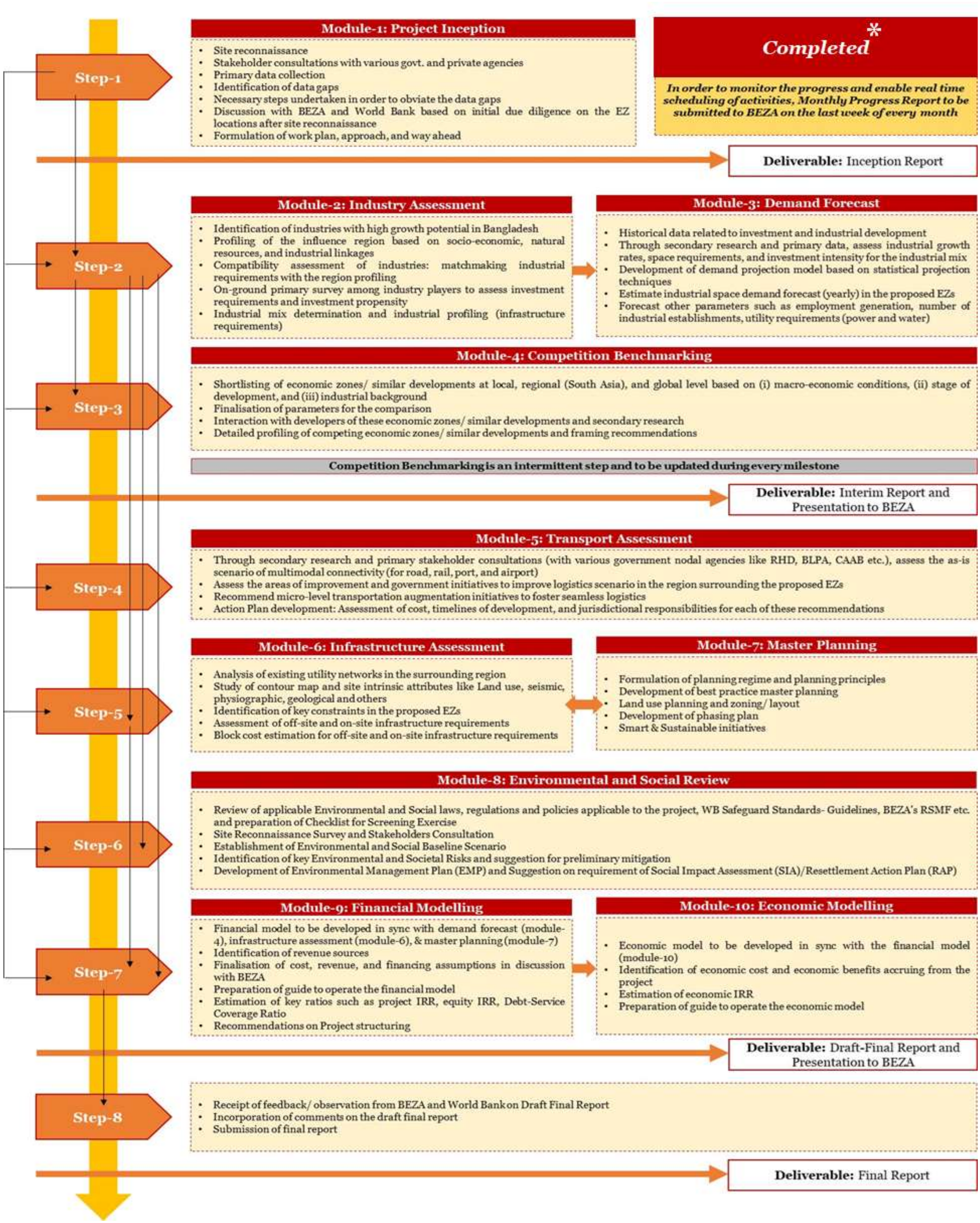
**Legend:**

D1: Inception Report
D2: Draft Interim Report, Presentation on Key Findings & Final Interim Report
D3: Draft Final Pre-Feasibility Study, Presentation on Key Findings
D4: Final Pre-Feasibility Study

The activities covered under this assignment will be scheduled in a manner so that all tasks to be executed are in sync with each other, thus ensuring an organized and sequential flow of activities. A detailed timeframe has been previously submitted under Section 4.2 of the Inception Report dated, 31st July 2019.

Figure in the next page captures a concise outline of the engagement as per the Terms of Reference –

*Figure 99: Outline of the engagement*



## 15.2. Annexure 2 – Site Photographs

The photographs taken during the site visits have been shown below.

Agriculture land within the proposed site

Approach road connecting the proposed EZ

Power plant adjacent to the site

R820 connecting the site with Dhaka-Mawa highway (N4)

BSCIC Industrial estate near to the proposed site

Nearest sub-station of 20 MV capacity at Tikorpur

Meetings with the Govt Officials at Nawabganj UNO office


Discussion with farmers' group


Discussion with Farmers' and elites


Discussion with youth group

Consultation at Union Land office

Dry canal near proposed site


**Villagers fishing from the canal within proposed site area**


**View of Proposed Project Area**

# 15.3. Annexure 3 - Adamjee EPZ

The Adamjee Export Processing Zone (AEPZ) is located in Siddhirganj in Narayanganj district of Dhaka division in central part of Bangladesh. Adamjee EPZ is a custom bonded enclave is well connected with decent communication network to roads, air, waterways and railways. Bangladesh's first internal container terminal Pangaon, is only 22 km distant from Adamjee EPZ.

Figure 100: Adamjee EPZ


*Source: Google Images*

A detailed profiling of the park has been provided below –

Table 152: Adamjee EPZ

| Factors | Adamjee EPZ |
|---|---|
| **Site** | |
| Year of establishment/Start year of operations | It was established in 2006 |
| Land Size (acres) | 245.12 acres |
| Number of Plots/Units/Firms | Currently there are 229 industrial units[260] |
| No. of Development Phases | The developments have been carried out over a period of time but in a single phase |
| Land Lease (+length) or Sale (Taka/USD) | Industrial land lease length is for 30 years which is renewable and land lease is USD 2.20 /sq.m./year (BDT 187/sq.m./year) [261] |
| Standard-Factory Building (SFB) (Y/N) | There are Standard-Factory Buildings provided as a part of the product offering. |
| Lease Rate for SFB (Taka/USD) | The tariff for SFB is USD 2.75/sq.m./month |
| **Infrastructure/Utilities** | |
| Onsite Independent Power (Y/N and Type) | There is own sub-station available for the special export processing zone |
| Cost of Electricity (Taka/USD) | The cost of electricity is approx. USD 0.11 / Kwh (BDT 8.97/Kwh) for industries[262] |

[260] *Source: https://bepza.gov.bd/pages/epzdetails/adamjee-export-processing-zone-2/profile-of-zone*
[261] *Source: https://bepza.gov.bd/pages/epzdetails/adamjee-export-processing-zone-2/profile-of-zone*
[262] *Source: https://bepza.gov.bd/pages/epzdetails/adamjee-export-processing-zone-2/utility-services-2*

| Factors | Adamjee EPZ |
|---|---|
| Cost of Water (Taka/USD) | The cost of industrial water is approx. USD 0.42 /CM (BDT 35.78/CM)[263] |
| Onsite Wastewater Treatment Plant (Y/N) | There is onsite water treatment plant since industries within the zone |
| Onsite Gas Supply (Y/N and Type) | Gas is supplied by Titas Gas Transmission & Distribution Company Ltd. |
| Cost of Gas (Taka/USD) | The tariff of gas is approx. USD 0.10 /CM (BDT 8.97/CM)[264] |
| **Cost of Labor (Taka/USD)** | |
| Management | The basic salary for a management professional in Bangladesh is approx. USD 917.65 / month (BDT 78,000/month)[265] |
| Technicians | The basic salary for a technician in Bangladesh approx. USD 341.17 / month (BDT 29,000/month)[266] |
| Skilled | The basic salary for a skilled labour in Bangladesh approx. USD 258.82 / month (BDT 22,000/month)[267] |
| Unskilled | The basic salary for an unskilled labour in Bangladesh is approx. USD 97.05 / month (BDT 8,250/month)[268] |
| **Sectors** | |
| Type of Sectors within the Zone | Garments, Garment Accessories, Knitting & Other Textile Products, Footwear & Leather Goods, Chemical & Fertilizer, Metal Products, Jewelry |
| **Special Regime** | |
| Yes/No | **Yes**, Adamjee EPZ is the special regime |
| **Fiscal Incentives** | |
| Yes/No | Fiscal incentives are available at the EPZ:<br><br>1. Five (5) years tax holiday for Adamjee EPZ; first 02 years 100% exemption, next 02 years 50% exemption and last 01 year (5th year) 25% exemption<br>2. Duty free import of construction materials<br>3. Duty free import of machineries, office equipment & spare parts etc.<br>4. Duty free import and export of raw materials and finished goods<br>5. Relief from double taxation<br>6. Exemption from dividend tax<br>7. GSP facility available<br>8. Accelerated depreciation on machinery or plant allowed<br>9. Remittance of royalty, technical and consultancy fees allowed<br>10. Duty & quota free access to EU, Canada, Norway, Australia etc |
| **Non-Fiscal Incentives** | |
| Yes/No | Non-Fiscal incentives are available at the EPZ:<br><br>1. 100% foreign ownership permissible<br>2. Enjoy MFN (most favored nation) status<br>3. No ceiling on foreign and local investment<br>4. Full repatriation of capital & dividend<br>5. Foreign Currency loan from abroad under direct automatic route<br>6. Non-resident Foreign Currency Deposit (NFCD) Account permitted<br>7. Operation of FC account by 'B' and 'C' type Industries allowed. |
| One Stop Shop Within the Zone | One stop shop is available within the zone. |
| **Support Amenities** | |
| Onsite Administration office | There is onsite administration office available within the zone |
| Onsite Convenience Retail | There is onsite convenience retail available within the zone |

[263] *Source: https://bepza.gov.bd/pages/epzdetails/adamjee-export-processing-zone-2/utility-services-2*
[264] *Source: https://bepza.gov.bd/pages/epzdetails/adamjee-export-processing-zone-2/utility-services-2*
[265] *Source: Pay Scale 2015, Civil*
[266] *Source: Pay Scale 2015, Civil*
[267] *Source: Pay Scale 2015, Civil*
[268] *Source: Pay Scale 2015, Civil*

| Factors | Adamjee EPZ |
| --- | --- |
| Onsite Housing | There is onsite housing available within the zone |
| Onsite Schools | There are no onsite schools available inside the zone |
| Onsite Community Facilities | There are onsite community facilities available within the zone. |
| Onsite Security | There is onsite security available at the zone. |
| **Quality of Life** | |
| International Housing (Within 45 Km) | Quality housing facilities are available in the close proximity in Narayanganj and Dhaka |
| International Hospital/Clinic (Within 45 km) | Quality healthcare facilities like SAJIDA Hospital, Labaid Multi Specialty Hospital, LABAID Diagnostic Narayangj etc. are available in proximity to the EPZ in Narayanganj district |
| International Schools (Within 45 Km) | Various upscale schools like Adarsha School Narayanganj, Narayanganj Ideal School Narayanganj Technical School & College etc. are present in close proximity to the EPZ in Narayanganj district and multiple upscale schools, colleges and universities are in Dhaka district |

*Source: PwC Research*

# 15.4. Annexure 4 – Country Level Assessment of Industrial Sectors

### *Assessment of Export and Import Basket of the Country*

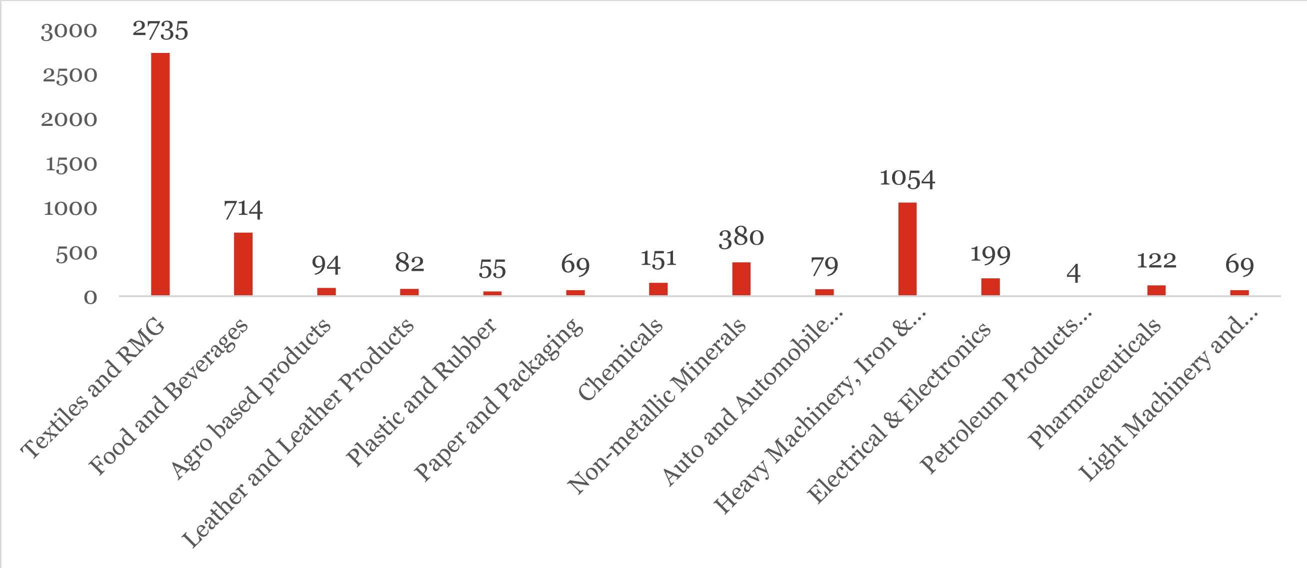
Analysis of the export basket of the country reveals that more than 90% of the exports are from the Textile & RMG oriented products. Its top exports are from RMG, leather, wooden products, fish products and automobile accessories. The following figure depicts the top 75% of items, being exported and imported, that were shortlisted on the basis of average trade value over the past 5 years.

*Figure 101: Top Export and Import basket of Bangladesh*


*Source: ITC Trademap*

### *Assessment of Gross Output of Manufacturing Sector*

*Figure 102: Gross output across various sectors in Bangladesh (Estimated 2019, In BDT Billion)*




*#Estimated for 2019*
*Source: Bangladesh Bureau of Statistics, Survey of Manufacturing Industries 2012*

In terms of the specific sectors, it needs to be noted that Textiles and RMG , Food & Beverage, Heavy Machinery, Iron & Steel, Non-metallic mineral products, Electrical & Electronics, Chemicals, Pharmaceuticals are dominant in country. Following figure enlists the items that constitute the top 80% of the total output produced in Bangladesh.

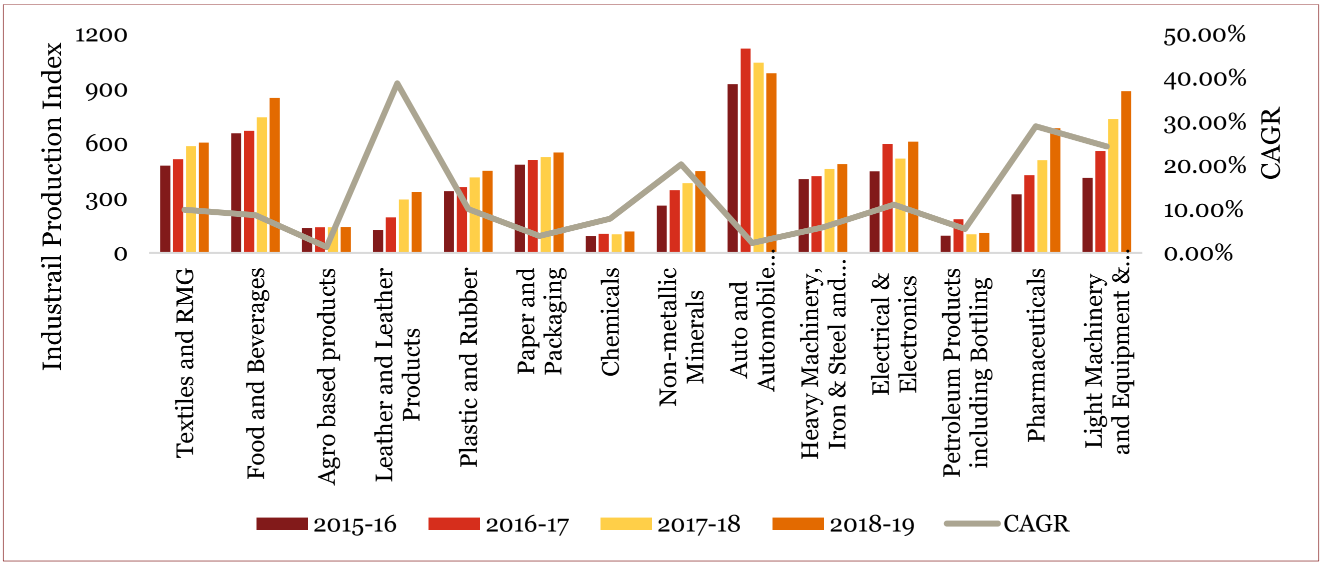
*Figure 103: Top 80% of items produced in Bangladesh in terms of gross output*


*Source: ITC Trade Map*

## *Index of Industrial Production Analysis*

Industrial production index measures changes in industrial production and is widely used for the observation and analysis of the current economic activity. The graph below represents the Industrial Production Index within Bangladesh over the past 4 years.

*Figure 104: Industrial Production Index of industrial sectors in Bangladesh*




*Source: SMI*

Above graph depicts that a positive growth in production is observed in Textiles and RMG, Food & Beverages, Leather and Leather products, Pharmaceuticals, Electrical and Electronics, Non-metallic minerals, Chemicals, Light Machinery, Equipment and Furniture over the past 4 years.

## *Priority Sectors Identified by the Government of Bangladesh*

Government of Bangladesh has identified priority sectors to make its economy resilient to possible sector specific disruptions due to automation, policy changes and increasingly competitive global scenarios.

The following figure illustrates the priority sectors identified by the Government of Bangladesh.

*Figure 105: Priority Sectors by Government of Bangladesh*


*Source: Bangladesh Investment Development Authority*

## 15.5. Annexure 5 – Import Trend of Bangladesh

Table 153: Top 75% Imports of Bangladesh (Figures in USD Million)

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof | 4,792.33 | 5,245.07 | 5,953.71 | 6,824.21 | 5,800.91 |
| Cotton | 7,150.50 | 5,413.81 | 6,253.97 | 6,894.38 | 5,422.53 |
| Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral ... | 5,219.95 | 2,095.46 | 3,105.25 | 5,129.26 | 4,380.85 |
| Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ... | 2,450.61 | 3,156.28 | 3,660.48 | 4,103.02 | 3,242.16 |
| Iron and steel | 2,407.67 | 2,074.97 | 2,120.63 | 2,775.30 | 2,909.47 |
| Plastics and articles thereof | 1,795.19 | 1,923.41 | 2,160.39 | 2,457.64 | 2,208.76 |
| Vehicles other than railway or tramway rolling stock, and parts and accessories thereof | 1,143.51 | 1,676.47 | 1,976.15 | 2,077.69 | 1,747.36 |
| Man-made staple fibers | 1,623.93 | 1,509.96 | 1,702.43 | 1,955.58 | 1,617.90 |
| Man-made filaments; strip and the like of man-made textile materials | 1,102.78 | 956.64 | 1,071.64 | 1,391.35 | 1,415.96 |
| Knitted or crocheted fabrics | 590.15 | 1,013.30 | 1,197.23 | 1,383.06 | 1,353.37 |
| Cereals | 1,521.25 | 1,147.37 | 2,248.16 | 1,727.74 | 1,239.31 |
| Articles of iron or steel | 444.89 | 594.06 | 814.38 | 1,062.22 | 1,082.47 |
| Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ... | 592.23 | 386.41 | 531.16 | 608.82 | 881.37 |
| Organic chemicals | 656.77 | 596.30 | 734.91 | 813.40 | 835.14 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Aircraft, spacecraft, and parts thereof | 201.34 | 59.79 | 150.33 | 454.95 | 792.36 |
| Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other coloring ... | 587.91 | 630.57 | 672.72 | 767.72 | 752.98 |
| Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical ... | 400.35 | 577.74 | 642.54 | 680.57 | 700.44 |
| Edible vegetables and certain roots and tubers | 704.76 | 628.73 | 554.85 | 510.02 | 684.07 |
| Sugars and sugar confectionery | 837.74 | 696.75 | 1,144.73 | 585.74 | 666.22 |
| Miscellaneous chemical products | 505.04 | 546.39 | 629.25 | 716.08 | 650.06 |
| Paper and paperboard; articles of paper pulp, of paper or of paperboard | 581.33 | 667.13 | 681.39 | 689.27 | 599.03 |
| Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ... | 2,769.62 | 1,461.94 | 1,652.26 | 1,742.63 | 585.54 |
| Salt; Sulphur; earths and stone; plastering materials, lime and cement | 991.99 | 674.74 | 783.80 | 994.90 | 556.41 |
| Ships, boats and floating structures | 994.16 | 113.42 | 234.71 | 241.95 | 551.66 |
| Fertilizers | 1,255.60 | 671.00 | 715.47 | 832.05 | 520.09 |
| Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad ... | 7.92 | 497.08 | 629.93 | 979.17 | 501.92 |
| Residues and waste from the food industries; prepared animal fodder | 490.72 | 419.12 | 524.97 | 422.61 | 495.39 |
| Special woven fabrics; tufted textile fabrics; | 162.76 | 390.81 | 391.12 | 464.10 | 482.81 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| lace; tapestries; trimmings; embroidery | | | | | |
| Edible fruit and nuts; peel of citrus fruit or melons | 273.63 | 316.23 | 354.11 | 370.66 | 425.29 |
| Miscellaneous manufactured articles | 257.80 | 436.70 | 435.18 | 466.29 | 422.39 |
| Aluminum and articles thereof | 262.47 | 308.86 | 388.68 | 443.96 | 398.94 |
| Commodities not elsewhere specified | 0.54 | 595.40 | 446.14 | 341.06 | 398.42 |
| Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ... | 375.39 | 260.81 | 294.15 | 478.95 | 391.53 |
| Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere ... | 290.12 | 248.06 | 342.61 | 374.73 | 374.27 |
| Impregnated, coated, covered or laminated textile fabrics; textile articles of a kind suitable ... | 138.18 | 309.05 | 311.82 | 368.34 | 360.60 |
| Rubber and articles thereof | 298.67 | 294.25 | 300.93 | 310.32 | 309.22 |
| Coffee, tea, maté and spices | 229.66 | 165.88 | 185.73 | 215.74 | 270.07 |
| Pharmaceutical products | 186.78 | 230.05 | 245.07 | 228.66 | 267.49 |
| Other vegetable textile fibers; paper yarn and woven fabrics of paper yarn | 42.14 | 151.98 | 155.99 | 225.66 | 258.17 |
| Copper and articles thereof | 210.42 | 177.55 | 253.98 | 210.44 | 238.23 |
| Footwear, gaiters and the like; parts of such articles | 153.11 | 193.27 | 227.95 | 217.66 | 231.29 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Miscellaneous articles of base metal | 58.96 | 204.72 | 217.61 | 206.04 | 202.36 |
| Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ... | 74.23 | 237.80 | 229.50 | 238.41 | 202.17 |
| Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ... | 160.87 | 174.77 | 193.72 | 196.27 | 199.38 |
| Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof | 45.89 | 114.07 | 116.91 | 159.82 | 177.61 |
| Essential oils and resinoids; perfumery, cosmetic or toilet preparations | 73.75 | 137.94 | 170.80 | 184.54 | 169.37 |
| Articles of apparel and clothing accessories, not knitted or crocheted | 887.05 | 240.18 | 186.70 | 172.51 | 158.44 |
| Zinc and articles thereof | 158.64 | 163.57 | 179.75 | 164.47 | 158.07 |
| Glass and glassware | 72.50 | 119.27 | 122.93 | 150.44 | 145.15 |
| Raw hides and skins (other than fur skins) and leather | 169.20 | 162.94 | 179.04 | 175.87 | 123.96 |
| Preparations of cereals, flour, starch or milk; pastrycooks' products | 70.82 | 84.70 | 94.25 | 112.03 | 122.35 |
| Albuminoidal substances; modified starches; glues; enzymes | 75.81 | 94.49 | 106.70 | 108.36 | 105.26 |
| Articles of stone, plaster, cement, asbestos, mica or similar materials | 35.70 | 63.07 | 61.50 | 77.33 | 105.12 |
| Pulp of wood or of other fibrous cellulosic material; recovered (waste and scrap) paper or ... | 165.61 | 257.40 | 205.52 | 283.57 | 104.17 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Ceramic products | 67.75 | 146.71 | 116.66 | 104.72 | 101.66 |
| Miscellaneous edible preparations | 74.28 | 88.93 | 83.37 | 95.08 | 97.64 |
| Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal | 54.53 | 78.60 | 87.68 | 88.86 | 88.85 |
| Toys, games and sports requisites; parts and accessories thereof | 23.56 | 64.63 | 81.59 | 82.84 | 83.85 |
| Printed books, newspapers, pictures and other products of the printing industry; manuscripts, ... | 297.23 | 54.15 | 87.78 | 101.50 | 82.81 |
| Wool, fine or coarse animal hair; horsehair yarn and woven fabric | 43.29 | 62.24 | 60.98 | 71.32 | 80.17 |
| Other made-up textile articles; sets; worn clothing and worn textile articles; rags | 34.16 | 59.87 | 64.88 | 67.68 | 71.24 |
| Fish and crustaceans, mollusks and other aquatic invertebrates | 55.28 | 42.74 | 46.49 | 46.57 | 68.90 |
| Ores, slag and ash | 72.46 | 30.36 | 28.86 | 61.46 | 59.60 |
| Products of animal origin, not elsewhere specified or included | 59.81 | 32.30 | 28.04 | 40.49 | 55.86 |
| Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles ... | 28.67 | 104.30 | 83.60 | 65.37 | 51.10 |
| Arms and ammunition; parts and accessories thereof | 130.36 | 7.44 | 25.41 | 21.38 | 46.32 |
| Photographic or cinematographic goods | 29.45 | 40.29 | 39.51 | 39.63 | 45.11 |
| Wood and articles of wood; wood charcoal | 113.80 | 61.44 | 70.21 | 51.84 | 45.11 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Lead and articles thereof | 55.49 | 42.17 | 78.58 | 67.47 | 42.08 |
| Articles of apparel and clothing accessories, knitted or crocheted | 22.90 | 91.83 | 73.82 | 57.78 | 41.12 |
| Prepared feathers and down and articles made of feathers or of down; artificial flowers; articles ... | 4.06 | 42.07 | 49.12 | 44.59 | 38.77 |
| Umbrellas, sun umbrellas, walking sticks, seat-sticks, whips, riding-crops and parts thereof | 4.88 | 39.82 | 32.20 | 24.28 | 27.99 |
| Railway or tramway locomotives, rolling stock and parts thereof; railway or tramway track fixtures ... | 6.59 | 117.93 | 23.35 | 10.56 | 26.59 |

*Source: ITC Trade Database*

## 15.6. Annexure 6 – Export Trend of Bangladesh

Table 154: Top Exports 75% from Bangladesh (Figures in USD million)

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Articles of apparel and clothing accessories, knitted or crocheted | 12,767.10 | 16,668.99 | 17,791.37 | 20,115.53 | 20,343.41 |
| Articles of apparel and clothing accessories, not knitted or crocheted | 13,765.23 | 16,559.78 | 16,832.96 | 18,834.03 | 19,350.13 |
| Footwear, gaiters and the like; parts of such articles | 696.82 | 894.90 | 949.66 | 1,017.42 | 1,110.00 |
| Other made-up textile articles; sets; worn clothing and worn textile articles; rags | 818.60 | 990.73 | 1,131.16 | 1,094.95 | 1,004.95 |
| Other vegetable textile fibers; paper yarn and woven fabrics of paper yarn | 681.19 | 788.68 | 853.45 | 720.81 | 603.28 |
| Fish and crustaceans, mollusks and other aquatic invertebrates | 445.01 | 623.07 | 636.25 | 545.33 | 532.93 |
| Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles … | 293.25 | 253.73 | 277.00 | 309.25 | 368.31 |
| Headgear and parts thereof | 75.63 | 280.17 | 300.51 | 311.30 | 332.64 |
| Raw hides and skins (other than fur skins) and leather | 298.99 | 215.76 | 153.07 | 175.50 | 139.79 |
| Plastics and articles thereof | 80.22 | 84.50 | 95.81 | 108.51 | 113.23 |
| Prepared feathers and down and articles made of feathers or of down; artificial flowers; articles … | 14.81 | 58.01 | 68.17 | 82.45 | 108.61 |
| Optical, photographic, cinematographic, measuring, checking, precision, medical or surgical … | 53.47 | 70.24 | 87.67 | 100.72 | 106.96 |
| Tobacco and manufactured tobacco substitutes | 48.84 | 91.58 | 97.62 | 117.55 | 99.86 |
| Vehicles other than railway or tramway rolling stock, and parts and accessories thereof | 130.52 | 89.51 | 85.06 | 82.20 | 93.93 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; ... | 39.82 | 45.13 | 63.37 | 91.08 | 88.91 |
| Toys, games and sports requisites; parts and accessories thereof | 26.71 | 59.09 | 64.37 | 92.24 | 87.89 |
| Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal ... | 17.56 | 10.93 | 10.75 | 23.21 | 86.20 |
| Aircraft, spacecraft, and parts thereof | 14.53 | 1.51 | 18.32 | 43.32 | 80.13 |
| Commodities not elsewhere specified | 0.51 | 36.79 | 72.67 | 85.33 | 73.55 |
| Cotton | 91.68 | 24.35 | 35.51 | 39.33 | 66.35 |
| Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television ... | 59.52 | 63.62 | 62.51 | 83.75 | 59.79 |
| Preparations of cereals, flour, starch or milk; pastrycooks' products | 84.84 | 35.94 | 42.47 | 55.52 | 58.08 |
| Pharmaceutical products | 70.12 | 90.30 | 108.43 | 108.39 | 57.44 |
| Copper and articles thereof | 26.26 | 24.82 | 51.01 | 59.58 | 53.37 |
| Machinery, mechanical appliances, nuclear reactors, boilers; parts thereof | 171.26 | 25.26 | 40.93 | 55.99 | 49.21 |
| Wadding, felt and nonwovens; special yarns; twine, cordage, ropes and cables and articles thereof | 29.85 | 37.27 | 31.32 | 32.64 | 46.39 |
| Ceramic products | 36.85 | 48.64 | 58.56 | 61.40 | 42.32 |
| Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, ... | 22.43 | 23.49 | 17.30 | 32.83 | 36.86 |
| Iron and steel | 18.91 | 14.89 | 23.70 | 31.27 | 32.05 |
| Carpets and other textile floor coverings | 19.07 | 33.53 | 32.97 | 32.48 | 31.79 |
| Beverages, spirits and vinegar | 25.27 | 16.93 | 22.24 | 23.89 | 27.69 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Edible vegetables and certain roots and tubers | 70.25 | 51.59 | 56.14 | 54.82 | 25.01 |
| Manufactures of straw, of esparto or of other plaiting materials; basket ware and wickerwork | 8.25 | 11.01 | 14.88 | 20.10 | 23.68 |
| Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral ... | 178.12 | 52.21 | 54.29 | 25.03 | 21.61 |
| Coffee, tea, maté and spices | 25.70 | 18.75 | 24.73 | 26.61 | 20.89 |
| Knitted or crocheted fabrics | 33.81 | 8.70 | 11.06 | 12.32 | 20.73 |
| Edible fruit and nuts; peel of citrus fruit or melons | 26.62 | 26.67 | 36.86 | 40.15 | 17.09 |
| Miscellaneous chemical products | 3.66 | 6.90 | 10.54 | 13.10 | 17.07 |
| Man-made staple fibers | 26.20 | 16.26 | 23.43 | 24.40 | 15.62 |
| Residues and waste from the food industries; prepared animal fodder | 3.24 | 8.00 | 0.89 | 7.68 | 15.13 |
| Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal ... | 17.87 | 14.84 | 9.74 | 10.67 | 14.32 |
| Salt; Sulphur; earths and stone; plastering materials, lime and cement | 2.20 | 13.27 | 20.48 | 13.84 | 13.49 |
| Paper and paperboard; articles of paper pulp, of paper or of paperboard | 36.00 | 6.01 | 14.75 | 24.35 | 13.46 |
| Articles of iron or steel | 26.89 | 9.75 | 6.79 | 13.76 | 13.23 |
| Preparations of meat, of fish or of crustaceans, mollusks or other aquatic invertebrates | 2.34 | 18.27 | 13.51 | 12.04 | 12.29 |
| Rubber and articles thereof | 21.68 | 9.61 | 9.44 | 10.51 | 12.25 |
| Ships, boats and floating structures | 19.97 | 18.77 | 18.59 | 3.42 | 12.18 |
| Miscellaneous manufactured articles | 15.30 | 7.78 | 10.78 | 12.68 | 11.34 |
| Preparations of vegetables, fruit, nuts or other parts of plants | 70.47 | 30.17 | 29.34 | 18.69 | 10.86 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Cereals | 6.05 | 11.13 | 8.04 | 9.90 | 9.58 |
| Ores, slag and ash | 7.74 | 10.50 | 9.71 | 6.05 | 9.00 |
| Zinc and articles thereof | 2.67 | 4.29 | 5.87 | 4.29 | 8.49 |
| Sugars and sugar confectionery | 9.18 | 12.99 | 8.32 | 7.32 | 7.71 |
| Printed books, newspapers, pictures and other products of the printing industry; manuscripts, … | 0.95 | 1.75 | 3.08 | 18.97 | 6.84 |
| Organic chemicals | 0.70 | 3.49 | 3.34 | 6.17 | 6.04 |
| Products of animal origin, not elsewhere specified or included | 14.88 | 2.77 | 2.69 | 2.77 | 5.87 |
| Glass and glassware | 1.56 | 2.85 | 3.19 | 2.40 | 5.08 |
| Vegetable plaiting materials; vegetable products not elsewhere specified or included | 23.92 | 0.53 | 0.33 | 0.56 | 4.59 |
| Umbrellas, sun umbrellas, walking sticks, seat-sticks, whips, riding-crops and parts thereof | 0.03 | 3.05 | 4.46 | 4.72 | 4.20 |
| Nickel and articles thereof | 0.08 | 0.45 | 3.24 | 2.68 | 3.97 |
| Tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal | 6.28 | 2.25 | 3.00 | 3.58 | 3.80 |
| Dairy produce; birds' eggs; natural honey; edible products of animal origin, not elsewhere … | 1.67 | 1.47 | 0.84 | 1.70 | 3.64 |
| Wood and articles of wood; wood charcoal | 4.06 | 5.67 | 5.60 | 6.56 | 3.53 |
| Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad … | 5.02 | 5.17 | 6.02 | 4.44 | 3.46 |
| Cocoa and cocoa preparations | 0.39 | 0.94 | 1.89 | 3.07 | 3.00 |
| Aluminum and articles thereof | 1.60 | 1.81 | 2.03 | 14.32 | 2.78 |
| Miscellaneous edible preparations | 0.25 | 7.69 | 5.12 | 5.57 | 2.37 |
| Products of the milling industry; malt; starches; inulin; wheat gluten | 1.62 | 1.00 | 1.33 | 2.55 | 2.32 |

| Products | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| Special woven fabrics; tufted textile fabrics; lace; tapestries; trimmings; embroidery | 49.34 | 3.78 | 5.11 | 2.49 | 2.28 |
| Articles of stone, plaster, cement, asbestos, mica or similar materials | 0.03 | 1.85 | 1.56 | 3.48 | 2.26 |
| Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial ... | 3.04 | 1.25 | 1.46 | 2.30 | 1.39 |
| Essential oils and resinoids; perfumery, cosmetic or toilet preparations | 0.63 | 1.29 | 1.91 | 3.85 | 1.37 |
| Miscellaneous articles of base metal | 0.43 | 1.39 | 1.26 | 1.86 | 1.29 |

*Source: ITC Trade Database*

# 15.7. Annexure 7 – Gross Output of Manufacturing Sector in Bangladesh

*Highlighted cells belong to top 80% products*

| BSIC code and description | Gross Output (2012) (in BDT Million) | Estimated Gross Output (2019)# (in BDT Million) | Rank |
|---|---|---|---|
| **Total** | **5,394,875** | **11,250,901** | |
| 10 Manufacture of food products | 608,777 | 1,077,622 | 4 |
| 11 Manufacture of beverages | 52,826 | 93,510 | 15 |
| 12 Manufacture of tobacco products | 87,197 | 149,440 | 9 |
| 13 Manufacture of textiles | 715,247 | 1,682,694 | 2 |
| 14 Manufacture of wearing apparel (Ready-made garments) | 1,819,482 | 4,280,523 | 1 |
| 15 Manufacture of leather and related products | 76,147 | 122,275 | 11 |
| 16 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials. | 6,912 | 11,846 | 22 |
| 17 Manufacture of paper and paper products | 57,187 | 101,672 | 12 |
| 18 Printing and reproduction of recorded media | 10,821 | 19,239 | 21 |
| 19 Manufacture of coke and refined petroleum products | 3,684 | 9,630 | 23 |
| 20 Manufacture of chemicals and chemical products | 140,184 | 229,332 | 7 |
| 21 Manufacture of pharmaceuticals, medicinal chemical and botanical products | 113,070 | 220,341 | 8 |
| 22 Manufacture of rubber and plastics products | 51,143 | 82,124 | 17 |
| 23 Manufacture of other non-metallic mineral products | 351,779 | 730,350 | 5 |
| 24 Manufacture of basic metals | 905,850 | 1,581,350 | 3 |
| 25 Manufacture of fabricated metal products, except machinery and equipment | 71,357 | 124,569 | 10 |
| 26 Manufacture of computer, electronic and optical products | 39,623 | 87,594 | 16 |
| 27 Manufacture of electrical equipment | 145,166 | 320,916 | 6 |

| BSIC code and description | Gross Output (2012)<br><br>(in BDT Million) | Estimated Gross Output (2019)#<br><br>(in BDT Million) | Rank |
|---|---|---|---|
| 28 Manufacture of machinery and equipment N.E.C. | 13,141 | 22,940 | 19 |
| 29 Manufacture of motor vehicles, trailers and semitrailers | 36,780 | 101,268 | 13 |
| 30 Manufacture of other transport equipment | 36,291 | 99,922 | 14 |
| 31 Manufacture of furniture | 39,685 | 77,335 | 18 |
| 32 Other manufacturing | 11,263 | 21,948 | 20 |
| 33 Repair and installation of machinery and equipment | 1,134 | 2,210 | 24 |
| 34 Recycling | 129 | 251 | 25 |

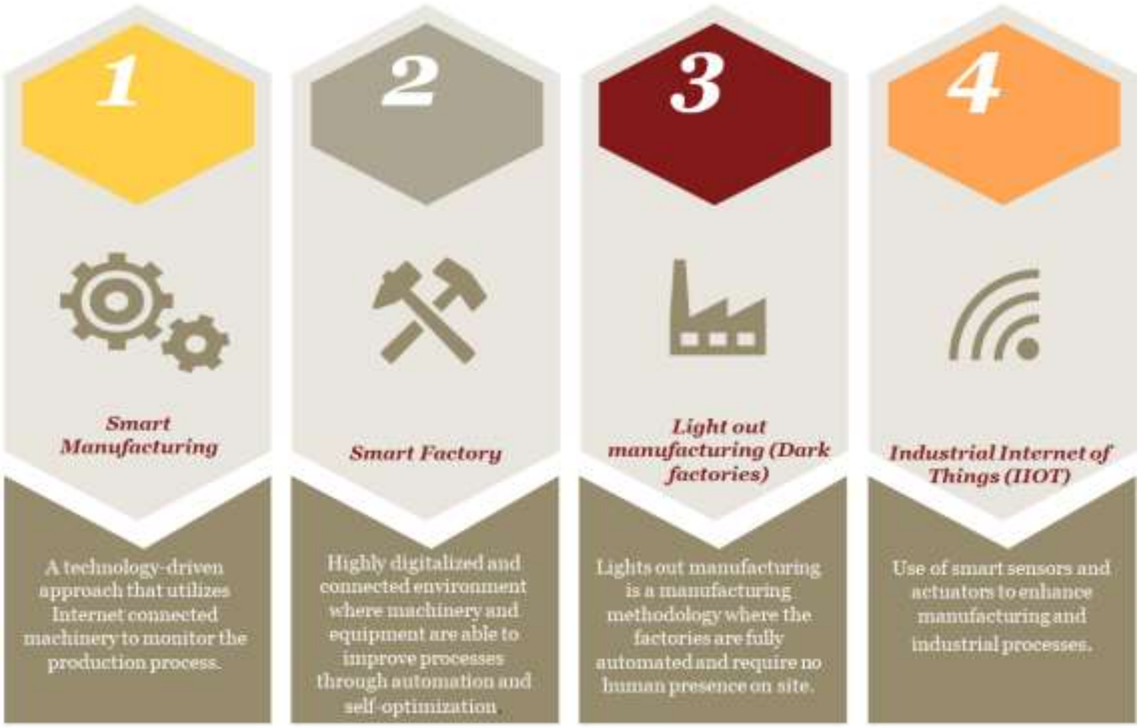
*#Estimated for 2019*
*Source: Bangladesh Bureau of Statistics, Survey of Manufacturing Industries 2012*

## 15.8. Annexure 8 – Industry 4.0

The fourth industrial revolution characterized by the increasing digitization and interconnection of products, value chains and business models – has arrived in the industrial sector. The term Industry 4.0 encompasses a promise of new industrial revolution. It is the digital transformation of industrial markets; specifically manufacturing industry driven by four disruptions: the astonishing rise in data volumes, computational power, connectivity and business intelligence capabilities.[269] It takes the automation of manufacturing processes to a new level by introducing customized and flexible mass production technologies.

The concept of Industry 4.0 includes:

*Figure 106: Concept of Industry 4.0*




Industry 4.0 digitizes and integrates vertical and horizontal value chains, vertically across the entire organization, from product development and purchasing, through manufacturing, logistics and service. All data about operations processes, process efficiency and quality management, as well as operations planning are available real-time, supported by augmented reality and optimized in an integrated network.[270] Horizontal integration stretches beyond the internal operations from suppliers to customers and all key value chain partners. It includes technologies from track and trace devices to real-time integrated planning with execution. In this way, the entire manufacturing and development industry effectively restructures and boosts the efficiency and profitability of the industry.

According to recent research study by McKinsey Global Institute, industries with highest potential for automation are manufacturing, accommodation, food services, transportation and warehousing. Experts forecast that businesses will be able to increase their productivity by about 30% using Industry 4.0 by 2025.[271] Bangladesh being a developing economy depends on export of manufactured products to foreign countries. However, with the advent of industry 4.0 regime, manufacturing is becoming less labor intensive, which might create challenges

*269 McKinsey*
*270 PwC*

for manufacturing industry in Bangladesh, which is majorly driven by cheap labor in the country. In light of Industry 4.0, it is pertinent for countries like Bangladesh, to do away with cheap labor being the primary driver of competitiveness and focus on infrastructure & logistics, research & development, and technology will be required to remain competitive in a changed industrial landscape. Therefore, it is imperative to develop the management of manufacturing and chain productions so that the efficiency would be substantially increased which is a strong indicator that Industry 4.0 is crucial for Bangladesh to move forward. Bangladesh needs the adaptation of Industry 4.0 not only to increase the industrial production but also to bolster the overall socio-economic growth. Additionally, to successfully implement the Industry 4.0 corresponding initiatives towards the development of human resource is necessary as it requires highly skilled manpower. Hence, the upgradation of the current educational infrastructure in the country with focus on developing the secondary and higher education is essential.

# 15.9. Annexure 9 – Global Value Chain Concept and Analysis

### *Description of the Concept:*

The value chain of a project is defined as "the full range of activities that firms and workers do to bring a product from its conception to its end use" (Gereffi and Fernandez-Stark, 2011)

These days value chains of various products are highly fragmented and are spread across the globe to take advantage of the unique advantages on offer at different countries for certain specific activities/productions along the value chains of these products, thereby improving the quality of the product and minimizing the production cost.

The purpose of using the GVC concept to identify products that Bangladesh can diversify into is explained as follows – A product with a highly fragmented value chain spread across different countries, offers Bangladesh an opportunity to participate in its value chain.

For e.g. – Let us say product P1 is manufactured in India, and the various inputs required to produce the product P1 is imported by India from other countries. Bangladesh being the neighboring countries and with obvious logistics cost advantage, can attempt to produce one or more of the various inputs that India is importing to produce P1, given it has the necessary capacity. Using the GVC concept, we will attempt to identify products like P1 in whose value chain Bangladesh can participate

In order to identify such products with highly fragmented value chains, we will use an index called the GVC participation index. Higher the value of GVC index, higher is the fragmentation of the value chain of the product.

The GVC index is given by the formula –

$$\text{GVC\_Participation}_{ik} = \frac{FV_{ik}}{E_{ik}} + \frac{IV_{ik}}{E_{ik}}$$

$FV_{ik}$ –Foreign value added in the export of product k by country i

$IV_{ik}$ – Domestic value added by country i in the product k used in the export of third countries

$E_{ik}$ – Gross value of export of product k by country i

### *Methodology used:*

The methodology adopted for identification of new products that Bangladesh can diversify into and export with an advantage, using the GVC concept is described below systematically

1. Step 1 – Shortlist the countries whose products will be assessed. Neighboring countries and countries with similar economies are shortlisted, and a list of products is compiled by taking the union of the set of products for each country.
2. Step 2 – A threshold value of GVC participation index is selected. The GVC index value which is more than 70% of all the GVC values in the GVC table is selected as the threshold value
3. Step 3 – Using these threshold value, a score is assigned to each product by counting the number of times the GVC value associated with the product for each country is more than the threshold value

   For e.g.

| | Country 1 | Country 2 | Country 3 | Country 4 | Country 5 | Country 6 | Score |
|---|---|---|---|---|---|---|---|
| GVC value for Product P1 | 3 | 4 | 2 | 2 | 4 | 2 | 3 |

In the above table, the score for product P1 will be 3, as the GVC value associated with P1 is equal to or more than 3 in three cases

4. Step 4 – Using this score the products will be shortlisted. The top five products have been identified from this approach
5. Step 5 – The value chain of these shortlisted products will be assessed, and the input products (backward linkages of the shortlisted products) and the products which can be produced by using the shortlisted products (forward linkages of the shortlisted products) is identified

***GVC Analysis:***

The objective of Global Value Chain analysis is to identify products that Bangladesh can diversify into. Thus, for a product with a highly fragmented value chain spread across different countries, this assessment intends to identify opportunity for Bangladesh to participate in its global value chain. For e.g. – Let's say a product P is manufactured in a country like China, and the various inputs required to produce the product P are imported by China from different countries. Bangladesh being the neighboring country has an obvious logistics cost advantage; it can attempt to produce one or more of the various inputs that China is importing to produce the product P, given it has the necessary capacity. Using the GVC concept we will attempt to identify products like P in whose value chain Bangladesh can participate.

The industries with high GVC index across the globe are listed in the table below:

*Table 155: Industries with high GVC index across globe*

| Industries with high GVC index across the globe | Sectors shortlisted |
|---|---|
| Chemicals and non-metallic mineral products | **Chemicals, Ceramics** |
| Electrical and optical equipment | **Electrical and electronics** |
| Basic metals and fabricated metal products | **Light machinery** |
| Transport equipment (Automobiles) | **Automobiles and accessories** |
| Machinery and equipment | **Heavy machinery** |
| Textiles, leather and footwear | **Textiles and RMG, Leather and leather products** |

*Source: PwC Research*

# 15.10. Annexure 10 – Sector Specific Forward and Backward Linkages

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| Textile & Ready-Made Garments (RMG) | Textile & RMG is the major industrial sector in the country. Bangladesh is 2nd largest exporter of RMG in the world after China, having 6.5% of global market share. It generates more than 65% of country's industrial employment and 81% of export earnings. This industry also provides employment to about 5 million workers with around 80% women employees.<br><br>GoB has set a target to achieve 8% share of the global apparel market with USD 50 billion of exports from RMG sector by 2021, in order to do so, it has also placed Textile & RMG sector in its high priority industrial sector list. Among the incentives offered by GoB, garment manufacturers and exporters get 4 percent cash incentive against value addition of products manufactured in the country using locally manufactured yarn.[272]<br><br>The basic material required for this sector is cotton, which is converted into yarn, followed by conversion into fabric and finally into RMG after dyeing. Bangladesh specialises in manufacturing of RMG by dint of its attractive demographic dividend and low cost of manpower. It is cost advantageous to produce RMG in Bangladesh as compared to other parts of the world.<br><br>Bangladesh's humid climate is not conducive for cultivation of cotton; hence cotton is primarily imported from neighbouring countries like China, India. Basis primary survey with industry sectors, local textile mills are also not able to meet demand for fabric by the RMG industry, hence fabric is also imported. Moreover, due to specific quality requirements of international customers, many customers have pre-designated fabric sourcing units outside Bangladesh, from where fabrics are imported into the country. Dyeing of garment is the last stage of activity before RMG being manufactured. This is a water intensive exercise, for which mostly ground water or river water towards captive sourcing is utilized (which ascertains continuous water supply). Due to poor quality of locally available dyeing material, some firms either export their garments for dyeing or use imported dyes.[273]<br><br>Textile buyers (customers) from large economies such as USA, EU, and others place orders to RMG manufacturers in Bangladesh as producing RMG in Bangladesh is cost advantageous. This is why RMG is the major export commodity from Bangladesh to major markets such as USA, Europe, and various other large economies. Yarn and fabric produced in Bangladesh primarily caters to domestic requirements as industrial linkage towards RMG. |
| Food & Beverages (F&B) | Bangladesh's large population base has created a huge domestic potential for this sector. With growing consumption economy, demand for nutrient rich, high quality food products is increasing. Besides, catering to local demand, Bangladesh also exports processed food products to 104 countries, with major exports being to middle-east and south-east Asian countries. [274] These countries have a lot of immigrants from Bangladesh, who drive demand for Bangladesh food products in these countries. As per data available with BAPA, Bangladesh processed food fetched all time high export |

[272] *http://rmgbd.net/incentives-for-textile-clothing/*
[273] *Primary Survey with Industry sectors*
[274] *http://www.bapabd.org/home/export/1*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | receipts of $ 700 million in 2018-19.[275] Major items of exports were fruit juice, biscuits, potato crackers, chips, puffed rice, jam, confectionery items, ketchup, parathas, singharas etc. As per BIDA, frozen food export is a priority sector for Bangladesh with special focus towards exports of shrimps.<br><br>Food & Beverage industry can be broadly segregated into two categories – (i) agro based products and (ii) animal products<br><br>For agro based products, the first stage is cultivation of necessary agricultural crops like cereals, fruits and vegetables. This is followed by 2-stage processing, where products like wheat are converted into flour by agro based industries and flour is then converted into 2nd stage products. These products are then packaged and sent to consumer markets.<br><br>F&B is the second stage in the value chain, while the first being agro based products.<br><br>Although Bangladesh being an agrarian economy is able to supply most of the raw material required for agro based industry, it also has to rely on imports for products like Wheat, Sugar and few fruit various reasons ranging from poor protein content in wheat to poor productivity of sugarcane.<br><br>For animal products, Bangladesh is primarily focussed of exports of fish products, in particular exports of shrimp. Shrimp production is a three-stage process, starting at hatcheries, where shrimp fries are cultivated, followed by farming where adult shrimps are cultivated from the shrimp fries. This is followed by processing, where activities like deshelling, de-heading and some minimal processing takes place in order to increase the shelf life of shrimp products. Lack of technological know-how prevents shrimp processing firms from adding further value to the processed shrimps.<br><br>Fish and shrimp cultivation take place in coastal parts of the country like Khulna, Barisal, Cox's Bazar and Chittagong.<br><br>Basis primary survey, investors prefer setting up of F&B units at central locations of Bangladesh so that seamless supply to consumers located across the country can take place easily. Some large domestic and foreign F&B players also source a part of their raw materials (like additives, flavours, and chemicals) from outside the country from registered vendors in order to conform to their global quality policy. |
| Agro Based Products | Agro based products act as source of raw material and intermediaries/ backward linkage to F&B sector in Bangladesh. Agro based products can broadly be classified into three categories viz. (a) cereal, egg & fruits based; (b) tobacco; and (c) non edibles (such as jute, cotton). This sector deals with first level processing of agricultural products and it acts as the upstream industry sector for F&B sector. Being an agrarian economy, Bangladesh cultivates agricultural products in abundance.<br><br>Although Bangladesh shows prominence in yield per unit area for wheat (3.1 MT per hectare vis-à-vis 3.07 MT per hectare globally), locally produced wheat are low on protein content. As a result of the same, Bangladesh has import dependency for wheat (Russia, Ukraine, and India are the major importers).[276] Rajshahi division is the top wheat producing division in the country. Egg and milk production in Bangladesh is not sufficient. Bangladesh's sugar yield (per unit area) is lower compared to neighbouring countries and as a result of the same, sugar is also imported. |

[275] https://thefinancialexpress.com.bd/views/processed-food-export-1583854567
[276] *ITC Trade Database*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | Rajshahi division produces major sugarcane and it is also largest producer of fruits including mango. Rice cultivation takes place in abundance in this country; ~75% of the total cropped area and ~80% of the total irrigated area is planted to rice. It caters to ~67% of total calorie supply and ~50% of total protein intake of an average person in this country.[277] Agro produces (both in raw form and intermediaries) caters to domestic demand as well as to F&B units for production of second stage of value chain products.<br><br>Bangladesh specialises in export of unmanufactured tobacco. Bangladesh produces 10,000 MT of tobacco in a year, out of which ~30% is exported. Khulna and Rangpur divisions are the topmost tobacco producing divisions. Tobacco cultivated caters to the domestic demand and the tobacco leaves are being exported to large economies.<br><br>Jute is one of the predominant cash crops in Bangladesh. Bangladesh is contributing ~39% of world's jute production. Jute is cultivated in almost all districts of Bangladesh; various jute mills are located in Khulna division. As explained earlier, humid climate in this country is not conducive for cultivation of cotton, hence cotton is primarily imported from countries like China, and India owing to quality aspects as well as less lead time requirement due to import from neighbouring countries.<br><br>Agro based products manufactured in Bangladesh primarily caters to the domestic demand and as feed to F&B industry. Export of agro based products mostly takes place to India and the surrounding countries. High dependency on primary sector (agriculture) necessitates the usage of light machinery and agricultural equipment in Bangladesh. |
| Leather and Leather Products | Leather industry is the second largest export earning sector of Bangladesh with major markets being Italy, England, Spain, France, Germany, Poland, China, Japan, USA and Canada. Bangladesh meets the demand of 10% of the world's total leather market. The overall leather industry is classified into three broad categories such as finished leather, leather products, and footwear. GoB has also declared this industry as the priority sector.<br><br>Value chain assessment of this sector depicts that in tanneries raw animal skins and hides are processed (using industrial salt and chemicals) to manufacture finished leather, which in turn is used to manufacture leather based products and footwear. Design of the leather products is a critical step which precedes the leather based products manufacturing. Designing involves skilled human resources and there appears to be a clear gap in availability of specialised manpower towards this stage.<br><br>Tanneries in Bangladesh form a cluster, recently this cluster has been relocated to Savar area from Hazaribagh area of Dhaka. This move was undertaken in order to regulate tanneries in Bangladesh and to ensure that proper safety and environment friendly norms were being followed. Basis primary survey, these tanneries suffer from inadequate infrastructure (such as non-metalled internal road, non-functional CETP, and high electricity cost), resulting in adverse effect on production of leather and underutilization of capacity for tanneries, located in Savar. The raw material required for leather is animal hide and skin. Due to its large cattle population, Bangladesh has a good supply of leather. Cow hides account for 56% |

[277] *http://www.knowledgebank-brri.org/riceinban.php*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | of production, goat skins for 30% and buffaloes make up the rest.[278] Bangladesh is a net exporter of raw hides and skins. Raw hides obtained from animals are mixed with chemicals for the purpose of tanning. The chemicals used for this process are currently imported due to lack of domestic production of the same. After tanning of leather, these leather goods are supplied to manufacturers of leather goods, where leather is converted into different products like footwear, bags, belts, clothes etc.<br><br>Final output from this sector caters to the domestic demand as well as it serves the export market. High quality and high end leather products are being manufactured in this country which are fit for export to large economies. Bangladesh is a net exporter of leather; however, export share of leather products has potential to increase in Bangladesh. For which adoption of new technologies, investment in R&D, and gradual development of designing capacity will be required. Bangladesh currently exports its leather products across the globe. |
| Plastic and Rubber | Plastic and rubber industry segment acts as intermediary and backward linkages for other sectors such as leather, packaging, machineries & equipment, footwear, and accessories. Plastic and rubber industry in Bangladesh is depicting an annual growth rate of 20%.[279]<br><br>Oil and gas industries are the primary upstream industries required for plastic and synthetic rubber production.<br><br>From crude oil distillation, compounding exercise is undertaken in which plastic products are polymerised. Further, mixing and moulding takes place for converting polymers to plastic products.<br><br>Natural (procured from rubber plantation) and synthetic rubber are compounded through adding chemical additives to manufacture rubber based products for industrial, commercial, and household purposes.<br><br>Owing to lack of oil refineries in this country, Bangladesh has limited participation in the plastic compounding stage. Since there is no polyolefin units in Bangladesh and demand of polymers is met through import (from China, Saudi Arabia, Chinese Taipei, Korea, and Thailand). Raw material requirements of plastic is met through import and from local recycled plastic waste.[280] It is to be noted that 20% of raw materials are from recycled materials.[281] Bangladesh has limited production capacity in this sector due to lack of advanced machinery and lack of skilled human resources. As a result, plastic products manufactured in this country primarily cater to domestic demand.<br><br>Due to lack of upstream petrochemical industries, there is no production of synthetic rubber in Bangladesh. Natural rubber is produced from rubber plantations located in Chittagong, Sylhet, Madhupura, and in Bandarban hill tracts.[282] Major importing countries for synthetic rubber are India and non SASEC countries. Produces from plastic and rubber industries are mostly used for industrial, commercial, and domestic consumption. |

[278] *Research Gate. 2013. Bangladeshi Leather Industry: An Overview of Recent Sustainable Developments.*
[279] *http://bida.gov.bd/plastic-industry*
[280] *http://emergingrating.com/wp-content/uploads/2017/09/Plastic-Industry-of-Bangladesh-Vol-I.pdf*
[281] *The Financial Express. 2015. Export-Oriented Plastic Industry of Bangladesh: Opportunities and Challenges*
[282] *http://en.banglapedia.org/index.php?title=Rubber_Industry*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | Due to lack of advanced technology, local small and medium players have restriction in producing quality rubber products. As a result, rubber produced in Bangladesh primarily caters to the domestic demand and export contribution is very less. |
| Paper and Packaging | As per Bangladesh Paper Mills Association, there are 110 paper mills in Bangladesh with a production capacity of 1.5 million metric tonne per year. Manufacturers in Bangladesh are investing in upgradation of technology to produce export quality papers in order to export paper to 40 countries. Paper and paper products exports from Bangladesh generated revenue of USD 16.24 million in 2018.[283]<br><br>The process of manufacturing paper products can be divided into a 3-stage process. The first stage involves acquiring raw material which can be soft wood, bamboo or other fibre-based plants. Raw material availability in Bangladesh is limited currently due to lack of ample land, conducive climate and soil conditions. Manufacturers are able to source local wood for manufacturing of basic paper. The wood obtained from plants is converted into pulp through use of digester, bleaching agents are typically sourced from local suppliers.[284] Manufacturers also use recycled paper or import pulp from other countries depending on the final product. This pulp is then converted into paper or packaging products.<br><br>Usually integrated paper manufacturers in other countries have upstream access to forest towards sourcing of wood. In Bangladesh, locally sourced wood is procured from forest areas in Bandarban and Chittagong forest areas. However, the pulp available locally is not of high quality fit for commercial and industrial purposes.<br><br>Per capita paper and board production in Bangladesh is ~3.5-4 kg, whereas the world average is 50 kg.[285] This shows that Bangladesh is still lagging behind the world in per capita paper production. Although, Bangladesh is producing sufficient paper for writing, printing and newsprint purposes, consumers are still dependent on imports for packaging material used in RMG, medicine and food items. This is because Bangladesh does not produce high quality pulp locally and while local raw material can meet local demand for basic paper and tissues, it does not satisfy the needs of manufacturers in RMG, F&B and pharmaceutical sectors, who are very particular about their paper quality. Paper packaging items are currently imported from Japan, South Korea, China, India and Indonesia. |

[283] *https://www.thedailystar.net/business/news/exports-prove-boon-paper-mills-1686010*
[284] *Paper Sector in Bangladesh: MMA Quader (2011)*
[285] *Paper Sector in Bangladesh: MMA Quader (2011)*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| Chemicals | Chemicals sector comprises various products viz. (i) fertilizer, (ii) adhesives & paints related products, and (iii) other chemicals. This sector exhibits annual growth trend of ~9%.[286] Chemicals sector acts as the downstream sector for various sectors such as agro based, shipbuilding, and heavy machineries. Adhesives and paints based products are consumed for household, commercial, and industrial purposes. At present, chemicals sector fulfils domestic demand and it is not export oriented. This sector is largely dominated by local traders who offer competitive price across the range of products.[287] Primary survey among industrial players reveals that owing to lack of technical know-how, lack of skilled manpower, and lack of quality laboratory facilities (research and testing) in this country, Chemicals sector is yet to shape up in Bangladesh and get ready for export oriented manufacturing.<br><br>Urea is the major raw material for fertilizer production. Additives are added to Urea for manufacturing fertilizers. Basis primary survey, production of urea based fertilizer is controlled by GoB; current production of urea is not sufficient to meet local demand (demand is 2.5 million MT annual and local supply is only 1 million MT annual) and owing to the same, import of fertilizer is required. Private players are involved in adding micronutrients (NKPF) to urea in order to enhance the quality.<br><br>Resin is the basic raw material for adhesive manufacturing, the same is imported. Downstream produces from adhesives are used in footwear, light engineering and construction sectors in the country. Large paints companies in Bangladesh are dependent on procuring raw materials through import from reputed empanelled vendors worldwide. Basis primary survey with industrial players, local (small and medium scale) chemicals manufacturers are dependent on importing resins from countries like India and South Asia.<br><br>Outputs of Chlor Alkali and Hydrogen Peroxide are basic chemicals necessary for all industrial usage. Downstream products from these basic chemicals have demand across various sectors such as dyeing, textile, F&B, Electrical & Electronics, Steel, Leather, Pharmaceuticals, and Plastic. These inputs are primarily imported from India, China, and other Asian countries. Due to lack of integrated chemical manufacturing facilities in Bangladesh, this sector is import dependent. |
| Non-metallic minerals | Non-metallic minerals sector comprises of (a) glass, (b) ceramics, and (c) cement. This sector records an average annual growth trend of ~24%.[288] Manufacturing output from these sectors primarily caters to the domestic demand.<br><br>Bangladesh glass and glassware sector is demonstrating healthy growth rate of ~20% annually. Main ingredient of glass industry is sand, although quality sand is imported from China and Egypt.[289] In addition, Bangladesh imports the other ingredients (like limestone, dolomite, feldspar, and other minerals) required for glass industry. Local sand deposits of Bangladesh are located at Balijuri, Shahjibazar, Maddhyapara, and |

[286] *http://www.thedailystar.net/supplements/painting-the-future-bright-1331338 https://factsweek.com/160464/asia-textile-chemicals-market-is-projected-to-exhibit-a-cagr-of-7-6-from-2014-2020/ https://advancedtextilessource.com/2014/07/23/bangladesh-textile-chemicals-market-growth-continues/*
287 *www.banglajol.info/index.php/jce/article/download/10178/7533*
[288] *http://www.thedailystar.net/supplements/overview-bangladeshs-ceramics-industry-1498489*
[289] *Secondary research and primary survey*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | Barapukuria.[290] Secondary research depicts that local glass sector caters to ~95% of the domestic demand; local glass companies are exporting products to South Asian countries (such as India, Nepal, Bhutan, and Sri Lanka).[291]<br><br>The domestic market for ceramic products, including tableware, tiles and sanitary ware, is worth about BDT 6,000 crore annually. According to Bangladesh Ceramics Manufacturers and Exporters Association (BCMEA), Bangladesh exported ceramic products worth BDT 585 crore last year,.[292] Clay mining (main ingredient) is sourced locally from Mymensingh and Sylhet regions. Basis primary survey with industry sector players, for high quality products, Bangladesh is import dependent and other raw materials (minerals, adhesives, and chemicals) are being imported. This sector caters to ~85% of the domestic demand and export takes place to various countries (like India, large western economies).[293] Natural gas is used in the production process and owing to low Sulphur content in locally available natural gas, ceramics products look shiny and bright, which makes it adequate for export to large markets.[294]<br><br>Limestone is the major raw material for cement production. Limestone is processed to form clinker, on which additives are mixed and crushed to manufacture cement. For cement production in this country, end-to-end manufacturing is not available as Bangladesh doesn't have enough supply of limestone. Clinker (processed limestone) is being imported from countries such as India, China, and South East Asia. Coal is also imported, and fly ash is sourced locally. All the cement based industrial units are located adjacent to river to facilitate smooth logistics. Cement production in this country is primarily used for domestic consumption and minimal export takes place. |
| Automobile and accessories | With rising income levels in the country, Bangladesh's demand for automobiles is rising. The domestic market demand has been mostly satisfied by imports. Bangladesh is not present across the value chain of automobile industry due to lack of technological know-how and trained manpower. The country has been primarily dependent on assembling of automobile components; these components (completely knock down units) are being imported. Currently the passenger car import comprise of refurbished cars or re-used cars that are reconditioned in Bangladesh. Import of passenger cars has clocked USD 470 million (in 2019).<br><br>However, with development of technological know-how automobile manufacturers are starting to manufacture vehicles at competitive prices locally and have also started targeting export markets. In the recent past several foreign entities expressed their intent to invest in Bangladesh. For example, recently Ashok Leyland opened a new commercial vehicle assembly plant near Dhaka. Various assemblers of vehicles are joint-ventures with foreign entities to help bring in technology and parts. Examples include a partnership between Ashok Leyland and IFAD Autos Limited, and a partnership between Tata Motors and Nitol Niloy Group. Bangladesh has duty-free agreement with several countries due to which cars |

[290] *Banglapedia*
[291] *http://www.thedailystar.net/news-detail-42940*
[292] *http://www.theindependentbd.com/post/227968*
[293] *http://www.thedailystar.net/supplements/overview-bangladeshs-ceramics-industry-1498489*
[294] *http://www.thedailystar.net/supplements/overview-bangladeshs-ceramics-industry-1498489*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | manufactured and exported from Bangladesh do not attract import duties. These cars can also attract local customers who are interested in buying new cars rather than refurbished cars. |
| Heavy Machinery, Iron, Steel and Metal | Bangladesh is one of Asia's emerging steel markets having more than 400 steel, re-rolling and auto re-rolling mills. Most of steel manufacture in Bangladesh takes place in form of long steel products and MS bars used in construction of buildings. Majority of the steel and metal based industrial units in Bangladesh are re-rolling mills and they are located in Chittagong and Narayanganj areas, where downstream produces (steel and metal scraps) from ship breaking industry are readily available. As per discussions with leading steel manufacturers, Bangladesh currently produces more than 4 million tonnes of steel and production of this sector is expected to double by 2022.<br><br>The value of chain of this sector involves mining of iron ore and converting it into pig iron inside blast furnace. This pig iron is converted into steel ingots by adding metals like magnesium, nickel etc. as per requirements of the final products. These steel ingots are then sent to rolling mills where they are converted into billets. Billets are then converted into final products in re-rolling mills.<br><br>Due to absence of iron ore deposits, steel industry in Bangladesh is dependent on import of scraps and billets to produce final products. Bangladesh currently manufactures steel for its domestic consumption only, however due to capacity expansion by steel manufacturers, Bangladesh has also developed potential to export steel products. Heavy machineries are dependent on supply of metals and steel. However the skill and technology requisite for the same are not available in the country. Waterfront facilities are required for setting up of steel, metal, and heavy machinery manufacturing related industries in the country. |
| Electrical and Electronics | Electrical and electronics sector consists of various end products such as cables, electrical appliances, switches, white goods, electronics appliances and goods. This sector caters to both household requirements as well as industrial requirements in sectors such as shipbuilding, heavy machineries & equipment, and light machinery. The market size of the electronics industry (including both industrial and consumer electronics) is around 4 billion USD in 2017 and is expected to reach around 12 billion USD by 2025.[295]<br><br>Raw materials for this sector is diversified and dependent on industrial linkages of various sectors. Products from plastic and rubber industries are used as base for production of switches and cables. Products from metal based industries are used for electrical wiring. Electronics sector has a fragmented value chain spread across various geographic locations. Spare parts of electronics sector (such as compressor, coil, and circuit) are sourced through import from India, China, Thailand, Singapore, and Malaysia. In addition to assembling of the spare parts, manufacturing of spare parts are also available in the country.[296]<br><br>The country's import in computer and telecommunication devices has been growing with negligible export. Growth in this sector is primarily attributed to the growing consumption pattern countrywide. Singapore, Malaysia, China, and India are the major supplier of spare parts and accessories. Major produces from this sector (such as electronic appliances like AC, fridge, TV, computer and peripherals; electrical fittings, cables, |

[295] *https://www.hcidhaka.gov.in/pdf/Report_on_Consumer_Electronics_Industry_in_Bangladesh(1).pdf*
[296] *Primary survey with industry players*

| Sector | Description of raw materials, industrial linkages, and market access |
| --- | --- |
| | and lighting) are consumed locally. Electrical and Electronics products manufactured locally are comparatively cheaper as compared to the products being manufactured by large brands (such as Sony, Samsung, Hitachi). Walton is the major player in electronics segment in Bangladesh with a market share of ~70%-80%. Local manufacturers hold minuscule share of market and they fail to enjoy economies of scale. Since the output from this sector are cost beneficial as compared to the product offerings of international brands, this sector mostly caters to the domestic demand. Minimal export takes place to India, Africa, Nepal, and Sri Lanka.[297] |
| Ship Building and Ship Breaking | Shipbuilding industry in Bangladesh is growing; exports earning from this sector in 2018 was USD 30 million, whereas in FY 2012-13 it was USD 5.73 million.[298] However, Bangladesh is still a net importer of end products of shipbuilding industry, with imports of USD 163.5 million in 2019.[299] The most imported items in Bangladesh are cruise ships, excursion boats, ferry boats, cargo boats; and light vessels, fire-floats, and dredgers. There are currently 300 shipyards operating in Bangladesh where 0.3 million people are employed.[300] Approximately 70% of the yards are located in and around Dhaka and Narayanganj along the side of the riverbanks of the Buriganga, Shitalakshya, and Meghna. About 20% of the shipyards are in Chittagong division located along the side of the Karnaphuli River and 6% are located along the bank of Poshur River of Khulna division, and the remaining 4% are located in Barisal division. Almost all inland, coastal, and bay crossing ships are constructed and repaired locally in these local shipyards.[301]<br><br>Design stage is the first component in the value chain where the layout of the ship is finalized. Ship production is primarily dependent on using steel plates to manufacture the hull of the ship and installing engines, cables and machines inside the ship. Manufacturing of ship requires designing of ship and availability of power sources. Shipbuilding industry requires input from various other downstream industries such as light engineering, chemicals (paints and adhesives), and steel.<br><br>At present, Bangladesh has limited participation at the design stage of the value chain, which requires skilled manpower. Bangladesh shipbuilders (due to lack of specialised skillset) are supplied with designs by foreign ship owners. From the input perspective, inputs such as steel plates, switch boards, steel cables, and power transformers, are procured locally, whereas engines are imported exclusively. With regard to steel, which is the primary input necessary for the industry, Bangladesh is import-dependent. This is because maximum steel rolling mills in Bangladesh are focussed towards producing long bars which have a higher demand from the construction industry and Bangladesh has a limited steel plate producing capacity. |

[297] *Primary Survey with industry players*
[298] *https://thefinancialexpress.com.bd/trade/export-earnings-from-shipbuilding-soar-1513396358*
[299] *ITC Trade Database*
[300] *https://thefinancialexpress.com.bd/trade/export-earnings-from-shipbuilding-soar-1513396358*
[301] *Japan Bangla Business Center. 2014. A Report on Shipbuilding Industry of Bangladesh.*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | The coastline of Bangladesh is also conducive for setting up ship breaking industry which primarily requires cheap labour. Shipyards in India, Pakistan and Bangladesh comprise around 80% of global breaking and recycling market.[302] The biggest ship recycling yard out of these 3 countries is in Chittagong, which recycled 230 ships in 2017.[303] Basis primary interaction and sectoral research, it was understood that Bangladesh gets 60% of its steel supply from ship breaking industry, which is used in iron, steel, light engineering and equipment manufacturing industries. |
| Petroleum products (including bottling) | Petroleum sector in Bangladesh is exhibiting historical annual growth trend of 10%.[304] Bangladesh is a major importer of petroleum products. Based on the petroleum and petroleum based products (such as LPG, LNG, and polymers), gas refining, storage and bottling facilities have been developed in waterfront locations mostly located near the sea sides of the country.<br><br>Based on extraction of crude oil, distillation and polymerization takes place to manufacture various downstream products such as lube oil, plastic, and rubber. Since there is no crude oil reserve in this country, Bangladesh is not present across the value chain of this sector. Crude oil is mostly being imported from gulf countries. Setting up of oil refineries is highly capital intensive and it involves usage of advanced technologies and heavy machineries. Further, highly skilled and specialized manpower is essential towards smooth functioning of this sector. Basis primary survey with industry players, Bangladesh lacks in terms of availability of highly skilled manpower; as a result of which, Bangladesh is present in less technologically challenging aspects in the value chain of this sector. There are various local players manufacturing lube oil and blended oil which are primarily consumed in sectors such as automobile, heavy engineering, and light machinery. LPG based cylinders are bottled in cylinders for industrial, commercial, and domestic supply. This sector caters to the local demand and not export oriented. |
| Pharmaceuticals | Pharmaceuticals is one of the most popular industry sector in the country. Bangladeshi pharmaceutical industry is growing very fast meeting 98% of domestic demand and posting a 27% growth in export earnings. In 2018, the country's domestic pharmaceutical market size stood at BDT 20,511.8 crore with 15.6% CAGR for the last five years.[305] The sector is expected to grow at 15% year-on-year to reach $5.11 billion by 2023, propelled by high investment by local companies as they seek to grab a bigger share of the global market.<br><br>Pharmaceuticals is a highly research and development oriented industry where regulatory aspects (like drug laws, patent issues, and affiliation with drug agencies) play key role. From basic chemicals and other products (like herbal contents), APIs are manufactured. APIs are the key ingredients for drug manufacturing.<br><br>APIs of Pharmaceutical sector is sourced through import owing to quality issues and lack of API manufacturing ecosystem in the country. Basis primary survey, Bangladesh has commenced API manufacturing, but the production is not sufficient to cater to the economies of scale (~10% APIs are locally sourced). Also, owing to lack of educational ecosystem and lack of research facilities, Bangladesh is limited in R&D and sourcing of |

[302] *http://www.atimes.com/article/shipbreaking-asia-profit-price/*
[303] *http://www.atimes.com/article/shipbreaking-asia-profit-price/*
[304] *http://fpd-bd.com/wp-content/uploads/2016/10/Research-Report-on-Energy-Sector-of-Bangladesh-Initiation-Mar-15-11.pdf*
[305] *https://www.dhakatribune.com/business/2019/08/22/bangladesh-pharmaceutical-industry-blooms-bigger*

| Sector | Description of raw materials, industrial linkages, and market access |
|---|---|
| | skilled technicians in this sector. Chemicals and various ingredients of drug are imported (from various markets spread across USA, Europe, and Asia) and end products (drugs) are being manufactured in this country.<br><br>Dhaka and the surrounding region has evolved as a hub for pharmaceutical manufacturing with majority of the pharmaceutical units are located in this region. Basis primary survey with industry players, lack of adequate educational system related to pharmaceutical sector and availability of skilled human resources are major challenges that this sector is facing. End products of this industry primarily caters to domestic demand and minuscule export takes place (mostly to Africa and LDC countries). |
| Light Machinery, Equipment and Furniture | This sector involves production of mechanical equipment, agricultural machinery, bicycles, and furniture. Produces from this sector is predominantly used for catering to domestic demand.<br><br>This is an important industry in Bangladesh as it provides backward and forward linkages to all other industries. Light machinery sector provides support for operation and maintenance of heavy machines through production of spare parts, castings, moulds, dies, fittings etc. As per information provided by BIDA there are currently 40,000 light engineering units/workshops scattered across Bangladesh. These industries develop in vicinity of industrial clusters in order to provide support to large scale capital intensive factories requiring heavy machinery. Products manufactured by this sector can be made out of rubber, ceramics, metals or plastic. Exporters from countries like China, Japan and Korea are developing light engineering facilities in Bangladesh in order to cater to export market.<br><br>Raw materials are steel scraps, components of plastic and rubber, and wood. Basis primary interaction, we were informed that steel scrap is sourced primarily from ship breaking industries (located in Chittagong and Narayanganj). Other raw materials (such as articles made of plastic and rubber) are sourced locally; Bangladesh doesn't produce good quality wood required for manufacturing of furniture. Since, wood available in Bangladesh are high in moisture and fibre content and is not fit for processing.<br><br>Bicycle sector in Bangladesh participates in the entire value chain (assembling and manufacturing). Manufacturers focused on export are completely import dependent for raw material sourcing. According to them, quality raw material fit for export is not available locally. However, majority of manufacturers are focused on catering to domestic demand. |

## 15.11. Annexure 11 – Respondents' Profile: Primary Survey

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 1 | Waga Apparels ltd | 1711132691 | raza@wegaapparels.com | Textile & RMG | Domestic |
| 2 | Renaissance Group | 1676188717 | km.tareq@renaissance.com.bd | Textile & RMG | Domestic |
| 3 | AKH Group | 1913121007 | reza_com@akhfashions.com | Textile & RMG | Domestic |
| 4 | Eco Apparels ltd | 1621202785 | NA | Textile & RMG | Domestic |
| 5 | Aman Knitting ltd | 27741428 | NA | Textile & RMG | Domestic |
| 6 | Amantex | 1755675386 | mosharof@amangroupbd.com | Textile & RMG | Domestic |
| 7 | Sharmin Group | 1713753811 | taha.audit@sharmingroup.com | Textile & RMG | Domestic |
| 8 | Ranka shoel composite textile mills ltd | 1966962100 | NA | Textile & RMG | Domestic |
| 9 | Isail Shininning Mills ltd | 1775716396 | NA | Textile & RMG | Domestic |
| 10 | EPIP Group | 1967725477 | NA | Textile & RMG | Domestic |
| 11 | Corni Aparels ltd | 1765847081 | NA | Textile & RMG | Domestic |
| 12 | Younggone Hightech Sportsware | 1751671246 | NA | Textile & RMG | Domestic |
| 13 | Babylone Garments ltd | 1612601411 | NA | Textile & RMG | Domestic |
| 14 | Ak Fabrics | 1737060601 | akfabrics5@gmail.com | Textile & RMG | Domestic |
| 15 | B.d.s International | 1817538631 | rahmat111111@gmail.com | Textile & RMG | Domestic |
| 16 | Queen South Textile Mills Ltd | 28817216 | ruton@qstmills.com | Textile & RMG | Domestic |
| 17 | Frm Fashion Hpouse Ltd | 1684405023 | NA | Textile & RMG | Domestic |
| 18 | Dshin Shiping Mills limited | 1718793766 | abuhanifasst@gmail.com | Textile & RMG | Domestic |
| 19 | Besta Apparels | 1670217275 | alamin@bestapparels.com | Textile & RMG | Domestic |
| 20 | Outpace spirring mills.limited | 1718383022 | dgm@outplaced.com | Textile & RMG | Domestic |
| 21 | Ispahani Food Ltd. | 1937900062 | info@ispahanifoods.com | Food & Beverages | Domestic |
| 22 | Shezan/Sajeeb Ltd | 1711763088 | alam.hrm@sajeebgroup.com | Food & Beverages | Domestic |
| 23 | Nocilla Sajeeb Ltd | 1711763088 | alam.hrm@sajeebgroup.com | Food & Beverages | Domestic |
| 24 | Hulk Sajeeb Ltd | 1711763089 | alam.hrm@sajeebgroup.com | Food & Beverages | Domestic |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 25 | Wings Sajeeb Ltd | 1711763088 | alam.hrm@sajeebgroup.com | Food & Beverages | Domestic |
| 26 | Mierotrade Food & Beverage Ltd | 02-9888092 | NA | Food & Beverages | Domestic |
| 27 | BRAC Dairy & Food Project | 1799985653 | NA | Food & Beverages | Domestic |
| 28 | A.T Beverage Ltd. | 1988808055 | NA | Food & Beverages | Domestic |
| 29 | AST Group Ltd | 1711477128 | astbeverage@yahoo.com | Food & Beverages | Domestic |
| 30 | AST Group Ltd | 1711477128 | astbeverage@yahoo.com | Food & Beverages | Domestic |
| 31 | AST Group Ltd | 1711477128 | astbeverage@yahoo.com | Food & Beverages | Domestic |
| 32 | AST Group Ltd | 1711477128 | astbeverage@yahoo.com | Food & Beverages | Domestic |
| 33 | Bengal Group Of Industries | 1936009035 | fin@bengal.com.bd | Food & Beverages | Domestic |
| 34 | Aman Group | 1713756565 | NA | Food & Beverages | Domestic |
| 35 | Meridian Foods Ltd | 031-672285 | arif.siddikee@meridiangroupbd.com | Food & Beverages | Domestic |
| 36 | Tan Trade BD Ltd. | 01819-284161 | N/A | Leather and Leather Products | Domestic |
| 37 | Arafat leather | 01622-370912 | N/A | Leather and Leather Products | Domestic |
| 38 | Progressive leather goods ltd. | 29888159 | N/A | Leather and Leather Products | Domestic |
| 39 | Coritan International | 01316-308567 | coritan73@gmail.com | Leather and Leather Products | Domestic |
| 40 | Bangladesh chemical importers | 0189-284161 | ceo@tantreadebdltd.com | Leather and Leather Products | Domestic |
| 41 | Dhaka Hide & Skins Ltd | 28613515 | dfl@net2bd.com | Leather and Leather Products | Domestic |
| 42 | Creative Leather & Leather Goods | 01819-239484 | creativeleather79@gmail.com | Leather and Leather Products | Domestic |
| 43 | Goose Ltd. | 01754-447276 | NA | Leather and Leather Products | Domestic |
| 44 | Bengal Leather Complex Ltd. | 01841-164704 | kzaman@albarosabd.com | Leather and Leather Products | Domestic |
| 45 | Leather Technologist Small. | 01712-753242 | afroza.silky@gmail.com | Leather and Leather Products | Domestic |
| 46 | Iqra Footwear Industries Ltd. | 01711-533640 | iqrafootwear15@gmail.com | Leather and Leather Products | Domestic |
| 47 | Shahjalal Leather Complex Ltd. | 01711-024509 | sgco@bdmail.com | Leather and Leather Products | Domestic |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 48 | Rex Leather Associates | 01716-220890 | chemirex_bd@yahoo.com | Leather and Leather Products | Domestic |
| 49 | Balmer Lawrie & Co. Ltd. | 01712-121161 | NA | Leather and Leather Products | Domestic |
| 50 | Sarwar Leather Corporation Ltd. | 01711-595817 | slcaliashraf@gmail.com | Leather and Leather Products | Domestic |
| 51 | One Solar Power | 1960013062 | NA | Chemicals | Domestic |
| 52 | Rony Perfumes & Chemicals | 1675747479 | hossain7474@gmail.com | Chemicals | Domestic |
| 53 | M/S Ripon Perfumery & Chemicals | 1819214965 | fayzurrahaman@gmail.com | Chemicals | Domestic |
| 54 | Lahore Perfumery House | 1711619848 | NA | Chemicals | Domestic |
| 55 | M/S Azad Chemical company | 1971561845 | azadchemicalsharif@gmail.com | Chemicals | Domestic |
| 56 | Burhan Perfumery House | 02-57310853 | NA | Chemicals | Domestic |
| 57 | Exsim Fabricator | 1748281234 | exsimfabricator@gmail.com | Chemicals | Domestic |
| 58 | Jony Perfumery & Chemicals | 1731798888 | NA | Chemicals | Domestic |
| 59 | M/S Al-Arafat Tradus | 257392331 | nossainunderstorimdad746@yeahoo.com | Chemicals | Domestic |
| 60 | Hamko Group | 01755-535582 | habibur@hamko.com.bd | Chemicals | Domestic |
| 61 | Jamil Chemical & Perfumery | 1817066382 | NA | Chemicals | Domestic |
| 62 | Anan Chemical Industries Limited | (+880)2-5501-3505 | info@ananchemical.com | Chemicals | Domestic |
| 63 | Anan Chemical Industries Limited | (+880)2-5501-3505 | info@ananchemical.com | Chemicals | Domestic |
| 64 | Titu Perfumes And Chemicals | 1726480820 | titu7878@gmail.com | Chemicals | Domestic |
| 65 | Jonaki Scientific Store | 1715315133 | jonakiscientific@gmail.com | Non-metallic minerals | Domestic |
| 66 | Progoti Scientific Company | 1715401176 | progotisci@gmail.com | Non-metallic minerals | Domestic |
| 67 | Al-Madina Scientific Centre | 1716338955 | almadinascientific@gmail.com | Non-metallic minerals | Domestic |
| 68 | New Khan Furniture | 1716124274 | NA | Non-metallic minerals | Domestic |
| 69 | New Lamiya Furniture | 1710501048 | NA | Non-metallic minerals | Domestic |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 70 | Janata Furniture | 1726835195 | NA | Non-metallic minerals | Domestic |
| 71 | M/S Unique Furniture Mart | 1823391034 | NA | Non-metallic minerals | Domestic |
| 72 | M/S Sarif Furnitures | 1715066350 | NA | Non-metallic minerals | Domestic |
| 73 | New Seba Furniture Mart | 1711372541 | NA | Non-metallic minerals | Domestic |
| 74 | Akota Furniture | 1552430152 | shamimhasanbac@gmail.com | Non-metallic minerals | Domestic |
| 75 | Bismillah Furniture | 1712086613 | NA | Non-metallic minerals | Domestic |
| 76 | Nurjahan Furniture Gallery | 1712039317 | NA | Non-metallic minerals | Domestic |
| 77 | Goodluck Furniture | 1819122386 | goodluckfun7@gmail.com | Non-metallic minerals | Domestic |
| 78 | Megacity Furniture | 1713164802 | NA | Non-metallic minerals | Domestic |
| 79 | Delco-BD | 1770625083 | NA | Non-metallic minerals | Domestic |
| 80 | Efti Electrical Industries | 01756-931969 | hellalmollah2486@gmail.com | Electrical/Electronics | Domestic |
| 81 | Zhong Mong Lighting Factory | 01706-696895 | 3896213862@qq.com | Electrical/Electronics | Domestic |
| 82 | Honest Trade International | 01817-074693 | mdmilon68@gmail.com | Electrical/Electronics | Domestic |
| 83 | Presedent Lighting Corportion | 01611-224316 | NA | Electrical/Electronics | Domestic |
| 84 | Sdi Electric Co. | 01711-782719 | bemmabd@gmil.com | Electrical/Electronics | Domestic |
| 85 | Rahmat Ineternational | 01720-395605 | rahmtinternational01@gmail.com | Electrical/Electronics | Domestic |
| 86 | LG Cables | 01711-535510 | mdaiburrahman32@gmail.com | Electrical/Electronics | Domestic |
| 87 | K.P Electrics | 01711-585086 | NA | Electrical/Electronics | Domestic |
| 88 | Delta Electrical Industries | 01715-158944 | NA | Electrical/Electronics | Domestic |
| 89 | Saudia Electric Co. | 01711-566466 | NA | Electrical/Electronics | Domestic |
| 90 | Bengal Tech | 1711708099 | yousufyash1925@yahoo.com | Electrical/Electronics | Domestic |
| 91 | Tista electronics | 1711975314 | NA | Electrical/Electronics | Domestic |
| 92 | ACI(Advance Camicals Industries) | 28878603 | NA | Pharmaceuticals | Domestic |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 93 | Incepta Pharmaceuticals Ltd. | 1916923792 | NA | Pharmaceuticals | Domestic |
| 94 | The Acmi Laboratories Ltd. | 1713433720 | rakibuddin@gmail.com | Pharmaceuticals | Domestic |
| 95 | General Pharmaceuticals Ltd. | 1754676879 | NA | Pharmaceuticals | Domestic |
| 96 | Delta Pharma Ltd. | 1738490322 | NA | Pharmaceuticals | Domestic |
| 97 | Eskayf Pharmaceuticals Ltd. | 09610-998088 | redwan.haque@skf.transcombd.com | Pharmaceuticals | Domestic |
| 98 | Jayson Pharmaceuticals Ltd. | 01713080446 | admin@jaysonbd.com | Pharmaceuticals | Domestic |
| 99 | Aristopharma Ltd. | 01757697256 | factory@aristopharma.com | Pharmaceuticals | Domestic |
| 100 | Glob Pharmaceuticals Ltd. | 01714071985 | mainul@globe-uro.com | Pharmaceuticals | Domestic |
| 101 | Millat Pharmaceuticals Ltd. | 01715298830 | mahfuzz@yahoo.com | Pharmaceuticals | Domestic |
| 102 | Jayson Agrovet Ltd. | 01713080446 | admin@jaysonbd.com | Pharmaceuticals | Domestic |
| 103 | Rangs Pharmaceuticals Ltd. | 01936001074 | info@rangspharma.net | Pharmaceuticals | Domestic |
| 104 | Machine Ghor | 01747942098, 02-47113623 | skabir13@gmail.com | Light Machinery, Equipment and Furniture | Domestic |
| 105 | Binimoy Engineering Workshop | 01711709223, 01913389541, 02-47111636 | binimoyeng@gmail.com | Light Machinery, Equipment and Furniture | Domestic |
| 106 | Khan Engineering Workshop | 1742803026 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 107 | Bionic Engineering | 01712226058, 9578276 | bionic_engineering@gmail.com | Light Machinery, Equipment and Furniture | Domestic |
| 108 | Md. Sazzad Hossain Engineering Workshop | 1819149439 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 109 | Abul gas kit & Engineering Workshop | 717470 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 110 | Shimantho Enterprise | 01711179568, 47118184 | NA | Light Machinery, Equipment and Furniture | Domestic |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 111 | Manup Engineering workshop | 7113545 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 112 | Messrs Rafin Corporation | 1638797723 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 113 | Sumon Spool & Bobbin Factory | 01914985521, 01716820787 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 114 | Bismillah Engineering | 1715276017 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 115 | I metal Molding | NA | NA | Light Machinery, Equipment and Furniture | Domestic |
| 116 | Brother Engineering workshop | 1711200886 | NA | Light Machinery, Equipment and Furniture | Domestic |
| 117 | Mega business ( pvt.) Ltd. | 1711534068 | info@megabpl.com | Plastic and Rubber | Domestic |
| 118 | R.S.L. pvc pipe industries | 1797451471 | NA | Plastic and Rubber | Domestic |
| 119 | Al-amin store city plastic ind. | 8622338 | NA | Plastic and Rubber | Domestic |
| 120 | World teade packaging ind. | 1616536691 | wtp1234@yahoo.com | Plastic and Rubber | Domestic |
| 121 | shamim group | 01999 093930 | rana.shamimgroup@gmail.com | Plastic and Rubber | Domestic |
| 122 | adhora enterprise | 1625219230 | NA | Plastic and Rubber | Domestic |
| 123 | Bengal group of ind . | 1936009035 | NA | Plastic and Rubber | Domestic |
| 124 | mou plastic ind.ltd | 1726487783 | NA | Plastic and Rubber | Domestic |
| 125 | Alamin plastic Ltd. | 1826173083 | NA | Plastic and Rubber | Domestic |
| 126 | Shasahan plastic ind. | 1305267469 | NA | Plastic and Rubber | Domestic |
| 127 | Rulual amin plastic ind . | 1879606877 | NA | Plastic and Rubber | Domestic |
| 128 | mother plastic ind. Ltd | 1828076398 | NA | Plastic and Rubber | Domestic |
| 129 | Coats Bangladesh Ltd. | 0288709605 | rezowanmahmud@coatsbd.com | Textile & RMG | UK |
| 130 | Ever Smart Bangladesh Ltd. | 01841122423 | monirk@eversmartbd.com | Textile & RMG | Hongkong |
| 131 | Arvind | 01631111000 | prosenjit.arivind@bd.com | Textile & RMG | India |
| 132 | Daeyu Bangladesh Ltd. | 01712112715 | shafiqur.daeyu@gmail.com | Textile & RMG | South Korea |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 133 | Coca Cola International Beverage Pvt. Ltd. | 01799990059 | mkamrujaman@coca-cola.com.bd | Food & Beverages | USA |
| 134 | Bajaj Foods Pvt. Ltd. | 029865420444 | NA | Food & Beverages | India |
| 135 | Integrated Food & Beverage Pvt. Ltd. | 028818327 | manishdirector@pepsico.com | Food & Beverages | India |
| 136 | Cheaney Shoes | N/A | N/A | Leather and Leather Products | UK |
| 137 | Aero Leather Clothing Ltd. | N/A | N/A | Leather and Leather Products | UK |
| 138 | Bata Shoe Company (Bangladesh) Ltd | +88029810501-5 | bata518@batabd.com | Leather and Leather Products | Switzerland |
| 139 | Galaxy Surfactants Ltd. | 27616666 | investorservices@galaxysurfactants.com | Chemicals | India |
| 140 | Coromandel International Ltd. | 66997000/ 66997300/ 66997500 | investorsgrievance@coromandel.murugappa.com | Chemicals | India |
| 141 | Jg Summit Petrochemical Corporation | (02) 397 3200 | N/A | Chemicals | Philippines |
| 142 | Asahi India Glass Ltd. | 49454900 | investorrelations@aisglass.com | Non-metallic minerals | India |
| 143 | Wonder Cement Limited | 91-01463260151 | corp.sect@wondercement.com | Non-metallic minerals | India |
| 144 | Royal Ceramics Lanka Plc | 94-0114799400 | ho.gen@rcl.lk | Non-Metallic Minerals | Sri Lanka |
| 145 | Lafarge Surma Cement Bangladesh Ltd | 029881002 | info.ca@lafargholcim.com | Non-Metallic Minerals | France |
| 146 | Bharat Heavy Electricals Ltd. | 66337000 | shareholderquery@bhel.in | Electrical and Electronics | India |
| 147 | KEC International Ltd. | 66670200 | investorpoint@kecrpg.com | Electrical and Electronics | India |
| 148 | ABB India Ltd. | 22949150/ 22949151/ 22949152 | investor.helpdesk@in.abb.com | Electrical and Electronics | India |
| 149 | Novo Nordik Pharma Pvt. Ltd. | 01713147895 | nnbdcc@novonordisk.com | Pharmaceuticals | Denmark |
| 150 | Moringo Organics Bangladesh Ltd. | 01748962022 | hasanmahmud@bd.com | Pharmaceuticals | India |

| Sl. No. | Name of Company | Contact | Email | Sector | Origin |
|---|---|---|---|---|---|
| 151 | Himloya Drug Company Limited | 01857935220 | NA | Pharmaceuticals | India |
| 152 | Agro Tech Foods (Bangladesh) Pvt. Ltd. | 9650298306 | pradipghosh.chaudhuri@atfoods.com | Light Machinery, Equipment and Furniture | India |
| 153 | Gesco Healthcare Bangladesh Private Limited | 01710827485, 01909452947 | N/A | Light Machinery, Equipment and Furniture | India |
| 154 | Electro Meter Bangladesh | 01841345180 | abhikdas8@rediffmail.com | Light Machinery, Equipment and Furniture | India |
| 155 | Paharpur Cooling Towers Bangladesh Ltd | 01892777475 | Kaustav.sen@paharpur.com | Light Machinery, Equipment and Furniture | India |
| 156 | CEAT | 01972328246 | bidhan.chowdhury@ceatbd.com | Plastic & Rubber | India |
| 157 | Tupper Ware Bangladesh | 01960036250 | riyadul@tupperware.bd | Plastic & Rubber | USA |
| 158 | MRF Ltd. (India) | 28292777 | mrfshare@mrfmail.com | Plastic & Rubber | India |

## *15.12. Annexure 12 – Gross Value Added of Manufacturing Sector in Bangladesh*

| BSIC Code | Category | Gross Value Added ('000 BDT) 2012 | Estimated Gross Value Added ('000 BDT) 2019# |
|---|---|---|---|
| 10 | Food products | 173,959,169 | 307,932,474 |
| 11 | Beverages | 13,563,935 | 24,010,094 |
| 12 | Tobacco products | 24,103,009 | 41,308,322 |
| 13 | Textiles | 219,728,433 | 516,934,316 |
| 14 | RMG | 555,979,580 | 1,308,000,607 |
| 15 | Leather & related products | 22,180,319 | 35,616,745 |
| 16 | Wood products & cork, except furniture; articles of straw & plaiting materials | 2,305,861 | 3,951,841 |
| 17 | Paper products | 15,690,942 | 27,896,721 |
| 18 | Printing and reproduction of recorded media | 4,862,787 | 8,645,486 |
| 19 | Coke & refined petroleum products | 1,309,369 | 3,422,638 |
| 20 | Chemical products | 37,247,914 | 60,935,216 |
| 21 | Pharmaceuticals, medicinal chemical & botanical products | 33,880,955 | 66,024,396 |
| 22 | Rubber & plastics products | 16,903,205 | 27,142,853 |
| 23 | Other non-metallic mineral products | 110,552,682 | 229,525,073 |
| 24 | Basic metals | 216,992,159 | 378,805,097 |
| 25 | Fabricated metal products, except machinery & equipment | 22,258,815 | 38,857,407 |
| 26 | Computer, electronic & optical products | 10,776,985 | 23,824,480 |
| 27 | Electrical equipment | 41,146,392 | 90,961,564 |
| 28 | Machinery & equipment n.e.c. | 3,912,336 | 6,829,799 |
| 29 | Motor vehicles, trailers & semi-trailers | 9,970,559 | 27,452,407 |
| 30 | Transport equipment | 10,290,836 | 28,334,241 |
| 31 | Furniture | 11,321,651 | 22,062,695 |
| 32 | Other manufacturing | 3,497,927 | 6,816,470 |
| 33 | Repair and installation of machinery and equipment | 459,602 | 895,634 |
| 34 | Recycling | 51,653 | 100,657 |
| **Total** | | **1,562,947,075** | **3,286,287,235** |

*# Estimated for 2019*
*Source: Bangladesh Bureau of Statistics, Survey of Manufacturing Industries (2012) Table 5.2.2 (Page 35)*

Based on the above table, following list of Gross Value Added for the initial bucket list of industries has been developed.

| Industry Sectors | Gross Value Added (In BDT Mn) at 2012 | Estimated Gross Value Added ('000 BDT) at 2019# |
|---|---|---|
| Textiles and RMG | 775,708 | 1,776,485 |

| Industry Sectors | Gross Value Added (In BDT Mn) at 2012 | Estimated Gross Value Added ('000 BDT) at 2019# |
|---|---|---|
| Food & Beverages | 187,523 | 331,943 |
| Agro based products | 24,103 | 41,308 |
| Leather and Leather Products | 22,180 | 35,617 |
| Plastic and Rubber | 16,903 | 27,143 |
| Paper and Packaging | 17,997 | 32,589 |
| Chemicals | 37,248 | 61,505 |
| Non-Metallic Minerals | 110,553 | 229,525 |
| Auto and Automobile Accessories | 20,261 | 56,757 |
| Heavy Machinery, Iron & Steel and Metals | 239,251 | 421,530 |
| Electrical & Electronics | 51,923 | 117,861 |
| Ship Building and Ship Breaking | 511 | 1,052 |
| Petroleum Products including Bottling | 1,309 | 3,393 |
| Pharmaceuticals | 33,881 | 67,225 |
| Light Machinery and Equipment & Furniture | 18,732 | 36,503 |

*# Estimated for 2019*

# 15.13. Annexure 13 – Estimation of Industrial Growth Rate

**Methodology for assessment of COVID 19 Impact on Industry Growth Rates:**

- Step-1: In the first step, impact of COVID 19 on every industry was assessed on various parameters such as industry inputs, domestic and international market, and trade, and possible impact on each industry was rated on a scale of 5.
- Step-2: In second step, growth rates of every industry were decreased in the ratio of the rating received through impact assessment exercise. The Word Bank revised growth rate estimates for Bangladesh's industrial sector along with the ratings received were used to calculate the dips in growth rates of every industry

| Industry | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|
| Textiles and RMG | 10.00% | -0.10% | 0.83% | 2.83% | 4.31% | 5.89% | 8.00% |
| Food & Beverages | 8.50% | 5.96% | 6.41% | 7.41% | 8.16% | 8.95% | 10.00% |
| Agro based products | 8.00% | 6.38% | 7.39% | 7.84% | 8.17% | 8.53% | 9.00% |
| Leather and Leather Products | 7.00% | 1.53% | 2.26% | 3.86% | 5.05% | 6.32% | 8.00% |
| Plastic and Rubber | 7.00% | 3.15% | 3.70% | 4.90% | 5.79% | 6.74% | 8.00% |
| Paper and Packaging | 10.00% | 5.96% | 7.06% | 8.16% | 8.97% | 9.84% | 11.00% |
| Chemicals | 8.00% | 1.53% | 2.83% | 4.83% | 6.31% | 7.89% | 10.00% |
| Non-Metallic Minerals | 11.00% | 2.68% | 3.96% | 6.76% | 8.84% | 11.05% | 14.00% |
| Auto and Automobile Accessories | 17.00% | 3.26% | 4.24% | 7.24% | 9.47% | 11.84% | 15.00% |
| Heavy Machinery, Iron & Steel and Metals | 9.00% | 1.72% | 2.83% | 4.83% | 6.31% | 7.89% | 10.00% |
| Electrical & Electronics | 15.00% | 2.87% | 4.24% | 7.24% | 9.47% | 11.84% | 12.00% |
| Ship Building and Ship Breaking | 12.00% | 7.15% | 6.41% | 7.41% | 8.16% | 8.95% | 10.00% |
| Petroleum Products including Bottling | 14.00% | 2.68% | 3.68% | 6.28% | 8.21% | 10.26% | 13.00% |
| Pharmaceuticals | 12.00% | 9.57% | 9.85% | 10.45% | 10.89% | 11.37% | 12.00% |
| Light Machinery and Equipment & Furniture | 15.00% | 7.09% | 8.32% | 11.02% | 13.02% | 15.16% | 18.00% |

| Industry | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|---|---|---|---|---|---|---|
| Textiles and RMG | 9.63% | 9.64% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Food & Beverages | 10.82% | 10.82% | 10.00% | 10.00% | 10.00% | 9.00% | 9.00% |
| Agro based products | 10.41% | 10.41% | 10.00% | 10.00% | 10.00% | 8.00% | 8.00% |
| Leather and Leather Products | 9.31% | 9.31% | 8.00% | 8.00% | 8.00% | 7.00% | 7.00% |
| Plastic and Rubber | 8.98% | 8.98% | 8.00% | 8.00% | 8.00% | 7.00% | 7.00% |
| Paper and Packaging | 10.82% | 10.82% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Chemicals | 9.31% | 9.31% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Non Metallic Minerals | 13.96% | 13.97% | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% |

| Industry | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|---|---|---|---|---|---|---|
| Auto and Automobile Accessories | 17.45% | 17.46% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% |
| Heavy Machinery, Iron & Steel and Metals | 10.47% | 10.48% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% |
| Electrical & Electronics | 13.96% | 13.97% | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% |
| Ship Building and Ship Breaking | 10.82% | 10.82% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Petroleum Products including Bottling | 15.12% | 15.13% | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% |
| Pharmaceuticals | 12.49% | 12.49% | 12.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Light Machinery and Equipment & Furniture | 20.21% | 20.21% | 18.00% | 15.00% | 15.00% | 15.00% | 15.00% |

| Industry | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 |
|---|---|---|---|---|---|---|---|
| Textiles and RMG | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Food & Beverages | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% |
| Agro based products | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Leather and Leather Products | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Plastic and Rubber | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Paper and Packaging | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Chemicals | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Non Metallic Minerals | 12.00% | 12.00% | 12.00% | 11.00% | 11.00% | 11.00% | 11.00% |
| Auto and Automobile Accessories | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% |
| Heavy Machinery, Iron & Steel and Metals | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% |
| Electrical & Electronics | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% |
| Ship Building and Ship Breaking | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Petroleum Products including Bottling | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% |
| Pharmaceuticals | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Light Machinery and Equipment & Furniture | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% |

| Industry | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 |
|---|---|---|---|---|---|---|
| Textiles and RMG | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Food & Beverages | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% |
| Agro based products | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Leather and Leather Products | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |

| Industry | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 |
|---|---|---|---|---|---|---|
| Plastic and Rubber | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Paper and Packaging | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Chemicals | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% | 8.00% |
| Non Metallic Minerals | 11.00% | 11.00% | 11.00% | 11.00% | 11.00% | 11.00% |
| Auto and Automobile Accessories | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% |
| Heavy Machinery, Iron & Steel and Metals | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% | 9.00% |
| Electrical & Electronics | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% | 12.00% |
| Ship Building and Ship Breaking | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Petroleum Products including Bottling | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% | 13.00% |
| Pharmaceuticals | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Light Machinery and Equipment & Furniture | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% | 15.00% |

# 15.14. Annexure 14 – Assumption Related to Investment Inflow

**Greenfield Investment Inflow:**

In developing countries, Greenfield investment inflow is 57.85% of total investment inflow.

*Source: http://documents.worldbank.org/curated/en/628261468781753575/110510322_20041117173021/additional/325780wps3192.pdf*

**GDP Share of the Influence area as a proxy of Investment share with respect to the country:**

| District | Total GDP (Estimated 2018) in Mn USD in Current USD |
|---|---|
| Dhaka | 38,821 |
| Manikgonj | 2,384 |
| Narayanganj | 6,835 |
| Bangladesh | 262,512 |
| | **17.8%** |

*Source: http://www.plancomm.gov.bd/wp-content/uploads/2015/02/15_Lagging-Regions-Study.pdf*

**Incremental Capital Investment to Value Addition**

| Industry Sectors | Fixed Asset to Value added ratio | Total Fixed Assets (In BDT Mn)# | Gross Value added (In BDT Mn)# |
|---|---|---|---|
| Textiles and RMG | 0.74 | 1,313,004 | 1,776,485 |
| Food & Beverages | 0.84 | 280,013 | 331,943 |
| Agro based products | 0.45 | 18,756 | 41,308 |
| Leather and Footwear | 1.29 | 45,917 | 35,617 |
| Plastic and Rubber | 0.98 | 26,609 | 27,143 |
| Paper and Packaging | 1.05 | 34,065 | 32,589 |
| Chemicals | 1.40 | 86,299 | 61,505 |
| Non-Metallic Minerals | 0.80 | 92,224 | 229,525 |
| Auto and Automobile Accessories | 0.67 | 38,266 | 56,757 |
| Heavy Machinery, Iron & Steel and Metals | 0.47 | 197,544 | 421,530 |
| Electrical, Electronics and ICT | 0.48 | 57,091 | 117,861 |
| Ship Building and Ship Breaking | 0.63 | 667 | 1,052 |
| Petroleum Products including Bottling | 1.71 | 5,805 | 3,393 |
| Pharmaceuticals | 2.05 | 137,662 | 67,225 |
| Light Machinery and Equipment & Furniture | 0.76 | 37,625 | 49,827 |

*#Estimated till 2019*
*Source: Survey of Manufacturing Industries 2012*

## 15.15. Annexure 15 – Competition Phase Out Plan

| Name of EZs | Location | Area (acres) | Industrial Area (acres) | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dhaka SEZ | Keraniganj | 105 | 84 | 8% | 10% | 10% | 10% | 10% | 10% | 10% | 10% |
| Dhaka Economic Zone | Dohar | 312 | 218 | 8% | 10% | 10% | 10% | 8% | 10% | 9% | 9% |
| Arisha Economic Zone | Keraniganj | 85 | 68 | 8% | 10% | 10% | 10% | 8% | 8% | 9% | 10% |
| Bashundhara Economic Zone | Keraniganj | 56 | 45 | 10% | 20% | 20% | 15% | 15% | 10% | 10% | |
| East-West Special Economic Zone | Keraniganj | 54 | 43 | 15% | 20% | 15% | 15% | 15% | 10% | 10% | |
| City Special Economic Zone | Demra | 116 | 93 | 20% | 10% | 10% | 10% | 10% | 15% | 15% | 10% |
| Narayanganj Economic Zone | Narayanganj | 875 | 569 | 1% | 2% | 3% | 3% | 3% | 5% | 6% | 6% |
| Narayanganj EZ Sonargaon | Sonargaon | 1000 | 650 | 1% | 2% | 3% | 3% | 3% | 3% | 5% | 6% |
| Outward investment/ future competition | | 1171 | 761 | 1% | 2% | 3% | 4% | 3% | 4% | 5% | 8% |

| Name of EZs | Location | Area (acres) | Industrial Area (acres) | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dhaka SEZ | Keraniganj | 105 | 84 | 10% | 12% | | | | | | |
| Dhaka Economic Zone | Dohar | 312 | 218 | 12% | 14% | | | | | | |
| Arisha Economic Zone | Keraniganj | 85 | 68 | 10% | 8% | 9% | | | | | |
| Bashundhara Economic Zone | Keraniganj | 56 | 45 | | | | | | | | |
| East-West Special Economic Zone | Keraniganj | 54 | 43 | | | | | | | | |
| City Special Economic Zone | Demra | 116 | 93 | | | | | | | | |

| Name of EZs | Location | Area (acres) | Industrial Area (acres) | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Narayanganj Economic Zone | Narayanganj | 875 | 569 | 6% | 6% | 12% | 11% | 7% | 9% | 9% | 11% |
| Narayanganj EZ Sonargaon | Sonargaon | 1000 | 650 | 6% | 7% | 9% | 14% | 11% | 15% | 12% | |
| Outward investment/ future competition | | 1171 | 761 | 7% | 9% | 9% | 11% | 14% | 10% | 10% | |

## 15.16. Annexure 16 – Sub-Sector/Product Assessment

| Sector | Sub-sector/product | Regional/EZ overview | Recommendation |
|---|---|---|---|
| **Textile & RMG** | Yarn Weaving | • Proposed EZ is located far away from EXIM gateways, which will make procurement of raw material costly as 98% of the raw material (Cotton) is being imported from China and India | Fabric Manufacturing / Finished garment |
| | Fabric Manufacturing | • Existing strong industrial eco-system in the region assure availability of skilled manpower which is one of the prime requirements of the sector.<br>• Padma river which is located ~15km from the proposed EZ will cater the water demand to fulfill fabric processing requirements. | |
| | Finished Garment | • Nearby region of Dhaka urban agglomeration is hub of RMG manufacturing, skilled manpower is available significantly in the catchment area.<br>• As sector has EXIM dependency in Bangladesh, availability of Infrastructure to support EXIM in region will attract investor to the EZ | |
| | Technical textile | • Highly dependent on backward linkages from Plastic industry, which can be met by industries in western outskirt of Dhaka and Narayanganj<br>• Dhaka being the largest urban agglomeration of the country will provide market for finished goods<br>• As subject site is located in close proximity to Dhaka, availability of technically skilled manpower shall support industries to grow in the EZ. | |
| **Food & Beverage** | Ready to eat (Biscuit, Jam, Chips, processed food, etc.) | • The region is rich in fruits, vegetables and other agricultural produces along with potato and which will ensure uninterrupted supply for raw material for few of the industries.<br>• Access to raw materials and processing units (Presence of Flour mills, Sawmills, Sugar mills, Rice mills, Jute mills and Bakery)<br>• Located in close proximity of Dhaka which is a major consumption hub for the ready to eat products | Ready to eat (Biscuit, Jam, Chips, processed food, etc.) |
| | Tea Processing | • As tea processing plant are placed close to tea producing areas to have better access to raw material. | |

| | | | |
|---|---|---|---|
| | | • Subject site is located far from tea producing areas which makes site unviable for the tea processing industry. | |
| | Beverage Manufacturing | • Water, the basic ingredient for beverage industry can be made available at proposed EZ by developing suitable infrastructure to source surface water from the river Padma<br>• Industries nearby Dhaka city will provide the backward linkage to the sector | |
| | Fishery and seafood | • Aquaculture being practiced in proximity to proposed EZ can provide raw material. (Dhaleshwari and Ichamati Rivers are at a distance of ~1km)<br>• The catchment of the EZ produces approx. ~8% aqua produce which signify the availability of raw material<br>• Dhaka being the largest urban agglomeration of the country shall provide the access to market for finished product | |
| | Dairy Product | • Since this is a milk surplus producing area, located close to major consumption hub of country dairy industry can be setup | |
| **Non-metallic minerals** | Ceramic | • Clay (main ingredient) can be sourced locally from Padma river<br>• Manufacturing of ceramics require application of high temperatures for which gas is an indispensable source of fuel. Gas, power and water connectivity is available in the EZ which will attract investor of the | Ceramic |
| | Cement | • As the country is dependent on import of clinker for cement manufacturing, to reduce the logistics cost the basic prerequisite is to have a waterfront access.<br>• Most of the cement plant are located along riverbanks and have private jetty for efficient handling of raw material which will be not possible in the proposed EZ. | |
| | Glass | • Procurement of raw material will be a challenge<br>• Manufacturing of glass require application of high temperatures for which gas is an indispensable source of fuel. Gas, power and water connectivity is available | |
| **Electrical & Electronic sector** | Electrical equipment manufacturing | • Products from plastic and rubber industries are used as base for production of switches and cables and products from metal-based industries are used for electrical wiring. Hence this industry has a backward linkage from plastic and rubber industry. | Electric equipment manufacturing, Assembly units of Consumer durables, |

| | | | |
|---|---|---|---|
| | Consumer durables such as TV. Refrigerator, AC, and other household appliances | • Skilled labor can be available locally for this industry due to presence of local service centers catering to electrical and electronic items.<br>• Major consumption hub is centered around Dhaka, hence the proposed EZ has good access to markets.<br>• Assembly units for the electric equipment can be prospective sector for the EZ | Assembly unit of computer and smart phone |
| | Computer parts and Smartphone | • Growing demand for this industry and presence of Country's first computer production plant at Gazipur (~60km)<br>• Computer and smartphone part manufacturing requires skilled manpower with IT background, which is lacking in the region. Considering that EZ is located in close proximity of Dhaka backward and forward linkages will support assembly units for computer and smart phones. | |
| **Pharmaceuticals** | Active Pharmaceutical Ingredient | • Dedicated EZ to API has been planned in Munghiganj | Active Pharmaceutical Ingredient |
| | Manufacturing of generic and patented drugs | • Development of API park in Munshiganj acts as a hub for raw material needed in pharmaceutical industry in the proposed EZ<br>• Located close to consumption centre and Dhaka airport which attract export oriented pharma industries | |
| **Leather and Leather products** | Leather processing | • Majority of the tanneries are located in Savar (~40km) area near Dhaka, which eases the supply of raw material to the proposed EZ<br>• Leather processing industry requires specialized ETP, stand-alone tanneries will not be a viable option | Leather products |
| | Finished product (Shoes, purse, belt etc.) | • Port accessibility (Export of finished products via the port)<br>• Availability of skilled labour in the region to produce finished leather products<br>• Savar can provide the backward linkage to the leather product manufacturing industry | |
| **Chemicals** | Fertilizer | • Increased logistics cost due to unavailability of water frontage of EZ, major bulk cargo is transported through IWT in Bangladesh and plants are located along riverside. | Textile processing Chemical, Other chemical |
| | Textile processing chemicals | • Primary auxiliary industry for textiles in terms of dyeing. Existing manufacturers are located in Dhaka | |

| | | | |
|---|---|---|---|
| | | • The availability of backward and forward linkages will support the development of textile processing chemicals | |
| | Other chemicals | • Backward and forward linkage for other chemical industry exist in the region<br>• Industrial agglomeration near Dhaka are good market for chemical industry | |
| **Light Machinery, equipment and Furniture** | Light Machinery | • Proposed EZ is located close to industrial region of Dhaka, Tangail, Savar making it ideal for establishing light engineering industries | Light Machinery and furniture |
| | Equipment Manufacturing | • Requires importing raw material like steel, aluminum plates via Bibirbazar Land Port from India, hence it adds to the additional cost | |
| | Furniture | • Medium and large-scale furniture manufacturing are existing in the regions of Dhaka and Chittagong. | |
| **Plastic and Rubber** | Plastic production | • Raw material requirements of plastic production is through import and from local recycled plastic waste | Rubber product manufacturing, Plastic goods |
| | Plastic product manufacturing | • Limited production capacity due to lack of advanced machinery and meets the domestic consumption only<br>• There is high demand for plastic packaging material in RMG and other sectors which are located close to Dhaka, industry within EZ can cater this demand<br>• Sector can target low technological intensive products such as toy, household goods | |
| | Rubber processing | • Raw material is not available in the region and lack of water frontage of EZ would increase the logistics cost of the bulk raw material | |
| | Rubber product manufacturing | • Acts as intermediary and backward linkages for other sectors such as leather, electric equipment | |

## 15.17. Annexure 17 – Demand Forecasting Calculations

**Cumulative power demand (Conservative) - figures in MVA**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 0.63 | 1.98 | 4.62 | 8.33 | 12.43 | 15.40 | 17.35 | 18.85 | 23.17 | 26.69 | 31.53 |
| Food & Beverages | 0.24 | 0.67 | 1.44 | 2.54 | 3.90 | 4.91 | 5.59 | 6.06 | 7.44 | 8.57 | 10.15 |
| Leather & Leather Products | 0.01 | 0.04 | 0.08 | 0.15 | 0.22 | 0.28 | 0.31 | 0.34 | 0.40 | 0.46 | 0.53 |
| Plastic & Rubber | 0.00 | 0.01 | 0.02 | 0.04 | 0.06 | 0.07 | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 |
| Chemicals | 0.01 | 0.03 | 0.06 | 0.10 | 0.15 | 0.18 | 0.20 | 0.22 | 0.27 | 0.31 | 0.37 |
| Non-Metallic Minerals | 0.08 | 0.24 | 0.52 | 0.92 | 1.40 | 1.77 | 2.01 | 2.21 | 2.80 | 3.29 | 4.00 |
| Electrical and electronics | 0.01 | 0.02 | 0.05 | 0.09 | 0.14 | 0.18 | 0.21 | 0.23 | 0.29 | 0.34 | 0.41 |
| Pharmaceuticals | 0.03 | 0.09 | 0.18 | 0.32 | 0.51 | 0.62 | 0.70 | 0.76 | 0.93 | 1.08 | 1.28 |
| Light Machinery & Equipment | 0.01 | 0.02 | 0.05 | 0.10 | 0.16 | 0.20 | 0.23 | 0.25 | 0.32 | 0.38 | 0.46 |
| **Total** | 1.01 | 3.10 | 7.03 | 12.60 | 18.98 | 23.61 | 26.68 | 29.00 | 35.73 | 41.24 | 48.89 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 35.00 | 42.56 | 51.98 | 61.13 | 61.13 | 61.13 | 61.13 | 61.13 | 61.13 |
| Food & Beverages | 11.29 | 13.80 | 16.95 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 |
| Leather & Leather Products | 0.59 | 0.70 | 0.84 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| Plastic & Rubber | 0.15 | 0.18 | 0.22 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Chemicals | 0.41 | 0.50 | 0.61 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| Non-Metallic Minerals | 4.53 | 5.62 | 7.01 | 8.40 | 8.40 | 8.40 | 8.40 | 8.40 | 8.40 |
| Electrical and electronics | 0.47 | 0.59 | 0.75 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| Pharmaceuticals | 1.43 | 1.76 | 2.18 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 |
| Light Machinery & Equipment | 0.53 | 0.69 | 0.89 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| **Total** | 54.40 | 66.40 | 81.44 | 96.14 | 96.14 | 96.14 | 96.14 | 96.14 | 96.14 |

**Cumulative power demand (Base) - figures in MVA**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 1.43 | 3.95 | 8.10 | 13.47 | 19.07 | 23.67 | 27.38 | 30.78 | 37.15 | 42.88 | 50.11 |
| Food & Beverages | 0.54 | 1.35 | 2.56 | 4.15 | 6.01 | 7.57 | 8.85 | 9.93 | 11.96 | 13.81 | 16.17 |
| Leather & Leather Products | 0.03 | 0.07 | 0.15 | 0.24 | 0.34 | 0.43 | 0.49 | 0.55 | 0.65 | 0.74 | 0.85 |
| Plastic & Rubber | 0.01 | 0.02 | 0.04 | 0.06 | 0.09 | 0.11 | 0.13 | 0.14 | 0.17 | 0.19 | 0.22 |
| Chemicals | 0.02 | 0.06 | 0.10 | 0.16 | 0.23 | 0.28 | 0.33 | 0.36 | 0.44 | 0.50 | 0.59 |
| Non-Metallic Minerals | 0.18 | 0.48 | 0.91 | 1.50 | 2.16 | 2.72 | 3.19 | 3.63 | 4.50 | 5.31 | 6.37 |
| Electrical and electronics | 0.02 | 0.05 | 0.09 | 0.15 | 0.22 | 0.28 | 0.33 | 0.37 | 0.46 | 0.55 | 0.66 |
| Pharmaceuticals | 0.07 | 0.17 | 0.33 | 0.53 | 0.78 | 0.96 | 1.10 | 1.24 | 1.50 | 1.73 | 2.04 |
| Light Machinery & Equipment | 0.02 | 0.04 | 0.09 | 0.16 | 0.24 | 0.30 | 0.35 | 0.40 | 0.51 | 0.60 | 0.74 |

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | 2.32 | 6.19 | 12.37 | 20.42 | 29.15 | 36.32 | 42.15 | 47.41 | 57.33 | 66.31 | 77.73 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 56.16 | 61.85 | 61.85 | 61.85 | 61.85 | 61.85 | 61.85 | 61.85 | 61.85 |
| Food & Beverages | 18.15 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 | 20.04 |
| Leather & Leather Products | 0.94 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| Plastic & Rubber | 0.25 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| Chemicals | 0.66 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| Non-Metallic Minerals | 7.28 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 |
| Electrical and electronics | 0.75 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Pharmaceuticals | 2.30 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 |
| Light Machinery & Equipment | 0.85 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| **Total** | 87.34 | 96.37 | 96.37 | 96.37 | 96.37 | 96.37 | 96.37 | 96.37 | 96.37 |

**Cumulative power demand (Aggressive) - figures in MVA**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 2.29 | 6.03 | 11.78 | 18.90 | 26.10 | 32.42 | 37.99 | 43.40 | 51.94 | 60.02 | 62.36 |
| Food & Beverages | 0.86 | 2.06 | 3.74 | 5.85 | 8.25 | 10.39 | 12.31 | 14.03 | 16.75 | 19.36 | 20.12 |
| Leather & Leather Products | 0.04 | 0.11 | 0.21 | 0.34 | 0.47 | 0.58 | 0.68 | 0.77 | 0.90 | 1.03 | 1.07 |

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Plastic & Rubber | 0.01 | 0.03 | 0.06 | 0.09 | 0.12 | 0.15 | 0.18 | 0.20 | 0.24 | 0.27 | 0.28 |
| Chemicals | 0.03 | 0.09 | 0.15 | 0.23 | 0.32 | 0.39 | 0.45 | 0.52 | 0.61 | 0.71 | 0.74 |
| Non-Metallic Minerals | 0.28 | 0.73 | 1.34 | 2.11 | 2.96 | 3.73 | 4.43 | 5.14 | 6.30 | 7.44 | 7.78 |
| Electrical and electronics | 0.03 | 0.07 | 0.14 | 0.22 | 0.30 | 0.38 | 0.46 | 0.53 | 0.65 | 0.77 | 0.80 |
| Pharmaceuticals | 0.11 | 0.27 | 0.48 | 0.75 | 1.07 | 1.31 | 1.53 | 1.74 | 2.09 | 2.43 | 2.53 |
| Light Machinery & Equipment | 0.03 | 0.07 | 0.13 | 0.22 | 0.33 | 0.41 | 0.49 | 0.57 | 0.71 | 0.85 | 0.89 |
| **Total** | 3.70 | 9.46 | 18.03 | 28.71 | 39.91 | 49.77 | 58.53 | 66.90 | 80.21 | 92.87 | 96.56 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 62.36 | 62.36 | 62.36 | 62.36 | 62.36 | 62.36 | 62.36 | 62.36 | 62.36 |
| Food & Beverages | 20.12 | 20.12 | 20.12 | 20.12 | 20.12 | 20.12 | 20.12 | 20.12 | 20.12 |
| Leather & Leather Products | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| Plastic & Rubber | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| Chemicals | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| Non-Metallic Minerals | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 | 7.78 |
| Electrical and electronics | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| Pharmaceuticals | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 |
| Light Machinery & Equipment | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| **Total** | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 | 96.56 |

**Cumulative water demand (Conservative) - figures in thousand cum/ day (MLD)**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 0.20 | 0.64 | 1.50 | 2.70 | 4.03 | 5.00 | 5.63 | 6.11 | 7.52 | 8.66 | 10.23 |
| Food & Beverages | 0.05 | 0.14 | 0.31 | 0.55 | 0.84 | 1.06 | 1.21 | 1.31 | 1.61 | 1.85 | 2.19 |
| Leather & Leather Products | 0.01 | 0.02 | 0.05 | 0.08 | 0.12 | 0.15 | 0.17 | 0.19 | 0.23 | 0.26 | 0.30 |
| Plastic & Rubber | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 |
| Chemicals | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.12 |
| Non-Metallic Minerals | 0.03 | 0.10 | 0.21 | 0.37 | 0.56 | 0.71 | 0.81 | 0.88 | 1.12 | 1.32 | 1.60 |
| Electrical and electronics | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.11 | 0.13 |
| Pharmaceuticals | 0.01 | 0.04 | 0.08 | 0.13 | 0.21 | 0.26 | 0.29 | 0.31 | 0.39 | 0.45 | 0.53 |
| Light Machinery & Equipment | 0.00 | 0.01 | 0.02 | 0.04 | 0.06 | 0.08 | 0.09 | 0.10 | 0.13 | 0.15 | 0.19 |
| **Total** | 0.32 | 0.97 | 2.21 | 3.96 | 5.96 | 7.41 | 8.37 | 9.10 | 11.21 | 12.95 | 15.36 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 11.35 | 13.80 | 16.86 | 19.83 | 19.83 | 19.83 | 19.83 | 19.83 | 19.83 |
| Food & Beverages | 2.44 | 2.98 | 3.66 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 |
| Leather & Leather Products | 0.33 | 0.39 | 0.47 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| Plastic & Rubber | 0.07 | 0.09 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| Chemicals | 0.13 | 0.16 | 0.20 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Non-Metallic Minerals | 1.81 | 2.25 | 2.80 | 3.36 | 3.36 | 3.36 | 3.36 | 3.36 | 3.36 |
| Electrical and electronics | 0.15 | 0.19 | 0.24 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| Pharmaceuticals | 0.59 | 0.73 | 0.90 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| Light Machinery & Equipment | 0.21 | 0.28 | 0.36 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| **Total** | 17.09 | 20.87 | 25.60 | 30.23 | 30.23 | 30.23 | 30.23 | 30.23 | 30.23 |

**Cumulative water demand (Base) - figures in thousand cum/ day (MLD)**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 0.47 | 1.28 | 2.63 | 4.37 | 6.19 | 7.68 | 8.88 | 9.98 | 12.05 | 13.91 | 16.25 |
| Food & Beverages | 0.12 | 0.29 | 0.55 | 0.90 | 1.30 | 1.64 | 1.91 | 2.15 | 2.59 | 2.99 | 3.50 |
| Leather & Leather Products | 0.02 | 0.04 | 0.08 | 0.13 | 0.19 | 0.24 | 0.28 | 0.31 | 0.36 | 0.41 | 0.47 |
| Plastic & Rubber | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.11 |
| Chemicals | 0.01 | 0.02 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.12 | 0.14 | 0.16 | 0.19 |
| Non-Metallic Minerals | 0.07 | 0.19 | 0.37 | 0.60 | 0.86 | 1.09 | 1.28 | 1.45 | 1.80 | 2.12 | 2.55 |
| Electrical and electronics | 0.01 | 0.02 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.12 | 0.15 | 0.18 | 0.21 |
| Pharmaceuticals | 0.03 | 0.07 | 0.14 | 0.22 | 0.32 | 0.40 | 0.46 | 0.51 | 0.62 | 0.72 | 0.84 |
| Light Machinery & Equipment | 0.01 | 0.02 | 0.04 | 0.06 | 0.10 | 0.12 | 0.14 | 0.16 | 0.20 | 0.24 | 0.29 |
| **Total** | 0.72 | 1.94 | 3.88 | 6.41 | 9.15 | 11.39 | 13.21 | 14.87 | 17.99 | 20.82 | 24.41 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 18.21 | 20.06 | 20.06 | 20.06 | 20.06 | 20.06 | 20.06 | 20.06 | 20.06 |
| Food & Beverages | 3.92 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 | 4.33 |
| Leather & Leather Products | 0.53 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 |
| Plastic & Rubber | 0.12 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| Chemicals | 0.21 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| Non-Metallic Minerals | 2.91 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 |
| Electrical and electronics | 0.24 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| Pharmaceuticals | 0.95 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| Light Machinery & Equipment | 0.34 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| **Total** | 27.44 | 30.28 | 30.28 | 30.28 | 30.28 | 30.28 | 30.28 | 30.28 | 30.28 |

**Cumulative water demand (Aggressive) - figures in thousand cum/ day (MLD)**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 0.74 | 1.96 | 3.82 | 6.13 | 8.47 | 10.52 | 12.32 | 14.08 | 16.85 | 19.46 | 20.22 |
| Food & Beverages | 0.19 | 0.45 | 0.81 | 1.26 | 1.78 | 2.25 | 2.66 | 3.03 | 3.62 | 4.19 | 4.35 |
| Leather & Leather Products | 0.02 | 0.06 | 0.12 | 0.19 | 0.26 | 0.33 | 0.38 | 0.43 | 0.51 | 0.58 | 0.60 |
| Plastic & Rubber | 0.01 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07 | 0.09 | 0.10 | 0.11 | 0.13 | 0.13 |
| Chemicals | 0.01 | 0.03 | 0.05 | 0.08 | 0.10 | 0.13 | 0.15 | 0.17 | 0.20 | 0.23 | 0.24 |
| Non-Metallic Minerals | 0.11 | 0.29 | 0.53 | 0.85 | 1.18 | 1.49 | 1.77 | 2.06 | 2.52 | 2.98 | 3.11 |

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electrical and electronics | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.17 | 0.21 | 0.25 | 0.26 |
| Pharmaceuticals | 0.05 | 0.11 | 0.20 | 0.31 | 0.44 | 0.54 | 0.63 | 0.72 | 0.87 | 1.00 | 1.05 |
| Light Machinery & Equipment | 0.01 | 0.03 | 0.05 | 0.09 | 0.13 | 0.16 | 0.20 | 0.23 | 0.28 | 0.34 | 0.36 |
| **Total** | 1.15 | 2.96 | 5.66 | 9.01 | 12.53 | 15.61 | 18.35 | 20.98 | 25.17 | 29.15 | 30.32 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 |
| Food & Beverages | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 |
| Leather & Leather Products | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| Plastic & Rubber | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| Chemicals | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| Non-Metallic Minerals | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 |
| Electrical and electronics | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| Pharmaceuticals | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| Light Machinery & Equipment | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| **Total** | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 | 30.32 |

**Cumulative employment generation (Conservative) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 481 | 1520 | 3547 | 6396 | 9541 | 11821 | 13319 | 14469 | 17785 | 20484 | 24201 |
| Food & Beverages | 30 | 84 | 180 | 318 | 488 | 614 | 698 | 757 | 930 | 1072 | 1269 |
| Leather & Leather Products | 5 | 16 | 36 | 64 | 97 | 120 | 135 | 145 | 175 | 199 | 231 |
| Plastic & Rubber | 4 | 11 | 23 | 41 | 62 | 77 | 86 | 93 | 112 | 127 | 148 |
| Chemicals | 8 | 25 | 52 | 89 | 131 | 161 | 181 | 197 | 241 | 277 | 327 |
| Non-Metallic Minerals | 372 | 1156 | 2496 | 4452 | 6776 | 8523 | 9713 | 10661 | 13495 | 15887 | 19303 |
| Electrical and electronics | 18 | 47 | 106 | 191 | 293 | 369 | 421 | 462 | 586 | 690 | 839 |
| Pharmaceuticals | 32 | 89 | 188 | 331 | 519 | 636 | 715 | 776 | 957 | 1107 | 1316 |
| Light Machinery & Equipment | 11 | 33 | 78 | 146 | 235 | 294 | 335 | 368 | 471 | 560 | 691 |
| **Total** | 961 | 2981 | 6705 | 12028 | 18140 | 22614 | 25603 | 27929 | 34752 | 40402 | 48326 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 26861 | 32666 | 39894 | 46918 | 46918 | 46918 | 46918 | 46918 | 46918 |
| Food & Beverages | 1411 | 1724 | 2118 | 2504 | 2504 | 2504 | 2504 | 2504 | 2504 |
| Leather & Leather Products | 254 | 303 | 365 | 423 | 423 | 423 | 423 | 423 | 423 |
| Plastic & Rubber | 163 | 195 | 234 | 272 | 272 | 272 | 272 | 272 | 272 |
| Chemicals | 362 | 440 | 536 | 630 | 630 | 630 | 630 | 630 | 630 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Non-Metallic Minerals | 21839 | 27099 | 33829 | 40552 | 40552 | 40552 | 40552 | 40552 | 40552 |
| Electrical and electronics | 950 | 1200 | 1524 | 1849 | 1849 | 1849 | 1849 | 1849 | 1849 |
| Pharmaceuticals | 1470 | 1810 | 2241 | 2668 | 2668 | 2668 | 2668 | 2668 | 2668 |
| Light Machinery & Equipment | 791 | 1023 | 1330 | 1648 | 1648 | 1648 | 1648 | 1648 | 1648 |
| **Total** | 54101 | 66460 | 82071 | 97465 | 97465 | 97465 | 97465 | 97465 | 97465 |

**Cumulative employment generation (Base) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 1101 | 3030 | 6216 | 10335 | 14637 | 18165 | 21012 | 23619 | 28508 | 32906 | 38458 |
| Food & Beverages | 68 | 168 | 320 | 518 | 752 | 946 | 1106 | 1241 | 1495 | 1726 | 2020 |
| Leather & Leather Products | 12 | 32 | 64 | 104 | 148 | 184 | 214 | 237 | 280 | 319 | 367 |
| Plastic & Rubber | 8 | 21 | 41 | 66 | 95 | 118 | 137 | 152 | 180 | 205 | 236 |
| Chemicals | 19 | 51 | 92 | 146 | 203 | 250 | 288 | 323 | 389 | 447 | 522 |
| Non-Metallic Minerals | 850 | 2308 | 4413 | 7242 | 10420 | 13124 | 15386 | 17534 | 21713 | 25610 | 30713 |
| Electrical and electronics | 40 | 96 | 188 | 311 | 450 | 568 | 666 | 760 | 942 | 1112 | 1335 |
| Pharmaceuticals | 74 | 179 | 335 | 542 | 798 | 980 | 1129 | 1269 | 1535 | 1779 | 2092 |
| Light Machinery & Equipment | 25 | 66 | 136 | 235 | 357 | 447 | 525 | 601 | 753 | 899 | 1094 |
| **Total** | 2197 | 5951 | 11804 | 19500 | 27859 | 34783 | 40464 | 45736 | 55795 | 65003 | 76837 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 43099 | 47464 | 47464 | 47464 | 47464 | 47464 | 47464 | 47464 | 47464 |
| Food & Beverages | 2269 | 2504 | 2504 | 2504 | 2504 | 2504 | 2504 | 2504 | 2504 |
| Leather & Leather Products | 407 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 |
| Plastic & Rubber | 262 | 286 | 286 | 286 | 286 | 286 | 286 | 286 | 286 |
| Chemicals | 584 | 642 | 642 | 642 | 642 | 642 | 642 | 642 | 642 |
| Non-Metallic Minerals | 35137 | 39092 | 39092 | 39092 | 39092 | 39092 | 39092 | 39092 | 39092 |
| Electrical and electronics | 1528 | 1716 | 1716 | 1716 | 1716 | 1716 | 1716 | 1716 | 1716 |
| Pharmaceuticals | 2360 | 2615 | 2615 | 2615 | 2615 | 2615 | 2615 | 2615 | 2615 |
| Light Machinery & Equipment | 1268 | 1442 | 1442 | 1442 | 1442 | 1442 | 1442 | 1442 | 1442 |
| **Total** | 86913 | 96206 | 96206 | 96206 | 96206 | 96206 | 96206 | 96206 | 96206 |

**Cumulative employment generation (Aggressive) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 1758 | 4630 | 9042 | 14508 | 20033 | 24884 | 29159 | 33309 | 39864 | 46061 | 47858 |
| Food & Beverages | 108 | 258 | 468 | 731 | 1031 | 1299 | 1539 | 1753 | 2094 | 2419 | 2515 |
| Leather & Leather Products | 19 | 49 | 93 | 147 | 203 | 253 | 297 | 334 | 392 | 446 | 462 |
| Plastic & Rubber | 13 | 32 | 60 | 94 | 130 | 162 | 190 | 214 | 252 | 287 | 297 |
| Chemicals | 30 | 78 | 135 | 206 | 280 | 345 | 402 | 457 | 545 | 628 | 652 |
| Non-Metallic Minerals | 1357 | 3528 | 6443 | 10196 | 14279 | 17996 | 21393 | 24813 | 30415 | 35907 | 37559 |

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electrical and electronics | 64 | 147 | 274 | 438 | 616 | 778 | 926 | 1076 | 1320 | 1560 | 1632 |
| Pharmaceuticals | 117 | 274 | 490 | 765 | 1094 | 1344 | 1569 | 1790 | 2147 | 2491 | 2592 |
| Light Machinery & Equipment | 40 | 101 | 198 | 329 | 485 | 610 | 727 | 848 | 1052 | 1257 | 1320 |
| **Total** | 3507 | 9097 | 17203 | 27413 | 38152 | 47672 | 56202 | 64594 | 78081 | 91055 | 94886 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 47858 | 47858 | 47858 | 47858 | 47858 | 47858 | 47858 | 47858 | 47858 |
| Food & Beverages | 2515 | 2515 | 2515 | 2515 | 2515 | 2515 | 2515 | 2515 | 2515 |
| Leather & Leather Products | 462 | 462 | 462 | 462 | 462 | 462 | 462 | 462 | 462 |
| Plastic & Rubber | 297 | 297 | 297 | 297 | 297 | 297 | 297 | 297 | 297 |
| Chemicals | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 | 652 |
| Non-Metallic Minerals | 37559 | 37559 | 37559 | 37559 | 37559 | 37559 | 37559 | 37559 | 37559 |
| Electrical and electronics | 1632 | 1632 | 1632 | 1632 | 1632 | 1632 | 1632 | 1632 | 1632 |
| Pharmaceuticals | 2592 | 2592 | 2592 | 2592 | 2592 | 2592 | 2592 | 2592 | 2592 |
| Light Machinery & Equipment | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 | 1320 |
| **Total** | 94886 | 94886 | 94886 | 94886 | 94886 | 94886 | 94886 | 94886 | 94886 |

**Cumulative no. of establishments (Conservative) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 2 | 5 | 12 | 23 | 34 | 42 | 47 | 51 | 63 | 72 | 85 |
| Food & Beverages | 1 | 2 | 4 | 7 | 11 | 13 | 15 | 16 | 20 | 23 | 27 |
| Leather & Leather Products | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Plastic & Rubber | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Chemicals | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Non-Metallic Minerals | 0 | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 6 |
| Electrical and electronics | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| Pharmaceuticals | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 9 |
| Light Machinery & Equipment | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| **Total** | 3 | 9 | 20 | 36 | 54 | 68 | 76 | 83 | 102 | 118 | 140 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 95 | 115 | 140 | 165 | 165 | 165 | 165 | 165 | 165 |
| Food & Beverages | 31 | 37 | 46 | 54 | 54 | 54 | 54 | 54 | 54 |
| Leather & Leather Products | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Plastic & Rubber | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Chemicals | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Non-Metallic Minerals | 7 | 9 | 11 | 13 | 13 | 13 | 13 | 13 | 13 |
| Electrical and electronics | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| Pharmaceuticals | 10 | 12 | 15 | 18 | 18 | 18 | 18 | 18 | 18 |
| Light Machinery & Equipment | 4 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| **Total** | 156 | 191 | 234 | 277 | 277 | 277 | 277 | 277 | 277 |

**Cumulative no. of establishments (Base) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 4 | 11 | 22 | 36 | 52 | 64 | 74 | 83 | 100 | 116 | 135 |
| Food & Beverages | 1 | 4 | 7 | 11 | 16 | 20 | 24 | 27 | 32 | 37 | 44 |
| Leather & Leather Products | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 |
| Plastic & Rubber | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Chemicals | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| Non-Metallic Minerals | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
| Electrical and electronics | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 |
| Pharmaceuticals | 0 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 10 | 12 | 14 |
| Light Machinery & Equipment | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 6 |
| **Total** | 7 | 18 | 35 | 58 | 84 | 104 | 121 | 136 | 164 | 190 | 223 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 152 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 |
| Food & Beverages | 49 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Leather & Leather Products | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Plastic & Rubber | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Chemicals | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Non-Metallic Minerals | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| Electrical and electronics | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Pharmaceuticals | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| Light Machinery & Equipment | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| **Total** | 250 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 |

**Cumulative no. of establishments (Aggressive) - figures in nos.**

| Industry | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 6 | 16 | 32 | 51 | 71 | 88 | 103 | 117 | 140 | 162 | 169 |
| Food & Beverages | 2 | 6 | 10 | 16 | 22 | 28 | 33 | 38 | 45 | 52 | 54 |
| Leather & Leather Products | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |
| Plastic & Rubber | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Chemicals | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |
| Non-Metallic Minerals | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 10 | 12 | 12 |
| Electrical and electronics | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| Pharmaceuticals | 1 | 2 | 3 | 5 | 7 | 9 | 11 | 12 | 14 | 17 | 17 |
| Light Machinery & Equipment | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 7 |
| **Total** | 11 | 27 | 52 | 82 | 115 | 143 | 168 | 192 | 230 | 266 | 277 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Textiles & RMG | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| Food & Beverages | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| Leather & Leather Products | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Plastic & Rubber | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Chemicals | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| Industry | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 |
|---|---|---|---|---|---|---|---|---|---|
| Non-Metallic Minerals | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Electrical and electronics | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Pharmaceuticals | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Light Machinery & Equipment | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| **Total** | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 |

## 15.18. Annexure 18 – Logistics cost Assessment

| Attribute | IWT total logistics cost assessment | | |
|---|---|---|---|
| | Dhaka | Chittagong port | Mirsarai port |
| Distance (Km) | 30 | 203 | 193 |
| Fare for 14 ton cargo (BDT) | | | |
| Fare for 2000 ton cargo (BDT) | 600,000 | 1,600,000 | 1,600,000 |
| Fare (BDT/MT/Km) | 10.00 | 3.94 | 4.15 |
| Cost (BDT/MT) | 300 | 800 | 800 |
| No. of times loading and unloading is required | 2 | 1 | 1 |
| Loading and unloading rate (BDT/MT) | 120 | 120 | 120 |
| Total loading unloading cost | 240 | 120 | 120 |
| Last mile distance | 19 | 0 | 0 |
| Fare for 14 ton cargo (BDT) | 9,500 | - | - |
| Last mile logistics cost | 679 | | |
| Total Logistics cost (BDT/MT) | 1,219 | 920 | 920 |
| **Attribute** | **Road transport logistics assessment** | | |
| | Dhaka | Chittagong port | Mirsarai Port |
| Distance (Km) | 39 | 275 | 235 |
| Fare for 14 ton cargo (BDT) | 15,500 | 30,000 | 27,000 |
| Fare for 2000 ton cargo (BDT) | | | |
| Fare (BDT/MT/Km) | 28.39 | 7.79 | 8.21 |
| Cost (BDT/MT) | 1107 | 2143 | 1929 |
| No. of times loading and unloading is required | 1 | 1 | 1 |
| Loading and unloading rate (BDT/MT) | 120 | 120 | 120 |
| Total loading unloading cost | 120 | 120 | 120 |
| Last mile distance | 0 | 0 | 0 |
| Fare for 14 ton cargo (BDT) | - | - | - |
| Last mile logistics cost | | | |
| Total Logistics cost (BDT/MT) | 1,227 | 2,263 | 2,049 |

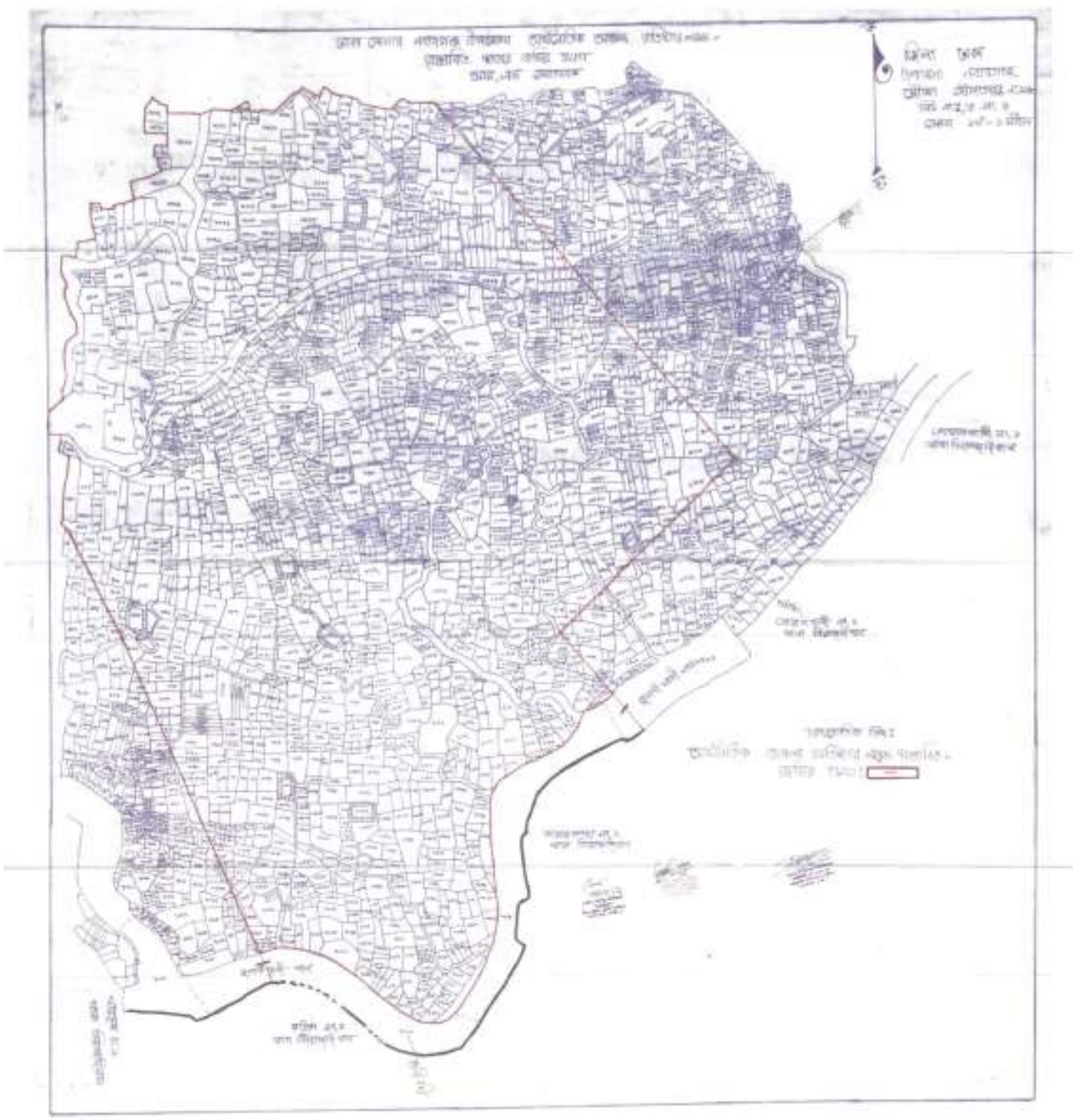
*Note:*

*1. The logistics cost assessment is based on the rates as per market, which factors the trip time as well with the distance.*

*2. Loading and unloading cost is based on the loading and unloading rate for the bulk cargo*

**Market rate may vary depending on the demand supply scenario*

# 15.19. Annexure 19 – Project Boundary shown on Mouza Map



## 15.20. Annexure 20 – Attendees of Public Consultation

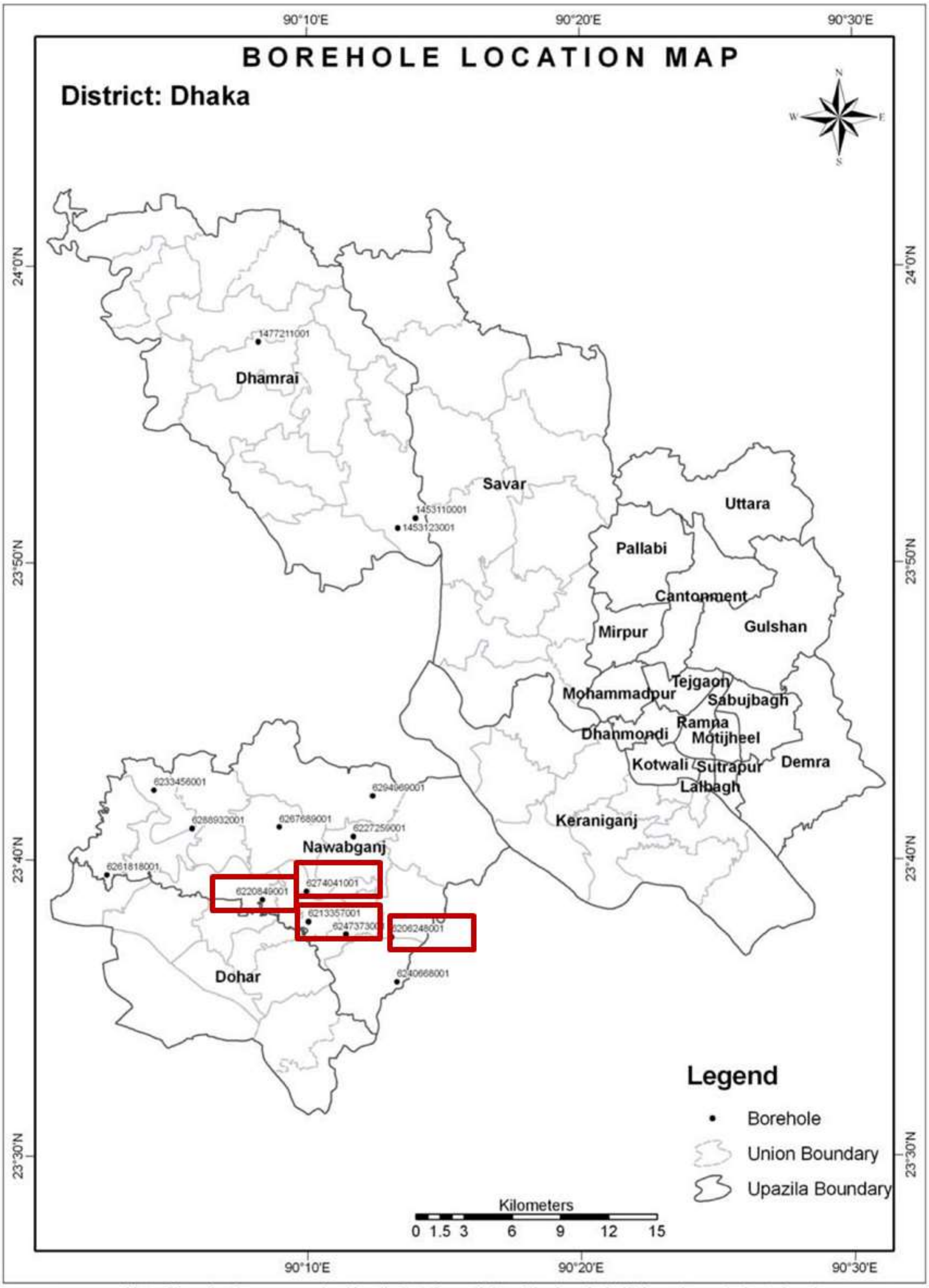
***List of Participants of Farmers and elite Group (Dawlatpur west)***

| SL No | Name of Persons | Contact Details | Date of Consultation |
|---|---|---|---|
| 1 | Mr Jasim Uddin | 01840-172280 | 15 December 2019 |
| 2 | Md Nur Islam | 01863-752934 | 15 December 2019 |
| 3 | Md Fazal Khan | 01951-345899 | 15 December 2019 |
| 4 | Mr Aslam Khan | 01957-679073 | 15 December 2019 |
| 5 | Salim khan | - | 15 December 2019 |
| 6 | Mr Humayun Khan | 0192-3239219 | 15 December 2019 |
| 7 | Md Samsul Alam | 01934-411972 | 15 December 2019 |
| 8 | Shekh Md Ashu | 01981-056778 | 15 December 2019 |
| 9 | Md Atiq Khan | - | 15 December 2019 |
| 10 | Mr Nazrul Islam | 01821-074916 | 15 December 2019 |
| 11 | Mr Tara Miah | 01945-511584 | 15 December 2019 |

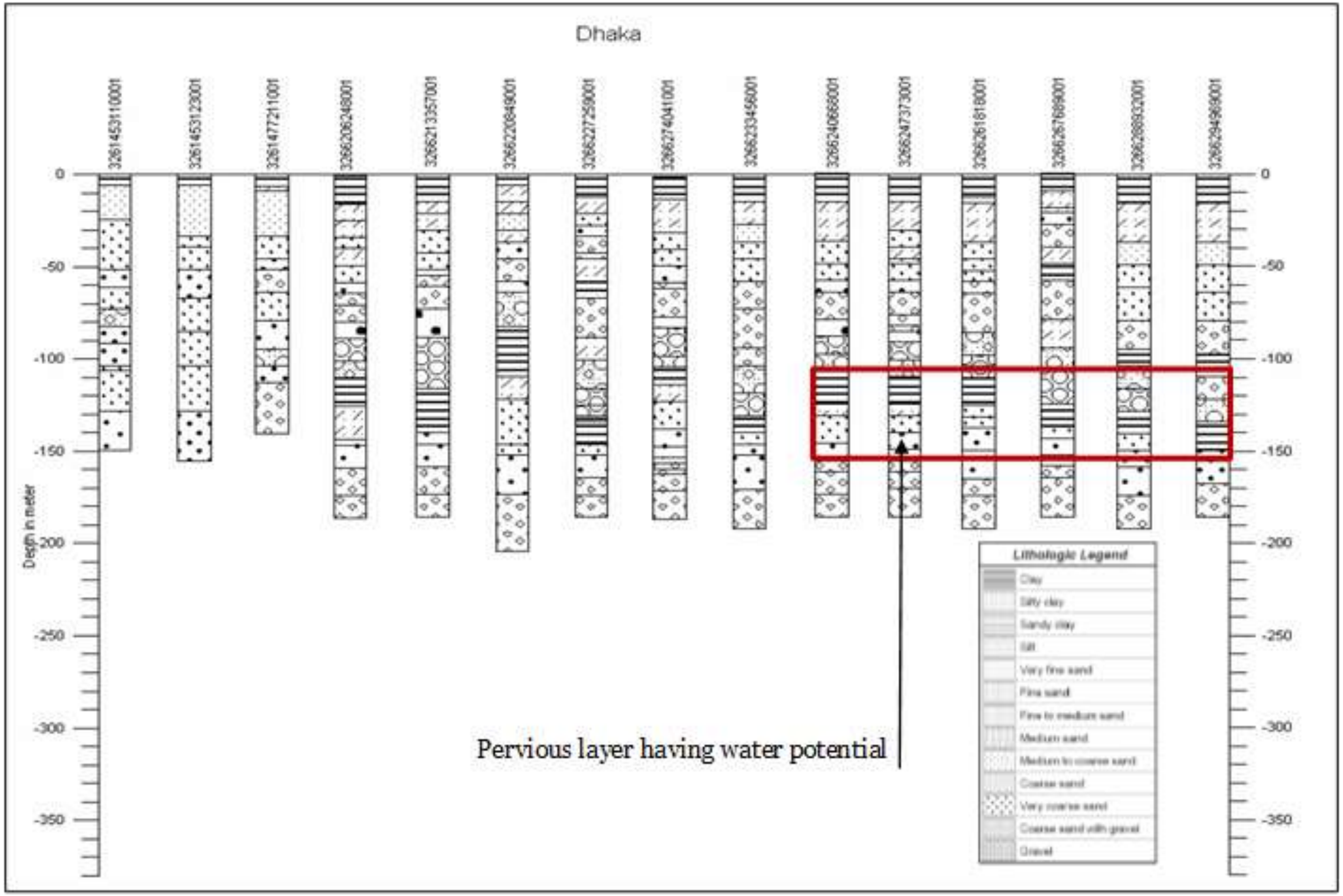
***List of Participants of Youth Group (Dawlatpur East & West)***

| SL No | Name of Persons | Contact Details | Date of Consultation |
|---|---|---|---|
| 1 | Kamruzzaman Khan | 01835-460929 | 15 December 2019 |
| 2 | Saidur Raham (Saif) | 01726-300222 | 15 December 2019 |
| 3 | Mr Rabbi | 01798-595728 | 15 December 2019 |
| 4 | Md Kawsar Ahmed | 01936-763116 | 15 December 2019 |
| 5 | Yamin Hossain | 01876-149591 | 15 December 2019 |
| 6 | Rayhan Khan | 01648-872998 | 15 December 2019 |
| 7 | Imrul Kayes | 01850-136163 | 15 December 2019 |

# 15.21. Annexure 21 – Borewell Information




Note: To make the map reader friendly first three digits of the borehole ID have been deducted and only the remaining 10 digit ID used in the map.




**Bore Well Profile of Project Area – (90.0443, 23.6594), (90.1349 23.4153), (90.1901 ,23.6258) & (90.2211, 23.5990)**

# 15.22. Annexure 22 – Onsite Infrastructure cost estimates

*Table 156: Cost abstract for site development works – Site filling*

| Item. No | BPWD Item. Code | Description | Unit | Total Qty | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| 1 | 2.16 | Site development/improvement by carted earth or dredged sand, sandy silt (free from any organic, foreign, environmental hazardous substances) carried by head or truck or any other means in/c cost of cutting or by dredging of sand, sandy silt, all; in/c local carrying, placing the earth/sand, sandy silt in the designated area, maintaining slopes, breaking lumps, levelling and dressing in layers up to finished level etc. all complete as per direction and accepted by the engineer in charge. | Cum | | | |
| | | | | | | |
| | 02.16.2.2 | By Dredging | Cum | 4244148 | 449.00 | 1,905,622,597.35 |
| | | **Total for Site Development in Tk** | | | | **1,905,622,597.35** |
| | | | | | | |
| **Total Cost in Million Taka** | | | | | | **1,905.62** |

*Table 157: Abstract for site development works – Embankment*

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| 1 | 2.1 | Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. | | | | |
| | 2.1.1 | Layout and marking for earthwork in excavation in foundation accepted by the Engineer. [Plinth area of the structure shall be considered for measurement] | | | | |
| | | Formation for road embankment | Sqm | | | |
| | | | Sqm | **136000.00** | 21.77 | 2,960,720.00 |
| | | | | | | |
| 2 | LGED - 2.02.2 | EFW(AE): Earth filling work with specified soil in any type of embankment including cutting, carrying, filling by throwing earth in layers not more than 150mm in each layer in proper alignment, grade, camber and side slope in all types of soil except rocky, gravelly and slushy including benching not more than 30cm in vertical and 60cm in horizontal steps along the sides while widening any | Cum | | | |

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| | | embankment, etc. all complete as per the direction of E-I-C. Earth shall be arranged by the contractor at his own cost and it will include all necessary lead & lift. Payment will be made on the basis of compacted volume. Note: This item shall be used when the work will be done by contractor | | | | |
| | | Formation for road embankment | Cum | | | |
| | | Embankment | | | | |
| | | | | **176000.00** | 165 | 29,040,000.00 |
| | | | | | | |
| 3 | LGED - 2.03.2 | Mechanical compaction of earthworks in 150mm thick compacted layers by breaking clods to a maximum size of 25mm using wooden drag or ladder and compacting using mechanical equipment, watering or drying to obtain optimum moisture content watering if necessary including the equipment and other tools required to work site, etc. all complete as per direction of the E-I-C. 98% compaction of the maximum dry density is to be obtained by the standard compaction test (Rate is for each layer of 150mm thick). | | | | |
| | | same as filling Qty | Cum | **176000.00** | 77.25 | 13,596,000.00 |
| | | | | | | |
| 4 | 31.31 | Compaction test | | | | |
| | 31.31.1 | Modified proctor | Per test | **30.00** | 1800 | 54,000.00 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 5 | 2.1 | Earth work excavation for Hard stones | | 112,000.00 | 257.50 | 28840000 |
| 6 | 2.10.1 | Sand filling (For cement concrete block) in foundation trenches and plinth with sand | | 10,120.00 | 2860.11 | 28944313.2 |

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| | | having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer. | | | | |
| 7 | 2.11 | 50 mm downgraded picked jhama Khoa consolidation in foundation trenches by mixing the same with best quality local sand (F.M. 1.2) in (2:1) (khoa : sand) proportion to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and spreading in 100mm layers uniformly etc. all complete and accepted by the Engineer. | | 10,120.00 | 5999.40 | 60713928 |
| 8 | 40-280-30 | Supply of stone boulders at site: 30cm to 45cm size | | 45540.00 | 5649.80 | 257291892 |
| | | | | | | |
| 9 | 3385 | Labour charge in laying stone boulders | | 45540.00 | 257.5 | 11726550 |
| 10 | 2.8 | Supply and laying 3 mm thick geo-textile of approved quality and origin /manufacturer as per manufacturer's instructions approved and accepted by the Engineer. Before commencing lying of geo-textile, the contractor must submit the method statement for carrying out this work including sample with evidence of origin and compliance certificate from independent testing laboratory for approval. | | 101200.00 | 146.06 | 14781272 |
| 11 | 40-140 | Manufacturing and supplying C.C. blocks (Block size 50cmx50cmx40cm) in leanest | | 404800.00 | 1547.72 | 626517056 |

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| | | mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm downgraded), to attain a minimum 28 days cylinder strength 'of 25 Mpa including grading, washing stone chips, mixing, laying in forms; consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc complete- including · supply of all materials (steel shutter to be Used) as per direction of Engineer in charge. | | | | |
| 12 | 40-220 | Labour charge for protective works in laying CC blocks of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. | | 45540.00 | 257.5 | 11726550 |
| | | | | | | |
| 13 | 15.7 | **Flush pointing** to CC blocks with cement sand (F.M. 1.2), mortar (1:2) with cement including raking out the joints, and necessary scaffolding curing at least for 7 days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer. (Cement: CEM-11/A-M). Ground floor. | | 87285.00 | 429.16 | 37459230.6 |
| | | | | | | |
| 14 | 40-280-40 | Supplying of local hard rock (Madhyapara) at site: 60cm and above size | | 101200.00 | 429.16 | 43430992 |
| | | | | | | |
| 15 | NTI | Manufacturing and supplying C.C. blocks in leanest mix. 1 :3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm downgraded), to attain a minimum 28 days cylinder strength 'of 9.0· N/mm2 including grading, washing stone chips, mixing, laying | | 116666.67 | 2220.49 | 259057166.7 |

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| | | in forms; consolidation, curing for at least 21 days, including preparation of platform, shutteting and stacking in measurable stacks etc complete- including · supply of all materials (steel shutter to be Used) as per direction of Engineer in charge. | | | | |
| | | block size 100cmx80cmx60cm | | | | |
| | | | | | | |
| 16 | | Labour charge for protective works in laying CC blocks of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. | Cum | 56000.00 | 257.9 | 14442400 |
| | | | | | | |
| | | **Total Cost in Tk** | | | | **1,427,155,799.87** |
| | | | | | **Total Cost in Million Taka** | **1,427.16** |

*Table 158: Cost abstract for internal road network*

| Description | Unit | Quantity | Rate in Taka as per SoR | Amount | Amount in Million Taka |
|---|---|---|---|---|---|
| [RHD-2/1/01] Clearing & grubbing | Sqm | 422669 | 55.00 | 23,246,817.00 | **23.25** |
| Earth work excavation / by mechanical means (Hydraulic Excavator)/ manual means in trenches and over areas for foundations of columns, walls, rafts, beams, steps etc., in all types of soil except hard rock requiring chiseling, blasting but including Existing building foundation dismantling, shoring, strutting, de-watering, refilling in foundations, plinth etc., wherever necessary in layers not exceeding 15cm with approved excavated soil, including watering and compaction etc., Surplus / rejected excavated material shall be disposed off to the contractor's own dump yard outside the work site or as per the requirements of local authorities or as directed by the Engineer-in-charge. - All kinds of soil | Cum | 234978 | 144.00 | 33,836,807.60 | **33.84** |
| [RHD-2/7/02] Preparation of Subgrade | Sqm | 422669 | 40.00 | 16,906,776.00 | **16.91** |
| [RHD-2/8/01] Improved Subgrade (Sand F.M >0.80) | Cum | 56215 | 1099.00 | 61,780,056.40 | **61.78** |
| Supplying and filling in basement with good quality earth and compacting in layers including all materials and labours as required for satisfactory completion of work and as directed. | Cum | 1907.27 | 397.00 | 757,187.80 | **0.76** |
| Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density (Aggregate type 2 as per Bangladesh SoR) | Cum | 67458 | 5363.00 | 361,775,915.50 | **361.78** |

| Description | Unit | Quantity | Rate in Taka as per SoR | Amount | Amount in Million Taka |
|---|---|---|---|---|---|
| Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. (Aggregate type base II as per Bangladesh SoR) | Cum | 67458 | 7384.00 | 498,108,029.10 | **498.11** |
| Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. (Aggregate type base I as per Bangladesh SoR) | Cum | 123673 | 8461.00 | 1,046,393,381.50 | **1046.39** |
| Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base of low porosity such as WBM and WMM including clearing of road surface and spraying primer at the rate of 1.05 kg/sqm using mechanical means. (Bitumen Emulsion = 1.05 kglsqmt.) | Sqm | 224859 | 113.00 | 25,409,086.00 | **25.41** |
| Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.4 kg per sqm on the prepared on granular surface cleaned with mechanical broom such as WBM and WMM surfaces treated with primer and dry and bituminous surface | Sqm | 449718 | 50.00 | 22,485,916.80 | **22.49** |

| Description | Unit | Quantity | Rate in Taka as per SoR | Amount | Amount in Million Taka |
|---|---|---|---|---|---|
| Providing and laying dense graded bituminous macadam 155 mm thick with 40-60 TPH HMPusing crushed aggregates of specified grading, premixed with bituminous binder @ 4.25 percent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction | Cum | 34853 | 22133.00 | 771,405,234.80 | **771.41** |
| Providing and laying bituminous concrete 40mm thick with 40-60 TPH hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.00 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction & specification clause No.509 complete in all respects (Bitumen = 0.109 Metal = 1.36, Cement 0.0469) | Cum | 8994 | 23295.00 | 209,523,772.80 | **209.52** |
| Providing and fixing Pre cast solid concrete kerb stones made out of CC 1 :1.5:3 of size 450 x 200 x 400 mm and finished with CM 1 :3 plastering and finishing cutting etc., complete. | Rm | 34003 | 317.33 | 10,790,404.40 | **10.79** |
| **Total Cost in Million Taka** | | | | | **3082.42** |

*Table 159: Cost abstract for foot path*

| Sl. No | PWD SOR/ 2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | **2.1.5** | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | Cum | 5373 | 217.00 | 1,165,905.68 | **1.17** |
| 2 | **2.15. 4** | Earth filling in foundation trenches and plinth in 150 mm layers with carted earth carried by truck or by any other means including loading and unloading at both ends, leveling, watering and compacting to achieve minimum dry density of 95% with optimum moisture content (modified proctor test) including local carriage each layer up to finished level including cost of water and test (carried from beyond 300 m) etc. all complete and accepted by the Engineer-in-charge | Cum | 5372.84 | 393.00 | 2,111,525.02 | **2.11** |
| 3 | **3.4.1** | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 1590 | 6647.00 | 10,570,375.13 | **10.57** |
| 4 | **7.3.1** | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 30 MPa, satisfying a specified compressive strength f''c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 | Cum | 9909 | 12154.00 | 120,431,859. 05 | **120.43** |

| Sl. No | PWD SOR/ 2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| | | Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | | | | | |
| 5 | **8.1.2** | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | Kg | 1162611 | 82.00 | 95,334,102.0 0 | **95.33** |
| 6 | **30.28** | Supplying, carrying, placing, providing of concrete Kerb stone size 600 mm x 300 mm x 100 mm approved and accepted by the Engineer-in-charge. | Rm | 35819 | 238.00 | 8,524,901.71 | **8.52** |
| 7 | **30.15 .2** | Supplying and placing of approx. 60 mm thick coloured uni-block for paving walk way having compressive strength of 15 N/mm2 on compacted sand bed of 50 mm on stabilized soil base, and filling all interstices with sand, cleaning etc. accepted by the Engineer-in-charge. | Sqm | 35819 | 1276.00 | 45,704,935.2 2 | **45.70** |
| **Total Cost in Million Taka** | | | | | | | **283.84** |

*Table 160: Cost abstract for storm water drain*

| Sl. No | PWD /SOR 2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | 2.1.5 | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | Cum | 34395.86 | 217.00 | 7463901.14 | 7.46 |
| 2 | 3.4.1 | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 7870.46 | 6647.00 | 52314959.86 | 52.31 |
| 3 | 7.2.1 | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having minimum f'cr = 27 MPa, satisfying a specified compressive strength f'c = 22MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement n position; mixing in standard mixer machine with hopper fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement | Cum | 231.79 | 11817.00 | 2739064.50 | 2.74 |

| Sl. No | PWD /SOR 2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| | | and its fabrication, placing, binding etc. and the cost of shuttering & centering) Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | | | | | |
| 4 | 8.1.2 | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | Kg | 4559.63 | 82.00 | 373889.25 | 0.37 |
| 5 | 4.1 | Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints,<br>cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7<br>days etc. all complete including cost of water, electricity and other charges and accepted<br>by the Engineer-in-charge. (Cement: CEM-II/A-M) | Cum | 10648.27 | 6040.00 | 64315530.19 | 64.32 |
| 6 | 7.2.1 | Providing and laying coping and Screed concrete with 1 :2:4 cement concrete, 40 mm thick Sqm 150.09 using broken granite metal of 20mm and down size laid to line and level in one layer and finish with a floating coat of neat cement, including cost of materials, labour, curing, complete as per specifications. | Sqm | 21105.50 | 296.00 | 6247229.14 | 6.25 |
| 7 | 15.1 | Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both<br>inner-and outer surface of wall, finishing the corner and edges including washing of sand,<br>cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and<br>other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor. | Sqm | 74077.18 | 243.00 | 18000755.46 | 18.00 |
| 8 | 937 | Providing Weep holes using 75mm dia PVC pipes for abutments, wing walls, return walls and drain as per drawings and specification including cost of material, labour, complete as per specifications. | Nos | 6295.00 | 133.00 | 837235.00 | 0.84 |

| Sl. No | PWD /SOR 2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 9 | | Providing and laying non pressure NP 2 class ( light duty) RCC pipes with collars jointed with stiff mixture of the cement mortor.. etc | | | | | |
| | 1151 | 300mm dia RCC pipe | Rm | 100.00 | 1895.00 | 189500.00 | 0.19 |
| | MR | 500mm dia RCC pipe | Rm | 44.00 | 2954.00 | 129976.00 | 0.13 |
| 10 | Annexure A 15. (iii) | Providing apron with 50 mm thick cement concrete (1:2:4) with cement, coarse sand and picked jhama chips including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc. all complete, including cost of water, electricity, other charges accepted by the Engineer in charge.(Cement: CEM-II/A-M) | Sqm | 9848.64 | 918.00 | 9041053.12 | 9.04 |
| | | | | | | | |
| **Total Cost in Million Taka** | | | | | | | **161.65** |

*Table 161: Cost abstract for electrical infrastructure related work*

| Remarks/PWD SCHEDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate (BDT) | Total Amount (BDT) | Total Amount in Million BDT |
|---|---|---|---|---|---|---|---|
| REB | Internal 11 kV line | Supply, installation/construction and testing & commissioning work of double circuit 33 kV line. | km | 22.1 | 1400000.00 | 30870000.00 | 30.87 |
| BPDB | 33 kV & 132 kV Line construction | Supply, installation/construction and testing & commissioning work of double circuit 33 kV line. | km | 3.9 | 4000000.00 | 15,440,000.00 | 15.44 |
| BanglCAT | Generator | Supply and installation of a 2 MVA Generator with all accessories. -Integration with existing substation | numbers | 2 | 45,000,000.00 | 90,000,000.00 | 90 |
| PBS-Mirsharai | 33/11kV Sub-station | Supply, installation and testing & commissioning work of a complete 33/11 kV substation. Including construction of control room for 33/11 kV voltage level. | numbers | 2 | 150,000,000.00 | 300,000,000.00 | 300 |
| PGCB | 132/33/11kV Sub-station | Supply, installation and testing & commissioning work of a complete 132/33 kV substation. excluding control room. And integration work with 132/33/11 kV substation. | numbers | 1 | 500,000,000.00 | 500,000,000.00 | 500 |

*Table 162: Cost abstract for street light network*

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| 1 | | Cable work (through PVC pipe) | Underground wiring: Providing & laying of the following XLPE insulated & PVC sheathed cable (N2XY) with PVC insulated green/white coloured ECC wire (BYA) connecting at both ends, through PVC pipe & accessories in the following manner: All electrical contacts shall be of brass/copper connected through connector or soldering ( no twisting shall be allowed) and cables shall be manufactured and tested according to relevant IEC/BDS/ BS/ VDE standards and as per detailed specification mentioned in Annexure-A. The work shall be carried out as per direction/approval/acceptance of the Engineer. *With cable manufactured by M/S BRB/Paradise/Poly/Citizen/BBS/Super sign cables Ltd.* | | | | |
| | | | i) In kutcha ground by cutting 45.70 cm width x 91.40 cm depth trench with necessary brick or tile protection and mending the damages good by refilling trench with proper compaction. | | | | |
| | | | ii) In pucca floor through PVC pipe by cutting trench of necessary size and mending the damages good by brick soling, 75 mm (1:2:4) CC work with neat cement finishing etc. | | | | |
| | | | 1C-2 x 16 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 40 mm having wall thickness of 1.9 mm. | | | | |
| | | | In katcha ground | meter | 12750.00 | 480.00 | 6120000.00 |
| | | | In pucca floor | meter | 5400.00 | 520.00 | 2808000.00 |
| 2 | | Concealed wiring (BYM) | 1C-4 x 25 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 50 mm having wall thickness of 2.59 mm. The work shall be carried out as per direction & approval of the Engineer. | | | | |
| | | | In katcha ground | meter | 6,780.00 | 760.00 | 5,152,800.00 |
| | | | In pucca floor | meter | 1,350.00 | 800.00 | 1,080,000.00 |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| 3 | | STREET LIGHT FITTINGS (LED) | Supply & fixing of LED street light fitting of the following features and model with all necessary elements such as driver, chips etc. complete. Model & sample shall be approved by the Engineer. | | | | |
| | | | (i)GLORIA cat No- GLST. 1205 or equivalent product of ENERGY +, SUNKO, etc.<br>(ii) Rated life : 50,000 hr (minimum)<br>(iii) Luminux flux : 100 + 1m/w<br>(iv) LED chips: EDISON/EPISTOR/OSRAM/PHILIPS/CREE/BRIDGELUX.<br>(v) Driver: MEANWELL / OSRAM / PHILIPS / IEC standard.<br>(vi) Body: Tempered glass pure Aluminium. | | | | |
| | 6.A.8.(iii).(a).1 | | 100 W | each | 1,610.00 | 9,358.00 | 15,066,380.00 |
| | 6.A.8.(iii).(a).2 | | 150 W | each | - | 11,773.00 | |
| 4 | | GI POLE | Providing following seamless hot dip galvanized GI pole fabricated with GI pipe complete with GI sockets, MS. base plate, top cover, necessary welding as required:-The length of the bracket shall be such that the end of light fixture will be 1.5meter (approx.) from the light column. A junction box to be installed at bottom level of the pole fabricated from 2.0mm (min.) mild steel sheet and hot deep galvanized complete with cover including termination unit, circuit breaker and earthing terminal etc. The work shall be completed as per drawing and direction of the Engineer. | | | | |
| | 3.2.3 | | Total length-30'(9m),Bottom-150mm,Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 925 | 24149 | 22337825 |
| | 3.2.4 | | Total length-25'(8m),Bottom-150mm,Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 0 | 19319 | 0 |
| 5 | 10.1(Civil) | Anchor Bolt | Supply and fixing of galvanized anchor bolts of variable dia for rigid frame conforming to ASTM F1554 Grade 55, Galvanized to A153, Class C or equivalent with minimum yield strength of 380 MPa, as per manual of steel construction by American Institute of Steel Construction (AISC) etc. including the cost of washer & bolts, material testing etc. all complete as per | kg | 5155 | 180 | 927900 |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | drawing, specification and direction of the Engineer-in-charge. Length-400mm,Dia -20mm,Bend length-100mm ,Thred length-75mm with Nut ,Washer . | | | | |
| 6 | | FORMWORK (Wooden) | Centering and shuttering, including strutting, propping etc. and removal of form after hardening of the concrete for: | | | | |
| | 07.15.3(Civil) | | Pedestals, column, wall | sqm | 2,964.38 | 429.00 | 1,271,716.88 |
| 7 | 08.1.2(Civil) | Re-Bar work | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | kg | 14920.00 | 82.00 | 1223440 |
| 8 | 02.1.5 (Civil) | Earth work | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | Cum | 2241.88 | 217.00 | 486486.875 |
| 9 | 2.13 (Civil) | Back filling | Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content | Cum | 1530.00 | 149.00 | 227970 |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | (Modified proctor test) including carrying, watering, levelling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by Engineer-in-charge. | | | | |
| 10 | 03.4.1 (Civil) | C.C. Work | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-in-charge.(Cement: CEM-II/A-M) Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 70.13 | 6,647.00 | 466120.875 |
| 11 | 07.3.1(Civil) | RCC work | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 30 MPa, satisfying a specified compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and concrete cylinders as required, cost of all materials and other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) | | | | |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | cum | 500.00 | 12154.00 | 6077000.00 |
| 12 | PWD-EM - ANALYSIS-38 | GI Pipe for light bracket | G.I pipe 50mm dia | meter | 0.00 | 410.00 | 0.00 |
| 13 | | MCB Box | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6") duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required (only front surface of the board will be considered for measurement). (Manufactured by RECO / NASCO / C&S or equivalent product of any other manufacturer) | | | | |
| | 4.9.2 | | With water tight arrangement. | sqm | 5.3200 | 16240.00 | 86396.80 |
| | | DB | Supply & installation of outdoor type distribution board made of epoxy powder coated 14 SWG sheet steel with hinge type double doors having built in flash type locking arrangement, complete with copper bus bars (phases & nentral), copper earthing bars and indicating lamps in conformity to the distribution boards ratings as detailed below. The box shall be double door type i.e. one cover door inside through which knobs of MCB/MCCB's are accessible and no live part shall be accessible to an operator. The rate shall include supply & installation of MCB/MCCB, magnetic contractor (Siemens/Dorman Smith/Schneider/Eaton), photo cell, timer etc. The work shall be complete in all respect as per specifications, drawing and direction of the Engineer-in-Charge. Sufficient gap must be maintained between bus bars and back side of the box. The item also includes the fixing of the cable lugs for distribution cables as per drawing and direction of the Engineer-in-Charge. | | | | |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | Box size : 650mm x 750mm x 150mm, Busbar: 120A SPN & E; Incoming: 63A SP/DP MCB;63A SP/DP Magnetic Contractor; Photo Cell & Timmer; Outgoing: up to 5x 36 A TP MCB (minimum 6 KA) | set | 45.00 | 50000.00 | 2250000.00 |
| | | Auto Controller | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6") duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required. Magnetic contractor -38A (Ith 60A) magnetic contactor -1nos, Thermal over load Relay-24-36A ,Photo cell -2 nos, TPMCB-50A-1 Nos, Internal wiring, Phase indicator, all complete, approved and accepted by the Engineer-in-charge. MCB-2499, MC-12225, OLR-2777, Box 1 sqm-16240. | each | 2.00 | 50,000.00 | |
| 16 | | Earthing | Earthing the electrical installation with 40 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm. dia hole across the pipe at 305 mm. interval securely bonded by soldering with 2 nos. of No-2 SWG HDBC earth leads (at the top of the electrode) with its protection by 20 mm. (3/4") dia G.I. pipe up-to plinth level run at a depth of 609.6 mm (2 ft.) below G.L up-to main board to be earthed including necessary connecting copper sockets, bolts, nuts, etc. complete for maintaining earth resistance within 1 ohm. [Fig : 4.17] | | | | |
| | 4.17 (vi) | | Depth of bottom of main electrode at 37338 mm. (122.5 ft) from GL & length of electrode 36576 mm. (120 ft). | per set | 10.00 | 42,261.00 | 422,610.00 |
| | | Connecting wire | Providing and drawing No.2 SWG HDBC wire through 20mm (3/4") dia G.I. pipe including fitting, fixing the G.I. pipe in wall or column complete as required. | meter | 100.00 | 614.00 | 61,400.00 |
| 17 | 4.18 | Earth Pit | Construction of earthing inspection pit inside measurement 600 mm x 600 mm with 250 mm thick brick in cement mortar (1:4) with 100mm thick RCC top slab (1:2:4) with 1% re- | each | 10.00 | 6,037.00 | 60,370.00 |

| Item no. | Remarks/PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | enforcement 450 mm dia water sealed CI man-hole cover with locking arrangement including necessary earth works, site filling and one brick flat soling 75 mm thick (1:3:6) base concrete for making inlet channel & 12mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of .75 meter. | | | | |
| | | | | for | 18.761 | km | 66,126,416.43 |
| | | | | for | 1.00 | km | 3,524,674.40 |
| | | | proportionately for | for | 20.4 | km | 71,877,854.99 |
| **Total Cost in Million Taka** | | | | | | | **71.88** |

*Table 163: Cost abstract for security light network*

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| 1 | | Cable work (through PVC pipe) | Underground wiring: Providing & laying of the following XLPE insulated & PVC sheathed cable (N2XY) with PVC insulated green/white coloured ECC wire (BYA) connecting at both ends, through PVC pipe & accessories in the following manner: All electrical contacts shall be of brass/copper connected through connector or soldering ( no twisting shall be allowed) and cables shall be manufactured and tested according to relevant IEC/BDS/ BS/ VDE standards and as per detailed specification mentioned in Annexure-A. The work shall be carried out as per direction/approval/acceptance of the Engineer. *With cable manufactured by M/S BRB/Paradise/Poly/Citizen/BBS/Super sign cables Ltd.* | | | | |
| | | | i) In kutcha ground by cutting 45.70 cm width x 91.40 cm depth trench with necessary brick or tile protection and mending the damages good by refilling trench with proper compaction. | | | | |
| | | | ii) In pucca floor through PVC pipe by cutting trench of necessary size and mending the damages good by brick soling, 75 mm (1:2:4) CC work with neat cement finishing etc. | | | | |
| | | | 1C-2 x 16 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 40 mm having wall thickness of 1.9 mm. | | | | |
| | | | In katcha ground | meter | 8000.00 | 1205.00 | 9640000.00 |
| | | | In pucca floor | meter | 500.00 | 1294.00 | 647000.00 |
| 2 | | Concealed wiring (BYM) | 1C-4 x 25 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 50 mm having wall thickness of 2.59 mm. The work shall be carried out as per direction & approval of the Engineer. | | | | |
| | | | In katcha ground | meter | 2,500.00 | 1,844.00 | 4,610,000.00 |

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | In pucca floor | meter | 200.00 | 1,927.00 | 385,400.00 |
| 3 | | SECURITY LIGHT FITTINGS (LED) | Supply & fixing of LED street light fitting of the following features and model with all necessary elements such as driver, chips etc. complete. Model & sample shall be approved by the Engineer . | | | | |
| | | | (i) GLORIAcatNo-GLST.1205 or equivalent product of ENERGY +, SUNKO, etc.<br>(ii) Rated life : 50,000 hr (minimum)<br>(iii) Luminux flux : 100 + 1m/w<br>(iv) LED chips: EDISON/EPISTOR/OSRAM/PHILIPS/CREE/BRIDGELUX.<br>(v) Driver: MEANWELL/OSRAM/PHILIPS/IEC standard.<br>(vi) Body: Tempered glass pure Aluminium. | | | | |
| | 6.A.8.(iii).(a).1 | | 100 W | each | 250.00 | 9,358.00 | 2,339,500.00 |
| | 6.A.8.(iii).(a).2 | | 150 W | each | - | 11,773.00 | |
| 4 | | GI POLE | Providing following seamless hot dip galvanized GI pole fabricated with GI pipe complete with GI sockets, MS. base plate, top cover, necessary welding as required:-The length of the bracket shall be such that the end of light fixture will be 1.5meter (approx.) from the light column. A junction box to be installed at bottom level of the pole fabricated from 2.0mm (min.) mild steel sheet and hot deep galvanized complete with cover including termination unit, circuit breaker and earthing terminal etc. The work shall be completed as per drawing and direction of the Engineer. | | | | |
| | 3.2.3 | | Total length-30'(9m),Bottom-150mm,Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 125 | 24149 | 3018625 |
| | 3.2.4 | | Total length-25'(8m),Bottom-150mm,Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 0 | 19319 | 0 |
| 5 | 10.1(Civil) | Anchor Bolt | Supply and fixing of galvanized anchor bolts of variable dia for rigid frame conforming to ASTM F1554 Grade 55, Galvanized to A153, Class C or | kg | 582 | 180 | 104760 |

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | equivalent with minimum yield strength of 380 MPa, as per manual of steel construction by American Institute of Steel Construction (AISC) etc. including the cost of washer & bolts, material testing etc. all complete as per drawing, specification and direction of the Engineer-in-charge. Langth-400mm, Dia -20mm,Bend length-100mm,Thred length-75mm with Nut ,Washer . | | | | |
| 6 | | FORMWORK (Wooden) | Centering and shuttering, including strutting, propping etc. and removal of form after hardening of the concrete for: | | | | |
| | 07.15.3(Civil) | | Pedestals, column, wall | sqm | 334.80 | 429.00 | 143,629.20 |
| 7 | 08.1.2(Civil) | Re-Bar work | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | kg | 8424.00 | 82.00 | 690768 |
| 8 | 02.1.5 (Civil) | Earth work | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | Cum | 253.20 | 217.00 | 54944.4 |

| Item no. | Remarks /PWD SCHDUL E 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| 9 | 2.13 (Civil) | Back filling | Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including carrying, watering, levelling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by Engineer-in-charge. | Cum | 172.80 | 149.00 | 25747.2 |
| 10 | 03.4.1 (Civil) | C.C. Work | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-in-charge.(Cement: CEM-II/A-M)<br>Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 7.92 | 6,647.00 | 52644.24 |
| 11 | 07.3.1(Civil) | RCC work | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 30 MPa, satisfying a specified compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and concrete cylinders as required, cost of all materials and other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) | | | | |

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | cum | 62.50 | 12154.00 | 759625.00 |
| 12 | PWD-EM - ANALYSIS-38 | GI Pipe for light bracket | G.I pipe 50mm dia | meter | 720.00 | 410.00 | 295200.00 |
| 13 | | MCB Box | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6") duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required (only front surface of the board will be considered for measurement). (Manufactured by RECO / NASCO / C&S or equivalent product of any other manufacturer) | | | | |
| | 4.9.2 | | With water tight arrangement. | sqm | 5.3200 | 16240.00 | 86,396.80 |
| | | DB | Supply & installation of outdoor type distribution board made of epoxy powder coated 14 SWG sheet steel with hinge type double doors having built in flash type locking arrangement, complete with copper bus bars (phases & nentral), copper earthing bars and indicating lamps in conformity to the distribution boards ratings as detailed below. The box shall be double door type i.e. one cover door inside through which knobs of MCB/MCCB's are accessible and no live part shall be accessible to an operator. The rate shall include supply & installation of MCB/MCCB, magnetic contractor (Siemens/Dorman Smith/Schneider/Eaton), photo cell, timer etc. The work shall be complete in all respect as per specifications, drawing and direction of the Engineer-in-Charge. Sufficient gap must be maintained between bus bars and back side of the box. The item also includes the fixing of the cable lugs for distribution cables as per drawing and direction of the Engineer-in-Charge. | | | | |

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | Box size : 650mm x 750mm x 150mm, Busbar: 120A SPN & E;Incoming: 63A SP/DP MCB;63A SP/DP Magnetic Contractor;Photo Cell & Timmer; Outgoing: up to 5x 36 A TP MCB (minimum 6 KA) | set | 4.00 | 50000.00 | 200000.00 |
| | | Auto Controller | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6") duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required. Magnetic contractor -38A (Ith 60A) magnetic contactor -1nos,Tharmal over load Relay-24- 36A ,Photo cell -2 nos, TPMCB-50A-1 Nos, Internal wiring, Phase indicator, all complete, approved and accepted by the Engineer-in-charge. MCB-2499, MC-12225, OLR-2777, Box 1 sqm-16240. | each | 2.00 | 50,000.00 | 100,000.00 |
| 16 | | Earthing | Earthing the electrical installation with 40 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm. dia hole across the pipe at 305 mm. interval securely bonded by soldering with 2 nos. of No-2 SWG HDBC earth leads (at the top of the electrode) with its protection by 20 mm. (3/4") dia G.I. pipe up-to plinth level run at a depth of 609.6 mm (2 ft.) below G.L up-to main board to be earthed including necessary connecting copper sockets, bolts, nuts, etc. complete for maintaining earth resistance within 1 ohm. | | | | |
| | 4.17 (vi) | | Depth of bottom of main electrode at 37338 mm. (122.5 ft) from GL & length of electrode 36576 mm. (120 ft). | per set | 4.00 | 42,261.00 | 169,044.00 |
| | | Connecting wire | Providing and drawing No.2 SWG HDBC wire through 20mm (3/4") dia G.I. pipe including fitting, fixing the G.I. pipe in wall or column complete as required. | meter | 15.00 | 614.00 | 9,210.00 |
| 17 | 4.18 | Earth Pit | Construction of earthing inspection pit inside measurement 600 mm x 600 mm with 250 mm thick brick in cement mortar (1:4) with 100mm thick RCC top slab (1:2:4) with 1% re-enforcement 450 mm dia water sealed CI man-hole cover with locking arrangement including necessary earth works, site filling and one brick flat soling 75 mm thick (1:3:6) base concrete for making | each | 4.00 | 6,037.00 | 24,148.00 |

| Item no. | Remarks /PWD SCHDULE 2018 Item no | Item name | Description of Items | Unit | Quantity | Rate | Total Amount |
|---|---|---|---|---|---|---|---|
| | | | | a | b | c | d=bxc |
| | | | inlet channel & 12mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of .75 meter. | | | | |
| | | | | For | 8.00 | km | 23,356,642 |
| | | | | for | 1.00 | km | 2,919,580.25 |
| | | | proportionately for | For | 8 | km | 23356642 |
| **Total Cost in Million Taka** | | | | | | | **23.36** |

*Table 164: Cost abstract for Water supply network*

| BPWD Item Code | Sl.No | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 02.1.5 | 1 | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.<br>Extra rate for each additional 0.5 meter depth exceeding 1.5 meter. | Cum | 37567 | 237.00 | 8903434.24 | **8.90** |
| 02.16.1.2 | 2 | Site development/improvement by carted earth or dredged sand, sandy silt (free from any organic, foreign, environmental hazardous substances) carried by head or truck or any other means in/c cost of cutting or by dredging of sand, sandy silt, all; in/c local carrying, placing the earth/sand, sandy silt in the designated area, maintaining slopes, breaking lumps, levelling and dressing in layers up to finished level etc. all complete as per direction and accepted by the engineer in charge. | Cum | 3151 | 449.00 | 1414976.36 | **1.41** |
| | 3 | Providing and fixing 3 layer PPR pipes UV stabilized & anti - micro bial fusion welded, having thermal stability for hot & cold water supply, excluding trenching, refilling cost ..etc - External work | | | | | |
| MR | a) | PN - 16 40mm dia pipe | Rm | 1804 | 111.84 | 201765.85 | **0.20** |
| MR | e) | PN - 10 110mm dia pipe | Rm | 24364 | 582.94 | 14202808.63 | **14.20** |
| MR | f) | PN - 10 140mm dia pipe | Rm | 1949 | 1004.90 | 1958545.81 | **1.96** |
| MR | g) | PN - 10 160mm dia pipe | Rm | 1949 | 1224.35 | 2386255.23 | **2.39** |

| BPWD Item Code | Sl.No | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| MR | h) | PN - 10 200mm dia pipe | Rm | 1949 | 1999.63 | 3897274.97 | **3.90** |
| MR | i) | Providing and laying S& Centrifugally cast (spun) / Ductile iron 250mm dia pipes (classK7) | 0 | 1949 | 5304.00 | 10337496.00 | **10.34** |
| MR | j) | Providing and laying S& Centrifugally cast (spun)/ Ductile iron 300mm dia pipes (classK7) | Rm | 1949 | 10123.00 | 19729727.00 | **19.73** |
| MR | k) | Providing and laying S& Centrifugally cast (spun)/ Ductile iron 350mm dia pipes (classK7) | Rm | 975 | 11736.00 | 11442600.00 | **11.44** |
| MR | l) | Providing and laying S& Centrifugally (spun) / Ductile iron 400mm dia pipes (classK7) | Rm | 975 | 13818.00 | 13472550.00 | **13.47** |
| MR | m) | Providing and laying S& Centrifugally Ductile (spun) iron 450mm dia pipes (Class k7) | Rm | 975 | 16037.00 | 15636075.00 | **15.64** |
| MR | n) | Providing and laying S& Centrifugally Ductile (spun) iron 500mm dia pipes (Class k7) | Rm | 975 | 17233.00 | 16802175.00 | **16.80** |
| MR | o) | Providing and laying S& Centrifugally Ductile (spun) iron 600mm dia pipes (Class k7) | Rm | 975 | 20101.00 | 19598475.00 | **19.60** |
| | **4** | Providing and fixing Butterfly valve | | | | | |
| MR | a) | PN - 16 40mm Butterfly valve | Each | 2 | 11115.60 | 22231.20 | **0.02** |
| MR | f) | PN - 16 110mm Butterfly valve | Each | 9 | 17074.80 | 153673.20 | **0.15** |
| MR | g) | PN - 16 160mm Butterfly valve | Each | 1 | 21513.60 | 21513.60 | **0.02** |
| MR | h) | PN - 16 200mm Butterfly valve | Each | 1 | 44820.00 | 44820.00 | **0.04** |

| BPWD Item Code | Sl.No | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| MR | i) | 250mmdia Butterfly valve - Ductile iron | Each | 1 | 57967.20 | 57967.20 | **0.06** |
| MR | o) | PN - 16  110mm Air valve | Each | 42 | 40338.00 | 1694196.00 | **1.69** |
| MR | p) | PN - 16  160mm Air valve | Each | 1 | 40836.00 | 40836.00 | **0.04** |
| MR | q) | PN - 16  200mm Air valve | Each | 1 | 41035.20 | 41035.20 | **0.04** |
| MR | r) | 250mm dia Air valve - Ductile iron | Each | 1 | 42240.00 | 42240.00 | **0.04** |
| MR | s) | 300mm dia Air valve - Ductile iron | Each | 1 | 42480.00 | 42480.00 | **0.04** |
| MR | t) | 350mm dia Air valve - Ductile iron | Each | 1 | 43320.00 | 43320.00 | **0.04** |
| MR | u) | 400mm dia Air valve - Ductile iron | Each | 1 | 45240.00 | 45240.00 | **0.05** |
| MR | v) | 450mm dia Air valve - Ductile iron | Each | 1 | 46068.00 | 46068.00 | **0.05** |
| MR | w) | 500mm dia Air valve - Ductile iron | Each | 1 | 47160.00 | 47160.00 | **0.05** |
| MR | x) | PN - 16 110mm Gate valve | Each | 25 | 8605.20 | 215130.00 | **0.22** |
| MR | y) | PN - 16 160mm Gate valve | Each | 2 | 9852.00 | 19704.00 | **0.02** |

| BPWD Item Code | Sl.No | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| MR | z) | PN - 16 200mm Gate valve | | 2 | 10806.00 | 21612.00 | **0.02** |
| MR | aa) | 250mm dia Gate valve - Ductile iron | Each | 2 | 14760.00 | 29520.00 | **0.03** |
| MR | ab) | 300mm dia Gate valve - Ductile iron | Each | 2 | 17400.00 | 34800.00 | **0.03** |
| MR | ac) | 350mm dia Gate valve - Ductile iron | Each | 1 | 18000.00 | 18000.00 | **0.02** |
| MR | ad) | 400mm dia Gate valve - Ductile iron | Each | 1 | 24000.00 | 24000.00 | **0.02** |
| MR | ae) | 450mm dia Gate valve - Ductile iron | Each | 1 | 28800.00 | 28800.00 | **0.03** |
| MR | af) | 500mm dia Gate valve - Ductile iron | Each | 1 | 32400.00 | 32400.00 | **0.03** |
| MR | 7 | Constructing masonry chamber 120x120x100cm inside, in brickwork in cement mortar 1:4 for sluice valve with CI surface box 100mmm top diameter, 160mm bottom diameter and 180mm deep inside with chain lid and RCC top slab 1:2:4 mix including necessary excavation, foundation .. etc | Each | 21 | 2000.00 | 42000.00 | **0.04** |
| MR | 8 | Constructing masonry chamber 90x90x100cm inside, in brickwork in cement mortar 1:4 for sluice valve with CI surface box 100mmm top diameter, 160mm bottom diameter and 180mm deep inside with chain lid and RCC top slab 1:2:4 mix including necessary excavation, foundation .. etc | Each | 42 | 1800.00 | 75600.00 | **0.08** |
| MR | 9 | Constructing masonry chamber 60x60x75cm inside, in brickwork in cement mortar 1:4 for sluice valve with CI surface box 100mmm top diameter, 160mm bottom diameter and 180mm deep inside with chain lid and RCC top slab 1:2:4 mix including necessary excavation, foundation .. etc | Each | 56 | 1600.00 | 89600.00 | **0.09** |
| | | | | | | | |

| BPWD Item Code | Sl.No | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| | | **Total Cost in Million Taka** | | | | | **144.06** |

*Table 165: Cost abstract for sump & overhead tank*

| Sl. No | BPWD Item Code | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | BPWD rates 2018, Annex - A | Sump - Potable - Processing | Lit | 10164000 | 20.34 | 206,749,088.60 | 206.75 |
| 2 | BPWD rates 2018, Annex - A | OHT - Potable - Processing | Lit | 847000 | 40.95 | 34,681,935.86 | 34.68 |
| 3 | BPWD rates 2018, Annex - A | Sump - Non-Potable - Processing | Lit | 9914000 | 20.34 | 201,663,760.77 | 201.66 |
| 4 | BPWD rates 2018, Annex - A | OHT - Non-Potable - Processing | Lit | 819000 | 40.95 | 33,535,425.58 | 33.54 |
| 5 | BPWD rates 2018, Annex - A | Sump - Potable - Non-Processing | Lit | 55000 | 20.34 | 1,118,772.12 | 1.12 |
| 6 | BPWD rates 2018, Annex - A | OHT - Potable - Non-Processing | Lit | 5000 | 40.95 | 204,733.98 | 0.20 |
| 7 | BPWD rates 2018, Annex - A | Sump - Non-Potable - Non-Processing | Lit | 30000 | 20.34 | 610,239.34 | 0.61 |
| 8 | BPWD rates 2018, Annex - A | OHT - Non-Potable - Non-Processing | Lit | 2000 | 40.95 | 81,893.59 | 0.08 |
| | | | | | | **Total Cost in Million Taka** | **478.65** |

*Table 166: Cost abstract for water distribution pumps*

| Sl. No | BPWD Item Code | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | MR | Potable water pump - Processing | nos | 3.00 | 1054546.00 | 3,163,638.00 | 3.16 |
| 2 | MR | Non-Potable water pump - Processing | nos | 3.00 | 1018182.00 | 3,054,546.00 | 3.05 |
| | | | | | | **Total cost in Million Taka** | **6.22** |

*Table 167: Cost abstract for pump room*

| Sl. No | BPWD Item Code | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | MR | Construction of pump house with 16 m x 8 m area with hand operated crane for lifting the pump as per the specification and design in drawing for potable water - Processing area | Sqm | 128 | 70313.00 | 9,000,064.00 | 9.00 |
| 2 | MR | Construction of pump house with 16 m x 8 m area with hand operated crane for lifting the pump as per the specification and design in drawing for potable water - Non processing area | sqm | 128 | 70313.00 | 9,000,064.00 | 9.00 |
| | | | | | | **Total cost in Million Taka** | **18.00** |

*Table 168: Cost abstract for water treatment plant*

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| 1 | 02.1.5 | Earthwork excavation in all stiff clay, stiff back cotton, hard red earth, shales, murum, gravel, stoney earth and earth mixed with small size boulders and to the required depth including surveying wherever necessary with all leads and lifts for the materials as may be directed except in hard rock requiring blasting but inclusive of shoring strutting and baling out water wherever necessary, depositing the surplus earth in places shown clearing and levelling the site all complete in all respects complying with relevant standard specification and | 237.00 | Cum | 610.40 | 144664.80 | 55.50 | 13153.50 | 27.20 | 6446.40 | 11.00 | 2607.00 | 626.66 | 148517.47 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | including the cost of removing shrubs, logs, roots, jungles if any, providing barricading arrangements and adequate safety measures (including refilling) 0 to 2m depth | | | | | | | | | | | | |
| | | Below 2m depth | 155.25 | Cum | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 6 | 02.15.2 | Refilling in foundation and basement and other similar works with excavated earth in layers of 150mm thickness well-watered rammed and consolidated complying with relevant standard specifications as directed by the Departmental officers. | 497.00 | Cum | | | | | | | 4.00 | 1988.00 | | |
| | | | | | | | | | | | | | | |
| 2 | 02.16.1.2 | Supplying and filling in foundation and basement with sand in layers of 150 mm | 449.00 | Cum | 29.20 | 13110.80 | 2.70 | 1212.30 | 1.10 | 493.90 | 2.52 | 1132.83 | 23.58 | 10586.19 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | thickness well-watered rammed and consolidated complying with relevant standard specifications including cost of sand and as directed by the Engineer in charge. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 8 | 2.11 | 50 mm downgraded picked jhama khoa consolidation in foundation trenches by mixing the same with best quality local sand (F.M. 1.2) in 2:1 (khoa: sand) proportion to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and spreading in 150 mm layers uniformly and compacting etc. all | 4239.00 | Cum | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | complete and accepted by the Engineer-in-charge. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 3 | 03.4.1 | Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | 6647.00 | Cum | 29.20 | 194092.40 | 2.70 | 17946.90 | 1.10 | 7311.70 | 2.00 | 13294.00 | 23.58 | 156718.05 |
| | | | | | | | | | | | | | | |
| 10 | 4.1 | Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge. | 6040.00 | Cum | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | (Cement: CEM-II/A-M) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 12 | | Brick partition wall in cement mortar 1:4 (One of cement and six of sand) 115 mm thick for superstructure In Following Floors using chamber burnt second class stock bricks of size 9"X41/2"X.3" having minimum average crushing strength of 50Kg/sqcm. including labour for fixing the doors, windows and ventilator frames in position fixing of hold fasts scaffolding, curing etc. complete in all respects complying with relevant standard specifications and drawings and as directed by the | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | Departmental Officers. | | | | | | | | | | | | |
| a | | Ground floor | 598.32 | Sqm | | | | | | | | | | |
| #REF! | | In First floor | 607.32 | Sqm | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 4 | 07.4.1 | Reinforced cement concrete works with minimum cement content relates to mix ratio1:1.25:2.5 having minimum f'cr = 40 MPa, satisfying a specified compressive strength f'c =32 MPa at 28 days on standard cylinders as per standard practice of CodeACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa)/ASTM-C 150 Type – I, and adding approved high range water reducing admixture ofcomplying specific type (generally be Type-G) under | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | ASTM-C 494, best quality coarsesand [Sylhet sand or coarse sand of equivalent F.M. 2.2], 20 mm down well gradedcrushed stone chips conforming to ASTM C-33, including screening sand through propersieves, making and placing shutter in position and maintaining true to plumb, makingshutter water-tight properly, placing reinforcement in position; mixing with standard mixermachine with hopper and fed by standard measuring boxes or mixing in batching plant,casting in forms, compacting by vibrator machine and curing at least for 28 days, | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | removingcentering-shuttering after specified time approved; including cost of water, electricity,testing charges of materials and cylinders as required, other charges etc. all complete,approved and accepted by the Engineer-in-charge. (Doses of admixture to be fixed inconsultation with design office) (Rate is excluding the cost of reinforcement and itsfabrication, placing, binding etc, admixture and the cost of shuttering & centering) | | | | | | | | | | | | |
| a | | In foundation and basement upto 1.50 Mt from Ground Level. | 12451.00 | Cum | 341.30 | 4249526.30 | 8.80 | 109568.80 | 2.40 | 29882.40 | 3.00 | 37353.00 | 93.05 | 1158517.25 |
| b | | In Stilt floor | 6062.82 | Cum | 304.56 | 1846493.74 | 10.49 | 63613.53 | 14.23 | 86244.82 | | | 165.85 | 1005513.49 |
| | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| 5 | 07.2.1 | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having minimum f'cr = 27 MPa, satisfying a specified compressive strength f'c = 22 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, | 11817.00 | Cum | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | shuttering & centering) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 6 | | Providing formwork for reinforced cement concrete works using M.S. or plywood shuttering of size 90x60cm and MS 10 gauge stiffened with M.S. angle of size 25mm x 25mm x 3mm for boarding laid over silver oak (C.W.) joist of size 10cm x 6.50cm (spaced about 90cm c/c) and supported by MS pipe supports/wooden props of 10cm to 13 cm dia. (spaced about 75 cm c/c) etc., including strutting up to 3 m height and removing the same after a specified period without damaging the CC works complying with relevant | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | standard specification and as directed by the Engineer in charge | | | | | | | | | | | | |
| | | a) For R.C.C. works in foundation and basement such as grid beam, plinth beam, raft beam, raft slab, column base, column footings, other similar nature of works etc all complete | 450.00 | Sqm | 71.70 | 32265.00 | 6.30 | 2835.00 | 6.80 | 3060.00 | 8.00 | 3600.00 | 39.08 | 17586.64 |
| | | b) For reinforced cement concrete works such as floor and roof slab, lintels, beams staircase waist and landing slab and plane surfaces and other similar works. (0-3 m) | 500.00 | Sqm | 984.95 | 492473.02 | 38.30 | 19149.81 | 42.21 | 21105.00 | | | 54.82 | 27411.24 |
| | | c) For RCC surface of columns and in small quantities such as sunshades, parapet cum drops, window boxing in projections and other similar works. | 550.00 | Sqm | 624.50 | 343475.00 | 41.60 | 22880.00 | 82.80 | 45540.00 | | | 1021.95 | 562072.66 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | | | | | | | | | | | | | |
| 23 | | Supplying, fitting and fixing of aluminium sliding window as per the U.S. Architectural Aluminium Manufacturer's Association (AAMA) standard specification and BDS 1879:2014 having 1.2 mm thick outer bottom (size 75.50 mm, 32mm), 1.2 mm thick outer top (size 75.50 mm, 16.80 mm), 1.2 mm thick shutter top (size 33 mm.26.80, 22 mm), 1.2 mm thick shutter bottom (size 60mm, 24.40 mm), 1.2 mm thick outer side (size 75.50 mm,19.90 mm), 1.2 mm thick shutter lock (size 49.20 mm 26.20 mm) and 1.2 mm thick inter lock (size 34.40 mm, 32.10 mm) sections | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | all aluminium members (total weight kg/sqm) will be anodized to aluminium bronze/silver/ss/black colour with a coat not less than 15 microns in thickness or powder coated to any colour with a coat not less than 25 microns in thickness and density of 4 mg per square cm etc. including all accessories like sliding door key lock, sliding door wheel, sliding door mohair, sliding door neoprene, bolts and nuts including sealants, keeping provision for fitting 5 mm thick glass including labour charge for fitting of accessories, making grooves and mending good damages, carriage, | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | and electricity complete in all respect as per drawing and accepted by the Engineer-in-charge. | | | | | | | | | | | | |
| | | Aluminum clips, handle stoppers and fixing 4mm thick plain glass lock L angles, screws including, conveyance scaffolding if any etc complete. necessary dismantling makes holes in RCC columns, beams, masonry wherever necessary power drill to extent required and made good the original condition after fixing as directed by the departmental officers and complying with relevant standard specification. The alu. surface is to be anodized with matt | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | finish under electrically controlled condition in accordance with ISI specification 1868/1962 for an average anodic film thickness of not less than 15 (fifteen) microns. All the materials should be got approved by the SE before fixing in position. | | | | | | | | | | | | |
| | 14.6 | a) Window | 4146.00 | Sqm | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 8 | 4.25 | 75 mm thick cement concrete (1:3:6) flooring with cement, best quality coarse sand and 19 mm downgraded picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting, washing and screening of sand (F.M 1.2) and curing at least for 7 days etc. | 507.00 | Sqm | | | | | | | | | 214.94 | 108976.53 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| #REF! | | | | | | | | | | | | | | |
| 37 | 6.11 | Supplying, fitting and fixing country made rustic or matt finished stair tiles complying BDS ISO 13006: 2015, water absorption ≤ 0.5%, modulus of rupture (MOR) ≥ 27 N/mm2, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including water, | 1935.00 | Sqm | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEMII/ A-M). In ground floor | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| #REF! | 6.14 | Supplying, fitting and fixing country made floor tiles complying BDS ISO 13006: 2015, water absorption ≤ 0.5%, modulus of rupture (MOR) ≥ 27 N/mm2, irrespective of color &/or design, with adhesives in full thickness of tiles, filler/tiles grout including cutting, shaping, placing in proper level etc. all complete and accepted by the Engineer-in-charge. In ground floor GP mirror polished floor tiles (600 mm x 900 mm) | 2256.00 | Sqm | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | | | | | | | | | | | | | |
| 39 | 6.16 | Supplying, fitting and fixing 20mm to 25mm thick machine made cement pavement tiles having minimum compressive strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M). In ground floor Pavement tiles of | 2481.00 | Cum | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | size 300 mm x 300 mm | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 43 | 07.17.3 | Water-proofing membrane on the floor or on the horizontal surfaces with permanent protective cover & wearing coarse. (Rate is excluding the cost of protective cover and wearing coarse which to be paid as per corresponding items in this schedule) | 908.00 | Sqm | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 9 | 4.3 | Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) in exterior walls including filling the interstices with mortar, raking out joints, cleaning and socking the bricks at least for 24 hours before use and washing of sand, necessary | 6769.00 | Cum | | | 6.00 | 40614.00 | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 250 mm width for one brick length and 375 mm for one brick and a half brick length) accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) In ground floor | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 10 | 06.6.3 | Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of | 1817.00 | Sqm | | | 27.32 | 49633.44 | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEMII/ A-M). In ground floor Wall tiles more than 250 mm x 400 mm & less than or equal to 300 mm x 600 mm in sizes | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 11 | 15.1 | Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other | 243.00 | Sqm | 310.90 | 75548.70 | 7.50 | 1822.50 | 36.80 | 8942.40 | | | 673.21 | 163590.21 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 12 | | Plastering in C.M 1:3 (one of cement OPC 53 grade (Considered 35% of fly ash in replacement of cement) and three of sand) 10 mm thick for bottom of sunshade, ceiling in all floors, including scaffolding, curing, finishing, etc complete in all respects complying with relevant standard specification and as directed by the Engineer in charge (Cement will be supplied free of cost by the Employer at | 197.80 | Sqm | 1014.90 | 200747.22 | 64.90 | 12837.22 | 32.10 | 6349.38 | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | project site; The contractor is to take delivery of the cement from the site. The quote should not include the cost of cement but should include all other items including fly ash) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 13 | 08.1.2 | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| | | and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | | | | | | | | | | | | |
| | | Mild steel bars/RTS bars | 82000.00 | MT | 50.26 | 4121635.28 | 1.70 | 139400.00 | 1.800 | 147600.00 | 0.417 | 34194.00 | 18.452 | 1513095.83 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 75 | 30.15.2 | Supplying and placing of approx. 60 mm thick coloured uni-block for paving walk way having compressive strength of 15 N/mm2 on compacted sand bed of 50 mm on stabilized soil base, and filling all interstices with sand, cleaning etc. accepted by the Engineer-incharge. | 1276.00 | Sqm | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Collection sump | | Aeration tank | | Flash mixer | | Filter Press feed & Back wash return pump | | Clariflocculator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount |
| 76 | 30.3 | Supplying, carrying, placing, providing of concrete Kerb stone size 600 mm x 300 mm x 100 mm approved and accepted by the Engineer-in-charge. | 238.00 | Sqm | | | | | | | | | | |
| | | . | | | | | | | | | | | | |
| #REF! | 26.82.1 | 950 mm x 950 mm x 75 mm R.C.C. pit cover with 450 mm dia C.I. manhole cover. | 2280.00 | Nos | 3.00 | 6840.00 | | | 16.00 | 36480.00 | | | | |
| | | | | | | | | | | | | | | |
| #REF! | | Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and staircase railing including applying a priming coat of approved steel primer. | 316.70 | Rmt | 40.53 | 12835.22 | | | | | | | 51.00 | 16151.70 |
| | | | | | | | | | | | | | | |
| | | Total | | | | 117337.00 | | 494667.00 | | 399456.00 | | 94169.00 | | 4888738.00 |
| | | Total amount in lakhs | | | | 117.337 | | 4.947 | | 3.995 | | 0.942 | | 48.887 |

*Table 169: Cost abstract for water treatment plant (Continuation)*

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| 1 | 02.1.5 | Earthwork excavation in all stiff clay, stiff back cotton, hard red earth, shales, murum, gravel, stoney earth and earth mixed with small size boulders and to the required depth including surveying wherever necessary with all leads and lifts for the materials as may be directed except in hard rock requiring blasting but inclusive of shoring strutting and baling out water wherever necessary, depositing the surplus earth in places shown clearing and levelling | 237.00 | Cum | 282.89 | 67046.06 | | | 66.90 | 15855.30 | 90.50 | 21448.50 | 63.00 | 14931.00 | 1834.05 | 434670.03 |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | the site all complete in all respects complying with relevant standard specification and including the cost of removing shrubs, logs, roots, jungles if any, providing barricading arrangements and adequate safety measures (including refilling) 0 to 2m depth | | | | | | | | | | | | | | |
| | | Below 2m depth | 155.25 | Cum | 77.80 | 12077.84 | | | 49.50 | 7684.88 | | | 50.00 | 7762.50 | 177.30 | 27525.21 |
| | | | | | | | | | | | | | | | | |
| 6 | 02.15.2 | Refilling in foundation and basement and other similar works with excavated earth in layers of 150mm thickness well-watered rammed and consolidated complying with relevant standard | 497.00 | Cum | | | | | | | | | 52.00 | 25844.00 | 56.00 | 27832.00 |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | specifications as directed by the Departmental officers. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 2 | 02.16.1.2 | Supplying and filling in foundation and basement with sand in layers of 150 mm thickness well-watered rammed and consolidated complying with relevant standard specifications including cost of sand and as directed by the Engineer in charge. | 449.00 | Cum | 10.06 | 4518.86 | | | 2.20 | 987.80 | 18.10 | 8126.90 | 5.00 | 2245.00 | 94.46 | 42414.58 |
| | | | | | | | | | | | | | | | | |
| 8 | 2.11 | 50 mm downgraded picked jhama khoa consolidation in foundation trenches by mixing the same with best quality local sand (F.M. 1.2) in 2:1 (khoa: sand) | 4239.00 | Cum | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | proportion to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and spreading in 150 mm layers uniformly and compacting etc. all complete and accepted by the Engineer-in-charge. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 3 | 03.4.1 | Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | 6647.00 | Cum | 10.06 | 66897.27 | | | 2.20 | 14623.40 | 18.10 | 120310.70 | 4.00 | 26588.00 | 92.94 | 617782.42 |
| | | | | | | | | | | | | | | | | |
| 10 | 4.1 | Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and | 6040.00 | Cum | | | | | | | | | | | | |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 12 | | Brick partition wall in cement mortar 1:4 (One of cement and six of sand) 115 mm thick for superstructure In Following Floors using chamber burnt second class | | | | | | | | | | | | | | |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | stock bricks of size 9"X41/2"X.3" having minimum average crushing strength of 50Kg/sqcm. including labour for fixing the doors, windows and ventilator frames in position fixing of hold fasts scaffolding, curing etc. complete in all respects complying with relevant standard specifications and drawings and as directed by the Departmental Officers. | | | | | | | | | | | | | | |
| a | | Ground floor | 598.32 | Sqm | | | | | | | | | | | | |
| #REF! | | In First floor | 607.32 | Sqm | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 4 | 07.4.1 | Reinforced cement concrete works with minimum | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | cement content relates to mix ratio1:1.25:2.5 having minimum f'cr = 40 MPa, satisfying a specified compressive strength f'c =32 MPa at 28 days on standard cylinders as per standard practice of CodeACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa)/ASTM-C 150 Type – I, and adding approved high range water reducing admixture ofcomplying specific type (generally be Type-G) under ASTM-C 494, best quality coarsesand [Sylhet sand or coarse sand of | | | | | | | | | | | | | | |

| S. No . | Refere nce - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amo unt | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | equivalent F.M. 2.2], 20 mm down well gradedcrushed stone chips conforming to ASTM C-33, including screening sand through propersieves, making and placing shutter in position and maintaining true to plumb, makingshutter water-tight properly, placing reinforcement in position; mixing with standard mixermachine with hopper and fed by standard measuring boxes or mixing in batching plant,casting in forms, compacting by vibrator machine and curing at least for 28 days, | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | removingcentering-shuttering after specified time approved; including cost of water, electricity,testing charges of materials and cylinders as required, other charges etc. all complete,approved and accepted by the Engineer-in-charge. (Doses of admixture to be fixed inconsultation with design office) (Rate is excluding the cost of reinforcement and itsfabrication, placing, binding etc, admixture and the cost of shuttering & centering) | | | | | | | | | | | | | | |
| a | | In foundation and basement upto 1.50 Mt from Ground Level. | 12451.00 | Cum | 125.13 | | | | 6.70 | 83421.70 | | | 16.00 | 199216.00 | 596.38 | 7425472.42 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| b | | In Stilt floor | 6062.82 | Cum | | | | | 15.00 | 90942.29 | | | | | 510.13 | 3092807.87 |
| | | | | | | | | | | | | | | | | |
| 5 | 07.2.1 | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having minimum f'cr = 27 MPa, satisfying a specified compressive strength f'c = 22 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded | 11817.00 | Cum | | | | | | | 70.20 | 829553.40 | | | 70.20 | 829553.40 |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | stone chips conforming to ASTM C-33, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) | | | | | | | | | | | | | | |
| | | | . | | | | | | | | | | | | | |
| 6 | | Providing formwork for reinforced cement concrete works using M.S. or plywood shuttering of size 90x60cm and MS 10 gauge stiffened with M.S. angle of size 25mm x 25mm x 3mm for boarding laid over silver | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | oak (C.W.) joist of size 10cm x 6.50cm (spaced about 90cm c/c) and supported by MS pipe supports/wooden props of 10cm to 13 cm dia. (spaced about 75 cm c/c) etc., including strutting up to 3 m height and removing the same after a specified period without damaging the CC works complying with relevant standard specification and as directed by the Engineer in charge | | | | | | | | | | | | | | |
| | | a) For R.C.C. works in foundation and basement such as grid beam, plinth beam, raft beam, raft slab, column base, column | 450.00 | Sqm | 16.99 | 7646.79 | | | 6.40 | 2880.00 | 21.20 | 9540.00 | 95.00 | 42750.00 | 271.47 | 122163.43 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | footings, other similar nature of works etc all complete | | | | | | | | | | | | | | |
| | | b) For reinforced cement concrete works such as floor and roof slab, lintels, beams staircase waist and landing slab and plane surfaces and other similar works. (0-3 m) | 500.00 | Sqm | | | | | | | | | | | 1120.28 | 560139.07 |
| | | c) For RCC surface of columns and in small quantities such as sunshades, parapet cum drops, window boxing in projections and other similar works. | 550.00 | Sqm | 222.27 | 122250.68 | | | 126.90 | 69795.00 | | | | | 2120.02 | 1166013.34 |
| | | | | | | | | | | | | | | | | |
| 23 | | Supplying, fitting and fixing of aluminium sliding window as per the U.S. Architectural Aluminium Manufacturer' | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | s Association (AAMA) standard specification and BDS 1879:2014 having 1.2 mm thick outer bottom (size 75.50 mm, 32mm), 1.2 mm thick outer top (size 75.50 mm, 16.80 mm), 1.2 mm thick shutter top (size 33 mm.26.80, 22 mm), 1.2 mm thick shutter bottom (size 60mm, 24.40 mm), 1.2 mm thick outer side (size 75.50 mm,19.90 mm), 1.2 mm thick shutter lock (size 49.20 mm 26.20 mm) and 1.2 mm thick inter lock (size 34.40 mm, 32.10 mm) sections all aluminium members (total weight kg/sqm) will be | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | anodized to aluminium bronze/silver/ ss/black colour with a coat not less than 15 microns in thickness or powder coated to any colour with a coat not less than 25 microns in thickness and density of 4 mg per square cm etc. including all accessories like sliding door key lock, sliding door wheel, sliding door mohair, sliding door neoprene, bolts and nuts including sealants, keeping provision for fitting 5 mm thick glass including labour charge for fitting of accessories, making grooves and | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | mending good damages, carriage, and electricity complete in all respect as per drawing and accepted by the Engineer-in-charge. | | | | | | | | | | | | | | |
| | | Aluminum clips, handle stoppers and fixing 4mm thick plain glass lock L angles, screws including, conveyance scaffolding if any etc complete. necessary dismantling makes holes in RCC columns, beams, masonry wherever necessary power drill to extent required and made good the original condition after fixing as directed by the departmental officers and | | | | | | | | | | | | | | |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | complying with relevant standard specification. The alu. surface is to be anodized with matt finish under electrically controlled condition in accordance with ISI specification 1868/1962 for an average anodic film thickness of not less than 15 (fifteen) microns. All the materials should be got approved by the SE before fixing in position. | | | | | | | | | | | | | | |
| | 14.6 | a) Window | 4146.00 | Sqm | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 8 | 4.25 | 75 mm thick cement concrete (1:3:6) flooring with cement, best quality coarse sand and 19 mm downgraded | 507.00 | Sqm | 83.65 | 42408.92 | | | 8.00 | 4056.00 | | | 13.00 | 6591.00 | 319.59 | 162032.45 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting, washing and screening of sand (F.M 1.2) and curing at least for 7 days etc. including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| #REF! | | | | | | | | | | | | | | | | |
| 37 | 6.11 | Supplying, fitting and fixing country made rustic or matt finished stair tiles complying BDS ISO 13006: 2015, water absorption ≤ 0.5%, modulus of rupture | 1935.00 | Sqm | | | | | | | | | | | | |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | (MOR) ≥ 27 N/mm2, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEMII/ A-M). In ground floor | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| #REF! | 6.14 | Supplying, fitting and fixing country made floor tiles complying BDS ISO 13006: 2015, water | 2256.00 | Sqm | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | absorption ≤ 0.5%, modulus of rupture (MOR) ≥ 27 N/mm2, irrespective of color &/or design, with adhesives in full thickness of tiles, filler/tiles grout including cutting, shaping, placing in proper level etc. all complete and accepted by the Engineer-in-charge. In ground floor GP mirror polished floor tiles (600 mm x 900 mm) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 39 | 6.16 | Supplying, fitting and fixing 20mm to 25mm thick machine made cement pavement tiles having minimum compressive | 2481.00 | Cum | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M). In ground floor Pavement tiles of size 300 mm x 300 mm | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 43 | 07.17.3 | Water-proofing membrane on the floor or on | 908.00 | Sqm | | | | | | | | | | | | |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | the horizontal surfaces with permanent protective cover & wearing coarse. (Rate is excluding the cost of protective cover and wearing coarse which to be paid as per corresponding items in this schedule) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 9 | 4.3 | Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) in exterior walls including filling the interstices with mortar, raking out joints, cleaning and socking the bricks at least for 24 hours before use and washing of sand, necessary scaffolding, | 6769.00 | Cum | | | | | | | | | | | 6.00 | 40614.00 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 250 mm width for one brick length and 375 mm for one brick and a half brick length) accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) In ground floor | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 10 | 06.6.3 | Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the | 1817.00 | Sqm | | | | | | | | | | | 27.32 | 49633.44 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEMII/ A-M). In ground floor Wall tiles more than 250 mm x 400 mm & less than or equal to 300 mm x 600 mm in sizes | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 11 | 15.1 | Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and | 243.00 | Sqm | 194.78 | 47332.46 | | | 134.90 | 32780.70 | | | 90.00 | 21870.00 | 1448.09 | 351886.96 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 12 | | Plastering in C.M 1:3 (one of cement OPC 53 grade (Considered 35% of fly ash in replacement of cement) and three of sand) 10 mm thick for bottom of sunshade, ceiling in all floors, including scaffolding, | 197.80 | Sqm | | | | | | | | | | | 1111.90 | 219933.82 |

| S. No . | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | curing, finishing, etc complete in all respects complying with relevant standard specification and as directed by the Engineer in charge (Cement will be supplied free of cost by the Employer at project site; The contractor is to take delivery of the cement from the site. The quote should not include the cost of cement but should include all other items including fly ash) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 13 | 08.1.2 | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | | | | | | | | | | | | | | |
| | | Mild steel bars/RTS bars | 82000.00 | MT | 12.177 | 998487.24 | | | 1.400 | 114800.00 | | | 3.00 | 246000.00 | 89.21 | 7315212.34 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | | | | | | | | | | | | | | | |
| 75 | 30.15.2 | Supplying and placing of approx. 60 mm thick coloured uni-block for paving walk way having compressive strength of 15 N/mm2 on compacted sand bed of 50 mm on stabilized soil base, and filling all interstices with sand, cleaning etc. accepted by the Engineer-incharge. | 1276.00 | Sqm | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 76 | 30.3 | Supplying, carrying, placing, providing of concrete Kerb stone size 600 mm x 300 mm x 100 mm approved and accepted by the Engineer-in-charge. | 238.00 | Sqm | | | | | | | | | | | | |
| | | . | | | | | | | | | | | | | | |
| | 26.82.1 | 950 mm x 950 mm x 75 mm | 2280.00 | Nos | 3.00 | 6840.00 | | | | | | | | | 22.00 | 50160.00 |

| S. No. | Reference - BPWD 2018 | Description of work | Rate | Unit | Filter feed tank | | Valve sump | | Sludge & Valve sump | | Filter platform | | Back wash sump | | Total Qty | Amount |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | Qty | Amount | | |
| | | R.C.C. pit cover with 450 mm dia C.I. manhole cover. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and staircase railing including applying a priming coat of approved steel primer. | 316.70 | Rmt | | | | | | | | | | | 91.53 | 28986.92 |
| | | | | | | | | | | | | | | | | |
| | | **Total** | | | | **293350.0** | | | | **437828.00** | | **988980.00** | | **593798.00** | | **22564834.00** |
| | | **Total amount in lakhs** | | | | **29.335** | | | | **4.378** | | **9.890** | | **5.938** | | **225.648** |

*Table 170: Cost abstract - WTP*

| S. No. | Description | Amount | Amount in Million Taka |
|---|---|---|---|
| 1 | Collection sump | 11,733,708 | 11.73 |
| 2 | Aeration tank | 494,667 | 0.49 |
| 3 | Flash mixer & Spillter Box | 399,456 | 0.40 |
| 4 | Clariflocculator | 4,888,738 | 4.89 |
| 5 | Filter feed tank | 2,933,494 | 2.93 |
| 6 | Sludge sump | 437,828 | 0.44 |
| 7 | Filter platform | 988,980 | 0.99 |
| 8 | Air blower /MCC control room | 4,884,836 | 4.88 |
| 9 | Chemical storage house | 900,749 | 0.90 |
| 10 | Filter Press house | 2,962,088 | 2.96 |
| 11 | Building-Internal electrification | 614,910 | 0.61 |
| 12 | Electro mechanical cost | 12,744,354 | 12.74 |
| 13 | Back wash drain collection sump | 593,798 | 0.59 |
| 14 | Filter press drain water return pump platform | 94,169 | 0.09 |
| **Total** | | **44,577,606** | **44.67** |
| 15 | **WTP Infrastructure cost (10%)** | | 4.47 |
| | | **Total cost in Lakhs** | **49.14** |
| | WTP capacity | 2.5 | MLD |
| | | Cost per MLD | 19.66 |
| | | Cost escalation | 4% |
| | | cost per MLD in Million Taka | 20.383 |
| | | **Total cost for 10 MLD in Million Taka** | **208.30** |

*Table 171: Cost abstract for fire hydrant*

| S. No | Reference - | Description | Unit rate (USD) | Quantity | Amount (USD) |
|---|---|---|---|---|---|
| 1 | MR | Supply and fixing of Fire Hydrant (From the non-potable water main line), Dry Pillar Type, 100mm Dia High Barrel Depth and angle inlet Made of Ductile Iron, (1200 mm Bury Length), with One Pumper Connection 4" BSP Threaded and Outlet with two nos. of 2.5" BSP Aluminium couplings, Rated Pressure 16 Bar, BS EN14384, LPCB Approved, complete as per direction of Engineer in Charge. | 432 | 1 | 432 |
| 2 | MR | Supply and fixing of Valve-Gate, Resilient Wedge OS&Y. 4" Size, Flanged X Flanged Type WP 300 PSI, FM/UL Approved, complete as per direction of Engineer in Charge. | 112.75 | 1 | 112.75 |
| 3 | MR | Supply and fixing of Standard Hydrant Cabinet, Self-Standing Type, Standard Accessories, Made of Full 1mm Mild Steel Red Painted, Size (800x1000x250x600Leg). Hose Synthetic Single Jacket 2.5" x 30 Mtrs. with Morris Std. Aluminium Anodized Coupling, 200psi Working Pressure, Red Color, UL Listed , BRANCH -2 Nos.(FOG NOZZLE) 2.5” MALE BS336 BRASS JET & SPRAY UL LISTED, Axe with wood/plastic handle size small -1 No, for hydrant cabinet,<br>-1 No. Hydrant Universal Spanner<br>-1 No. Key for Hydrant, Chrome Plated Handle | 334.5 | 1 | 334.5 |
| | | | | Unit rate in USD | 879.25 |
| | | | | Unit rate in in BDT | 73857 |

| Description | Unit -Nos | Unit rate in Taka | Rate in Taka | Amount in million Taka |
|---|---|---|---|---|
| Fire hydrant | 136.00 | 73857 | 10044552 | **10.04** |

*Table 172: Cost abstract for Effluent network*

| Sl. No. | BPWD Item Code | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | 02.1.5 | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Extra rate for each additional 0.5 meter depth exceeding 1.5 meter. | Cum | 62712.09 | 237.00 | 14862764.15 | 14.86 |
| 2 | MR | Constructing brick masonry circular manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 inside cement plaster 12mm thick in cement mortar 1:3 foundation concrete 1:3:6 mix and making .etc | Each | 227.00 | 2371.00 | 538217.00 | 0.54 |
| 3 | MR | Constructing brick masonry circular manhole 1.22m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 inside cement plaster 12mm thick in cement mortar 1:3 foundation concrete 1:3:6 mix and making .etc | Each | 292.00 | 2534.00 | 739928.00 | 0.74 |
| c) | MR | Effluent pipe - RCC hume pipe 150mm dia | Rm | 6822 | 795.60 | 5427583.20 | 5.43 |
| d) | MR | Effluent pipe - RCC hume pipe 200mm dia | Rm | 4873 | 1216.80 | 5929466.40 | 5.93 |
| f) | MR | Effluent pipe - RCC hume pipe 300mm dia | Rm | 3898 | 1761.50 | 6866327.00 | 6.87 |
| | MR | Providing, laying and jointing of pipe approved material and brand for plot connection including construction of manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 inside cement plaster 12mm thick in cement mortar 1:3 foundation concrete 1:3:6 mix and making ..etc transporting to the spot, handling, lifting, etc all including jointing of pipes as per standard, testing, ancillary materials, labour all complete and as directed by the engineer-in-charge | Each | 427 | 5500.00 | 2348500.00 | 2.35 |
| **Total Cost in Million Taka** | | | | | | | **47.23** |

*Table 173: Cost abstract for effluent treatment plant (ETP)*

| S. No. | Particulars | Estimated Cost in BDT |
|---|---|---|
| 1 | Intake Tank, Raw Effluent Tank, Pump House | 3749662.3 |
| 2 | Elevated Receiving Chamber, Platform for Grit Dewatering, Grit Pump | 672162.19 |
| 3 | Grit Removal-Cum-Oil & Grease Skim, Flow Measure. Channel | 834782.73 |
| 4 | Equalization Tank ,Flash Mixing Tanks- 1&2 | 4143588.18 |
| 5 | Panel Room-1 | 864031.59 |
| 6 | Panel Room-2 | 864031.59 |
| 7 | Aeration Tank, Return Sludge Pump Tank | 13207026.68 |
| 8 | Housing For Twin Lobe Air Blowers | 1140294.13 |
| 9 | Housing for Chlorine Tonners | 579637.64 |
| 10 | Shed For Chlorinators | 962683.63 |
| 11 | Workshop Cum Store | 936351.88 |
| 12 | Sludge Pump Room | 1221141.09 |
| 13 | WET CHEMICAL SLUDGE, BIO SLUDGE TANK | 863451.35 |
| 14 | Pump House (PH - 2) | 1050479.1 |
| 15 | Primary & Secondary Clarifier | 3982983.39 |
| 16 | Dry Sludge Storage Shed | 1517329.11 |
| 17 | Chlorine Contact Tank & Filter Feed Water Tank | 5886528.67 |
| 18 | Platform For Volute Press & Centrifuge, ASF & PSF | 437871 |
| 19 | G.A Of Chemical House | 2460907.88 |
| 20 | Security Room | 631512.91 |
| 21 | PLC Room | 1144413.64 |
| 22 | Office Building | 4615244.16 |
| **Total (Civil Works)** | | **51766114.84** |
| | **Total civil works cost in Million Taka** | **51.77** |

| S. No. | Description | Cost in Million Taka |
|---|---|---|
| 1 | Control Panel A.C. Room and Plant Room | 3.3 |
| 2 | Tanks | 2.111 |
| | **Total** | **5.411** |

| S. No. | Equipment / Drive Name | Nos. | Rate (In Lac Taka) | Amount (In Lac Taka) |
|---|---|---|---|---|
| 1 | Coarse Screens (mechanical operation) | 1 | 3.5 | 3.5 |
| 2 | Medium Screens (manual operation) | 2 | 0.72 | 1.44 |
| | Centrifugal Pumps (45m3/ Hr), in Pump | | | |
| 3 | Houses PH-1 & PH-2 | 2 | 0.47 | 0.94 |
| | Centrifugal Pumps (25 m3/ Hr), in Pump | | | |
| 4 | Houses PH-1 & PH-2 | 4 | 0.43 | 1.72 |
| | Centrifugal Pumps (35 m3/ Hr), in RAS Pump | | | |
| 5 | House | 2 | 0.68 | 1.36 |
| 6 | Pit Dewatering Pumps, centri., 3m3/Hr | 6 | 0.34 | 2.04 |
| | Centrifugal Pumps (45 m3/ Hr), in Pump | | | |
| 7 | House PH-4. | 1 | 0.85 | 0.85 |
| | Centrifugal Pumps (25 m3/ Hr m3/ Hr), in | | | |
| 8 | Pump House PH-4. | 2 | 0.64 | 1.28 |
| 9 | Grit removal devices, oil skimmers | 1 | 2.5 | 2.5 |
| 10 | Grit Lifting Pump | 2 | 0.5 | 1 |
| 11 | Air Compressor | 1 | 1.95 | 1.95 |
| 12 | EOT hoists | 6 | 0.72 | 4.32 |
| 13 | EOT hoists | 1 | 1.5 | 1.5 |
| 14 | Agitator- Lime Dosing Tank | 2 | 0.46 | 0.92 |
| 15 | Agitator- F. S. / F.A. Dosing Tank | 2 | 0.46 | 0.92 |
| 16 | Agitator- Poly Electrolyte Dosing Tank | 1 | 0.46 | 0.46 |
| 17 | Mixer - Flash Mixer Tank-1&2 | 2 | 0.65 | 1.3 |
| 18 | Rotary Air Blower for Chem. House and sludge mixing | 2 | 1.2 | 2.4 |
| 19 | Mixer for Floculation Chamber | 1 | 1.85 | 1.85 |
| 20 | Dosing Pumps for Lime Solution | 2 | 0.6 | 1.2 |
| 21 | Dosing Pumps For Fer.Sul. / F.A. Solu. | 2 | 0.65 | 1.3 |
| 22 | Dosing Pump For P E Solution | 2 | 0.59 | 1.18 |
| 23 | Primary Clarifier Mechanism | 1 | 4.5 | 4.5 |
| 24 | Secondary Clarifier Mechanism | 1 | 4.5 | 4.5 |
| 25 | Twin Lobe Air Blowers for Aeration Tanks | 2 | 4.2 | 8.4 |
| 26 | Sludge Feed Centri. Pumps for PH-3 | 2 | 0.23 | 0.46 |
| | Sludge Feed Screw Pump to Filter Press for | | | |
| 27 | PH-3 | 2 | 0.48 | 0.96 |
| 28 | Tube well & Pump (Submersible) | 1 | 0.8 | 0.8 |
| 29 | Centrifugal Pumps for reuse of Treated effluent in Chem. House | 2 | 0.25 | 0.5 |

| S. No. | Equipment / Drive Name | Nos. | Rate (In Lac Taka) | Amount (In Lac Taka) |
|---|---|---|---|---|
| 30 | Filter Press with Hydraulic system | 1 | 2.36 | 2.36 |
| 31 | Filter Press without Hydraulic system- Manual operation | 1 | 2 | 2 |
| 32 | Centrifuge / Volute Press for bio-sludge dewatering | 1 | 18.85 | 18.85 |
| 33 | Pressure Sand Filters | 2 | 2.4 | 4.8 |
| 34 | Activated Carbon Filters | 2 | 2.79 | 5.58 |
| 35 | Chlorinators with Tonners before filtration. | 2 | 4 | 8 |
| 36 | Piping, valves, fittings, air diffusers, air pipe grid as per requirement | Lot | 27.71 | 27.71 |
| 37 | V-Notch | 1 | 0.13 | 0.13 |
| | **Total Basic cost for Mechanical items** | | | **125.48** |
| | Drawing, document preparation & Approval, TPI | | 0.50% | 0.62 |
| | Local VAT/CST/WCT/S.Tax | | 15% | 18.82 |
| | Labor Cess. | | 1% | 1.25 |
| | Freight | | 3% | 3.76 |
| | Installation & Testing | | 4.50% | 5.64 |
| | Contractor Profit | | 10% | 12.548 |
| **Total cost for Mechanical items including Packing, transport, taxes, installation and contractor profit.** | | | **34.00%** | **168.12** |
| | **Total cost in Million Taka** | | | **16.81** |

| S. No. | Equipment / Drive Name | | Nos. | Rate (In Lac Taka) | Amount (In Lac Taka) |
|---|---|---|---|---|---|
| 1 | LT Panels and accessories for all drives at various locations Pumps Houses, aeration tanks, chemical houses etc | | 6 | 1.5 | 9 |
| 2 | HT Panels and accessories | Total Load = 200 kW | 1 | 3 | 3 |
| 3 | Cables, cable trays and accessories including for DG sets. | Size and materials as per requirement of standards and layout plan. | Lot. | L.S. | 25 |
| 4 | Electrical fixtures for lighting in buildings, on tanks and roads. | As per requirement of buildings standards and layout plan. | Lot | L.S. | 12 |
| | **Sub- Total for Electrical** | | | | **49** |
| **INSTRUMENTATION -** | | | | | |
| 5 | Level Sensors and Controllers for Pumps Houses | SS / metallic probes and copper cables.<br>Automatic On/Off control. | 5 | 0.3 | 1.5 |
| 6 | On-line pH meters | Sensor with Digital Display unit | 1 | 0.15 | 0.15 |

| | | | | | |
|---|---|---|---|---|---|
| 7 | On-line DO meters<br>Controllers for aerators /blowers in Aeration tank | Sensor with Digital Display unit, protected probes and cables. | 2 | 1.5 | 3 |
| 8 | Flow Rate and Total Flow<br>Recorder | Electromagnetic with Digital Display | 1 | 1 | 1 |
| 9 | Flow Rate and Total Flow<br>Recorder | Ultrasonic, Digital Display (LCD)<br>Flow rate range = 20 to 100cu.m/ hr. | 1 | 4 | 4 |
| 10 | Software, Computers and PLC for ASP, On-line Real Time<br>Monitoring Instrumentation | Process monitoring & control Software, PLC with relays, cables etc. complete | 20+20<br>20 | 60 | 60 |
| 11 | Laboratory instruments, glassware and chemicals. | For testing of common and special<br>parameters as per<br>CPCB /BSPCB | Lot | 10 | 10 |
| | **Sub- Total for Instrumentation** | | | | **79.65** |
| | Total cost In Million Taka | | | | **7.965** |

| S. No. | Particulars | Cost (in Lacs) |
|---|---|---|
| 1 | Civil Cost | 58 |
| **Electromechanical Items** | | |
| 2 | RO System Cost | 185 |
| 3 | Evaporators System Cost | |
| 3.1 | TRIPLE forced circulation evaporator system | 63 |
| 3.2 | Other costs | 50 |
| | Total Advance Treatment Cost(excluding civil)) | 356 |
| | **Total cost in Million Taka** | **35.6** |

| S. No. | Particulars | Cost (in Million Taka) |
|---|---|---|
| 1 | Civil Cost till tertiary treatment | **51.77** |
| 2 | Civil Cost for Advance Treatment | 5.411 |
| 3 | Mechanical Cost | 16.81 |
| 4 | Electrical & Instrumentation Cost | 15.598 |
| 7 | Advance Treatment Cost for Electromechanical items | 35.6 |
| | **Total Project Cost in Million Taka** | **125.19** |
| | Escalation -20% | 25.04 |
| | **Total Project Cost in Million Taka per MLD** | **150** |
| | **Total Project Cost in Million Taka for 11.6 MLD** | **1740.00** |

*Table 174: Cost abstract for solid waste management*

| Sl. No. | Description | Quantity | Unit | Rate (in Taka) | Amount (in Taka) |
|---|---|---|---|---|---|
| 1. | Waste collection platform | 1 | No | 216,533 | 216,533 |
| 2. | Crusher and mixing unit | 1 | No | 43,307 | 43,307 |
| 3. | Primary anaerobic plant digester | 1 | No | 690,200 | 690,200 |
| 4. | Secondary anaerobic plant digester | 1 | No | 690,200 | 690,200 |
| 5. | Slurry pit | 1 | No | 75,787 | 75,787 |
| 6. | Slurry chamber | 1 | No | 140,747 | 140,747 |
| 7. | Purification unit | 1 | Lot | 692,907 | 692,907 |
| 8. | Storage and dispensing unit | 1 | Lot | 433,067 | 433,067 |
| 9. | Non-bio degradable waste storage shed 1 (For storing recyclable waste) | 1 | No | 238,187 | 238,187 |
| 10. | Non-bio degradable waste storage shed 2 (For storing inert waste) | 1 | No | 519,680 | 519,680 |
| 11. | Internal electrification for buildings | 1 | Lot | 216,533 | 216,533 |
| 12. | Any other components in civil structures required for the construction of SWM plant missing out in the above | 1 | Lot | 216,533 | 216,533 |
| | **Total - I** | | | | **4,173,680** |
| **II. SWM Plant with a capacity of 1 TPD: Electro-mechanical works** | | | | | |
| 1. | Waste collection and segregation unit | | | | |
| | a) Hopper with weighing arrangement for receiving organic waste of required size | 1 | No | 273,760 | 273,760 |
| | b) Shaft less screw conveyor for transferring waste from hopper to pulper/grinder of required capacity/size | 1 | No | 205,320 | 205,320 |

| Sl. No. | Description | Quantity | Unit | Rate (in Taka) | Amount (in Taka) |
|---|---|---|---|---|---|
| | c) Suitable crusher / pulper / shredder for crushing the organic waste of required capacity/size | 1 | No | 342,200 | 342,200 |
| 2. | Primary anaerobic plant digester | | | | |
| | a) Floating FRP hood | 1 | No | 446,600 | 446,600 |
| 3. | Secondary anaerobic plant digester | | | | |
| | a) Floating FRP hood | 1 | No | 446,600 | 446,600 |
| 4. | Slurry Pit | | | | |
| | a) FRP cover for slurry pit | 1 | No | 34,220 | 34,220 |
| 5. | Agitator | 1 | No | 91,253 | 91,253 |
| 6. | Pumps | | | | |
| | a) Digester feed pump | 2 | No | 18,251 | 36,501 |
| | b) Filtrate recirculation pump | 2 | No | 14,829 | 29,657 |
| | c) Submersible mixer | 4 | No | 22,813 | 91,253 |
| 7. | Flaring unit – Gas flare system | 1 | No | 22,813 | 22,813 |
| 8. | Bio gas engine | 1 | No | 684,400 | 684,400 |
| 9. | Purification unit | | | | |
| | a) Hydrogen sulphide remover | 1 | No | 228,133 | 228,133 |
| | b) Carbon-di-oxide remover | 1 | No | 1,140,667 | 1,140,667 |
| 10. | Piping and valves | | | | |
| | a) Interconnecting pipes with approved makes and size | 1 | Lot | 159,693 | 159,693 |
| | b) Valves: Butterfly valves, ball valves, non-return valves wherever applicable | 1 | Lot | 68,440 | 68,440 |
| 11. | Storage and dispensing unit | | | | |
| | a) Suitable compressor along with cylinders for storage of bio gas | 1 | No | 1,277,547 | 1,277,547 |
| 12. | **Electrical works including gas flow meter** - MCC panel, local push buttons stations, power, control cables, cable end terminations, earthing system, electronic type gas flow meter, etc., | 1 | Lot | 228,133 | 228,133 |
| 13. | **Automation with PLC system** - PLC control panel, SCADA system, input waste weighing monitoring, Field Instruments, power, control, instrumentation cables, cable end terminations, earthing system, field junction box. The system should be suitable for control/monitor from the centralized control station. | 1 | Lot | 456,267 | 456,267 |

| Sl. No. | Description | Quantity | Unit | Rate (in Taka) | Amount (in Taka) |
|---|---|---|---|---|---|
| 14. | Any other electromechanical components required for the construction of SWM plant missing out in the above | 1 | Lot | 456,267 | 456,267 |
| | **Total - II** | | | | **6,719,725** |
| **III. SWM Plant with a capacity of 1 TPD: Common works** | | | | | |
| 1. | Road | 1 | Lot | 135,333 | 135,333 |
| 2. | Fencing & gate | 1 | Lot | 139,200 | 139,200 |
| 3. | Drain | 1 | Lot | 145,000 | 145,000 |
| 4. | Any other common works required for the construction of SWM plant missing out in the above | 1 | Lot | 232,000 | 232,000 |
| | **Total III** | | | | **651,533** |
| | **Grand total (I+II+III)** | | | | **11,544,939** |
| | | | | Cost per TPD in Taka | 11,544,939 |
| | | | | Cost escalation | 20% |
| | | | | Total cost per TPD in Taka | 13,853,930.00 |
| | | | | in Million Taka | 13.85393 |
| | **Total SWM cost for 8 TPD in Million Taka** | | | | **106.39** |

*Table 175: Cost abstract for telecom duct*

| Sl. No. | PWD SOR/2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | **2.1.5** | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | Cum | 28830 | 217.00 | 6,256,168.77 | **6.26** |
| 2 | **3.4.1** | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-incharge. (Cement: CEM-II/A-M) Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 2218 | 6647.00 | 14,741,139.24 | **14.74** |
| 3 | **7.3.1** | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 30 MPa, satisfying a specified compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed | Cum | 9432 | 12154.00 | 114,632,317.63 | **114.63** |

| Sl. No. | PWD SOR/2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| | | by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | | | | | |
| 4 | **8.1.2** | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | Kg | 848849 | 82.00 | 69,605,603.43 | **69.61** |
| 5 | **7.9.2** | Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) and removal of form for: In raft/mat/floor slab up to plinth level | Sqm | 3059 | 434.00 | 1,327,568.97 | **1.33** |
| 6 | **7.9.4** | Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) and removal of form for: Pedestal, column, column capital, lift wall and wall up to ground floor | Sqm | 3824 | 408.00 | 1,560,046.48 | **1.56** |
| 7 | **7.9.7** | Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make | Sqm | 2549 | 532.00 | 1,356,118.84 | **1.36** |

| Sl. No. | PWD SOR/2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| | | the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) and removal of form for: Floor and roof slab up to ground floor | | | | | |
| | | **Total cost in Million Taka** | | | | | **209.48** |

*Table 176: Cost abstract for landscaping & greenery along road*

| Sl. No. | PWD SOR/2018 | Description | Unit | Quantity | Rate in Taka | Amount | Amount in Million Taka |
|---|---|---|---|---|---|---|---|
| 1 | **25.2** | Preparation of ground to make ready for plantation by spading the ground to a depth of 150 mm to 230 mm beyond 38 mm deep scrapped ground by spade, breaking earth clods to powder by hammers, picking up all sorts of rubbish, unwanted grasses by suitable tools, carrying and spreading the surplus earth into low lying area including supply of tools and plants etc. all complete and accepted by the Engineer-in-charge. | Sqm | 294626 | 20.00 | 5,892,528.15 | **5.89** |
| 2 | **25.5** | Supply well decomposed cow dung carried by trucks or any other means including loading, unloading at both ends, stacking the same at site including supply of tools and plants etc. all complete and accepted by the Engineer-in-charge | Cum | 7366 | 1507.00 | 11,100,049.90 | **11.10** |
| 3 | **25.8** | Supply of lawn grass of approved quality by truck or by any other means, sorting the grass to proper size, washing the grass, dibbling the grass 6 mm to 50 mm apart, irrigation of lawn area till the grass grown at least for two months after plantation, weeding the undesirable grass, mowing the lawn grass by lawn mower up to two months after plantation, applying urea fertilizer on the lawn surface @ 1 kg per 9.29 sqm including supply of tools and plants etc. all complete and accepted by the Engineer-in-charge. | Sqm | 294626 | 54.00 | 15,909,826.01 | **15.91** |
| | | **Total Cost in Million Taka** | | | | | **32.90** |

*Table 177: Cost abstract for Embankment along water channel*

| Item. No | BPWD Item. Code | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| 1 | 2.1 | Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. | | | | |
| | 2.1.1 | Layout and marking for earthwork in excavation in foundation accepted by the Engineer. [Plinth area of the structure shall be considered for measurement] | | | | |
| | | Formation for road embankment | Sqm | | | |
| | | | Sqm | **90000.00** | 21.77 | 1,959,300.00 |
| | | | | | | |

| Item. No | BPWD Item. Code | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| 2 | LGED - 2.02.2 | EFW(AE): Earth filling work with specified soil in any type of embankment including cutting, carrying, filling by throwing earth in layers not more than 150mm in each layer in proper alignment, grade, camber and side slope in all types of soil except rocky, gravelly and slushy including benching not more than 30cm in vertical and 60cm in horizontal steps along the sides while widening any embankment, etc. all complete as per the direction of E-I-C. Earth shall be arranged by the contractor at his own cost and it will include all necessary lead & lift. Payment will be made on the basis of compacted volume.<br>Note: This item shall be used when the work will be done by contractor | Cum | | | |
| | | Formation for road embankment | Cum | | | |
| | | Embankment | | | | |
| | | | | **108000.00** | 165 | 17,820,000.00 |
| | | | | | | |
| 3 | LGED - 2.03.2 | Mechanical compaction of earthworks in 150mm thick compacted layers by breaking clods to a maximum size of 25mm using wooden drag or ladder and compacting using mechanical equipment, watering or drying to obtain optimum moisture content watering if necessary including the equipment and other tools required to work site, etc. all complete as per direction of the E-I-C. 98% compaction of the maximum dry density is to be obtained by the standard compaction test (Rate is for each layer of 150mm thick). | | | | |
| | | same as filling Qty | Cum | **108000.00** | 77.25 | 8,343,000.00 |
| | | | | | | |
| 4 | 31.31 | Compaction test | | | | |

| Item. No | BPWD Item. Code | Description | Unit | Total Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| | 31.31.1 | Modified proctor | Per test | **18.00** | 1800 | 32,400.00 |
| | | | | | | |
| | | **Total Cost in Tk** | | | | **28,154,700.00** |
| | | **Total Cost in Million** | | | | **28.15** |

## 15.23. Annexure 23 – Offsite Infrastructure cost estimates

*Figure 107: Cost abstract for access road - Embankment*

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| 1 | 2.1 | Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. | | | | |
| | 2.1.1 | Layout and marking for earthwork in excavation in foundation accepted by the Engineer. [Plinth area of the structure shall be considered for measurement] | | | | |
| | | Formation for road embankment | Sqm | 20,460.00 | | |
| | | | Sqm | 20,460.00 | 21.77 | 445,414.20 |
| 2 | LGED - 2.02.2 | EFW(AE): Earth filling work with specified soil in any type of embankment including cutting, carrying, filling by throwing earth in layers not more than 150mm in each layer in proper alignment, grade, camber and side slope in all types of soil except rocky, gravelly and slushy including benching not more than 30cm in vertical and 60cm in horizontal steps along the sides while widening any embankment, etc. all complete as per the direction of E-I-C. Earth shall be arranged by the contractor at his own cost and it will include all necessary lead & lift. Payment will be made on the basis of compacted volume.<br>Note: This item shall be used when the work will be done by contractor | Cum | | | |
| | | Formation for road embankment | Cum | | | |
| | | Embankment | | 22,176.00 | | |
| | | | | 22,176.00 | 165 | 3,659,040.00 |

| Item. No | BPWD Item. Code/ Market rate | Description | Unit | Qty | Rate in Tk | Amount |
|---|---|---|---|---|---|---|
| 3 | LGED - 2.03.2 | Mechanical compaction of earthworks in 150mm thick compacted layers by breaking clods to a maximum size of 25mm using wooden drag or ladder and compacting using mechanical equipment, watering or drying to obtain optimum moisture content watering if necessary including the equipment and other tools required to work site, etc. all complete as per direction of the E-I-C. 98% compaction of the maximum dry density is to be obtained by the standard compaction test (Rate is for each layer of 150mm thick). | | | | |
| | | same as filling Qty | Cum | 22,176.00 | 77.25 | 1,713,096.00 |
| | | | | | | |
| 4 | 31.31 | Compaction test | | | | |
| | 31.31.1 | Modified proctor | Per test | 4.00 | 1800 | 7,200.00 |
| | | | | | | |
| | | | | | | |
| | | **Total Cost in Taka** | | | | **5,824,750.20** |
| | | **Total Cost in Million Taka** | | | | **5.82** |

*Table 178: Cost abstract for access road*

| Sl. No. | Description | Unit | Quantity | Rate in Taka as per SoR | Amount | Amount in million Taka |
|---|---|---|---|---|---|---|
| 1 | [RHD-2/1/01] Clearing & grubbing | sqm | 30000 | 55 | 1650000 | 1.65 |
| 2 | (RHD-2/2/02) Roadway Excavation in Suitable soil | cum | 10318 | 144 | 1485792 | 1.485792 |
| 3 | [RHD-2/7/02] Preparation of Subgrade | sqm | 30000 | 40 | 1200000 | 1.2 |
| 4 | [RHD-2/8/01] Improved Subgrade (Sand F.M >0.80) | cum | 3850 | 1099 | 4231150 | 4.23115 |
| 5 | [RHD-2/6/02] Earth filling work. (Filling in embankment, ditches, widening at intersection & curves.) Contractors arranged land | cum | 810 | 397 | 321570 | 0.32157 |
| 6 | [RHD-03/02/01 (b)] Sub-Base (Sand F.M >1.0 and Brick Khoa <40 mm) | cum | 4620 | 5363 | 24777060 | 24.77706 |

| Sl. No. | Description | Unit | Quantity | Rate in Taka as per SoR | Amount | Amount in million Taka |
|---|---|---|---|---|---|---|
| 7 | (MR, Based on RHD_03/03/02b) Aggregate base type-II | cum | 4620 | 7384 | 34114080 | 34.11408 |
| 8 | (RHD-03/03/01b) Aggregate base type-I | cum | 3850 | 8461 | 32574850 | 32.57485 |
| 9 | [RHD-03/06/1a] Bituminous Prime Coat (Plant Placed) | sqm | 15400 | 113 | 1740200 | 1.7402 |
| 10 | [RHD-03/07/1a] Bituminous Tack Coat (Plant Work) | sqm | 30800 | 50 | 1540000 | 1.54 |
| 11 | [RHD-03/10/1 (b)] 155 mm Dense Bituminous surfacing-base course (Plant Method) Bitumen Grade 60/70 (Coarse sand F.M >2.5, Crushed boulder/gravel aggregate <25 mm etc. | cum | 2387 | 22133 | 52831471 | 52.831471 |
| 12 | [RHD_03/10/02 (b)] 40 mm Dense bituminous surfacing wearing course (Plan method) bitumen grade 60/70 | cum | 616 | 23295 | 14349720 | 14.34972 |
| | **Total Cost in Million Taka** | | | | | **170.815893** |
| | Total road length | | | | | 1000 |
| | Cost of road per Rm | | | | | 0.170815893 |

| Description of items | Unit | Quantity | Rate (Million BDT) | Total amount (Million BDT) |
|---|---|---|---|---|
| | a | b | c | d=bxc |
| **Construction of access road** | **km** | **0.55** | **170.82** | **93.95** |

*Table 179: Cost abstract for external power line*

| Remarks/ PWD SCHEDULE 2018 Item no | Description of items | Unit | Quantity | Rate (BDT) | Total amount (BDT) | Total amount (in million Taka) |
|---|---|---|---|---|---|---|
| | | a | b | c | d=bxc | |
| BPDB | Supply, installation/ construction and testing & commissioning work of double circuit 33 kV line. | km | 8 | 4000000.00 | 32,000,000.00 | **32.00** |
| BPDB | Supply, installation/construction and testing & commissioning work of double circuit 132kV transmission line. | km | 16 | 22,000,000.00 | 352,000,000.00 | **352.00** |

*Table 180: Cost abstract for street lighting system*

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| 1 | Cable work (through PVC pipe) | Underground wiring: Providing & laying of the following XLPE insulated & PVC sheathed cable (N2XY) with PVC insulated green/white coloured ECC wire (BYA) connecting at both ends, through PVC pipe & accessories in the following manner: All electrical contacts shall be of brass/copper connected through connector or soldering (no twisting shall be allowed) and cables shall be manufactured and tested according to relevant IEC/BDS/BS/VDE standards and as per detailed specification mentioned in Annexure-A. The work shall be carried out as per direction/ approval/ acceptance of the Engineer. *With cable manufactured by M/S BRB/ Paradise/ Poly/ Citizen/BBS/Super sign cables Ltd.* | | | | | |
| | | i) In kutcha ground by cutting 45.70 cm width x 91.40 cm depth trench with necessary brick or tile protection and mending the damages good by refilling trench with proper compaction. | | | | | |
| | | ii) In pucca floor through PVC pipe by cutting trench of necessary size and mending the damages good by brick soling, 75 mm (1:2:4) CC work with neat cement finishing etc. | | | | | |
| | | 1C-2 x 16 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 40 mm having wall thickness of 1.9 mm. | | | | | |
| | | In katcha ground | meter | 588.00 | 1205.00 | 708540.00 | |
| | | In pucca floor | meter | 245.00 | 1294.00 | 317030.00 | |
| 2 | Concealed wiring (BYM) | 1C-4 x 25 sq.mm (N2XY) with 35 sq.mm (BYA) ECC wire through PVC pipe of minimum inner dia 50 mm having wall thickness of 2.59 mm. The work shall be carried out as per direction & approval of the Engineer. | | | | | |
| | | In katcha ground | meter | 312.00 | 1,844.00 | 575,328.00 | |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| | | In pucca floor | meter | 62.60 | 1,927.00 | 120,630.20 | |
| 3 | STREET LIGHT FITTINGS (LED) | Supply & fixing of LED street light fitting of the following features and model with all necessary elements such as driver, chips etc. complete. Model & sample shall be approved by the Engineer. | | | | | |
| | | (i) GLORIA cat No- GLST. 1205 or equivalent product of ENERGY +, SUNKO, etc.<br>(ii) Rated life : 50,000 hr (minimum)<br>(iii) Luminux flux : 100 + 1m/w<br>(iv) LED chips: EDISON/EPISTOR/OSRAM/PHILIPS/CREE/BRIDGELUX.<br>(v) Driver: MEANWELL/OSRAM/PHILIPS/IEC standard.<br>(vi) Body: Tempered glass pure Aluminium. | | | | | |
| | | 100 W | each | 50.00 | 9,358.00 | 467,900.00 | 6.A.8.(iii).(a).1 |
| | | 150 W | each | 10.00 | 11,773.00 | 117,730.00 | 6.A.8.(iii).(a).2 |
| 4 | GI POLE | Providing following seamless hot dip galvanized GI pole fabricated with GI pipe complete with GI sockets, MS. base plate, top cover, necessary welding as required:-The length of the bracket shall be such that the end of light fixture will be 1.5meter (approx.) from the light column. A junction box to be installed at bottom level of the pole fabricated from 2.0mm (min.) mild steel sheet and hot deep galvanized complete with cover including termination unit, circuit breaker and earthing terminal etc. The work shall be completed as per drawing and direction of the Engineer. | | | | | |
| | | Total langth-30'(9m),Botton-150mm, Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 30 | 24149 | 724470 | 3.2.3 |
| | | Total langth-25'(8m),Botton-150mm, Top-100mm, Thikness-4.0mm, Base plate-300mmx300mm with 12mm th. | each | 2 | 19319 | 38638 | 3.2.4 |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| 5 | Anchor Bolt | Supply and fixing of galvanized anchor bolts of variable dia for rigid frame conforming to ASTM F1554 Grade 55, Galvanized to A153, Class C or equivalent with minimum yield strength of 380 MPa, as per manual of steel construction by American Institute of Steel Construction (AISC) etc. including the cost of washer & bolts, material testing etc. all complete as per drawing, specification and direction of the Engineer-in-charge. Langth-400mm,Dia -20mm, Bend langth-100mm, Thred langth-75mm with Nut ,Washer . | kg | 202 | 180 | 36360 | 10.1(Civil) |
| 6 | FORMWORK (Wooden) | Centering and shuttering, including strutting, propping etc. and removal of form after hardening of the concrete for: | | | | | |
| | | Pedestals, column, wall | sqm | 136.60 | 429.00 | 58,601.40 | 07.15.3(Civil) |
| 7 | Re-Bar work | Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | kg | 2749.60 | 82.00 | 225467.2 | 08.1.2(Civil) |
| 8 | Earth work | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted | Cum | 82.80 | 217.00 | 17967.6 | 02.1.5 (Civil) |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| | | by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state. | | | | | |
| 9 | Back filling | Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including carrying, watering, levelling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by Engineer-in-charge. | Cum | 70.54 | 149.00 | 10510.46 | 2.13 (Civil) |
| 10 | C.C. Work | Mass concrete (1:3:6) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer-in-charge.(Cement: CEM-II/A-M)<br>Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2 | Cum | 3.22 | 6,647.00 | 21403.34 | 03.4.1 (Civil) |
| 11 | RCC work | Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 30 MPa, satisfying a specified compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand of | | | | | 07.3.1(Civil) |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| | | equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and concrete cylinders as required, cost of all materials and other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) | | | | | |
| | | Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level | cum | 15.00 | 12154.00 | 182310.00 | |
| 12 | GI Pipe for light bracket | G.I pipe 50mm dia | meter | 280.00 | 410.00 | 114800.00 | PWD-EM -ANALYSIS-38 |
| 13 | MCB Box | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6”) duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required (only front surface of the board will be considered for measurement).<br>(Manufactured by RECO / NASCO / C&S or equivalent product of any other manufacturer) | | | | | |
| | | With water tight arrangement. | sqm | 5.3200 | 16240.00 | | 4.9.2 |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| | DB | Supply & installation of outdoor type distribution board made of epoxy powder coated 14 SWG sheet steel with hinge type double doors having built in flash type locking arrangement, complete with copper bus bars (phases & nentral), copper earthing bars and indicating lamps in conformity to the distribution boards ratings as detailed below. The box shall be double door type i.e. one cover door inside through which knobs of MCB/MCCB's are accessible and no live part shall be accessible to an operator. The rate shall include supply & installation of MCB/MCCB, magnetic contractor (Siemens/Dorman Smith/Schneider/Eaton), photo cell, timer etc. The work shall be complete in all respect as per specifications, drawing and direction of the Engineer-in-Charge. Sufficient gap must be maintained between bus bars and back side of the box. The item also includes the fixing of the cable lugs for distribution cables as per drawing and direction of the Engineer-in-Charge. | | | | | |
| | | Box size : 650mm x 750mm x 150mm, Busbar: 120A SPN & E;Incoming: 63A SP/DP MCB;63A SP/DP Magnetic Contractor; Photo Cell & Timmer; Outgoing: up to 5x 30 A TP MCB (minimum 6 KA) | Set | 1.00 | 50000.00 | 50000.00 | |
| | Auto Controller | Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6”) duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required. Magnetic contactor -38A (Ith 60A) magnetic contactor -1nos, Thermal over load Relay-24- 36A ,Photo cell -2 nos, | each | 2.00 | 50,000.00 | | |

| Item no. | Item name | Description of items | Unit<br>a | Quantity<br>b | Rate<br>c | Total Amount<br>d=bxc | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | TPMCB-50A-1Nos, Internal wiring, Phase indicator, all complete, approved and accepted by the Engineer-in-charge. MCB-2499,MC-12225,OLR-2777,Box 1 sqm-16240. | | | | | |
| 16 | Earthing | Earthing the electrical installation with 40 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm. dia hole across the pipe at 305 mm. interval securely bonded by soldering with 2 nos. of No-2 SWG HDBC earth leads (at the top of the electrode) with its protection by 20 mm. (3/4") dia G.I. pipe up-to plinth level run at a depth of 609.6 mm (2 ft.) below G.L up-to main board to be earthed including necessary connecting copper sockets, bolts, nuts, etc. complete for maintaining earth resistance within 1 ohm. | | | | | |
| | | Depth of bottom of main electrode at 37338 mm. (122.5 ft) from GL & length of electrode 36576 mm. (120 ft). | per set | 1.00 | 42,261.00 | 42,261.00 | 4.17 (vi) |
| | Connecting wire | Providing and drawing No.2 SWG HDBC wire through 20mm (3/4") dia G.I. pipe including fitting, fixing the G.I. pipe in wall or column complete as required. | meter | 25.00 | 614.00 | 15,350.00 | |
| 17 | Earth Pit | Construction of earthing inspection pit inside measurement 600 mm x 600 mm with 250 mm thick brick in cement mortar (1:4) with 100mm thick RCC top slab (1:2:4) with 1% re-enforcement 450 mm dia water sealed CI man-hole cover with locking arrangement including necessary earth works, site filling and one brick flat soling 75 mm thick (1:3:6) base concrete for making inlet channel & 12mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of .75 meter. | each | 1.00 | 6,037.00 | 6,037.00 | 4.18 |

| Item no. | Item name | Description of items | Unit | Quantity | Rate | Total Amount | Remarks/ PWD SCHEDULE 2018 Item no |
|---|---|---|---|---|---|---|---|
| | | | a | b | c | d=bxc | |
| | | | | | | 3,851,334.20 | |
| | | Road length considered | 650 | m | | | |
| | | Road width considered | 30 | m | | | |
| | | Carriageway width considered | 7.5 | m | | | |
| | | Per m cost for streetlight | 5,925.13 | | | | |
| | | **Description of items** | **Unit** | **Quantity** | **Rate (BDT)** | **Total amount (BDT)** | **Total amount in Million Taka** |
| | | **Supply and installation of streetlight-Approach road (Off site road)** | **meter** | **650** | **5925.13** | **3851334.20** | **3.85** |

*Table 181: Cost abstract for external water supply*

| Sl. No. | Description | Nos. | Quantity | Unit | Rate (Tk) | Amount (Tk) |
|---|---|---|---|---|---|---|
| 1 | Earth work in excavation in all kinds of soil for foundation trenches including layout, providing centre lines, local bench mark pillars, levelling , ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc., all complete and accepted by the Engineer, subject to submit method statement of carrying out excavation work to the Engineer for approval. However Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract | | 29748 | Cum | 100 | 2,974,800.00 |
| 2 | Reinstating the road surface to its original WBM condition wherever disturbed. | | 125256 | Sqm | 40 | 5,010,240.00 |
| | | | | | | |
| 3 | Supplying, Loading & Transporting Ductile Iron pipes (Class K7) and specials, unloading, lowering in trenches, laying (CI as per standards) with ordinary bedding and jointing with tyton joints, with EPDM rubber rings (Type II) flanged joints, with rubber gaskets ,pipes and specials, joints in chambers, including providing all jointing materials as per specifications, testing the pipeline for specified heads and leakages and disinfecting before commissioning complete | | | | | |
| | Spun D.I. pipe 200 mm diameter | | 19600 | Rm | 7,800 | 152,880,000.00 |
| | Spun D.I. pipe 125 mm diameter | | 430 | Rm | 4,800 | 2,064,000.00 |
| 4 | Providing, installing, jointing to pipelines, testing and commissioning. Butterfly Valves, Sluice Valves, Kinetic Double Air Valves with isolating Sluice Valves, Scour Valves with all jointing materials, gaskets, bolts, nuts, inclusive of dismantling pieces, washers, rubber gaskets as per standards etc. complete as per drawing and specifications provided. | | | | | |
| a | C.I Kinetic Double Air Valves | | | | | |
| | 80mm valve on 225-350mm. Dia. Pipe, rating 10kg/cm2 | | 16 | Nos. | 50,000 | 800,000.00 |
| b | C.I Sluice Valve | | | | | |
| | 200 mm. dia. pipe rating 10 kg/cm2 | | 9 | Nos. | 30,000 | 270,000.00 |
| | 125 mm. dia. Pipe rating 10 kg/cm2 | | | | | |

| Sl. No. | Description | Nos. | Quantity | Unit | Rate (Tk) | Amount (Tk) |
|---|---|---|---|---|---|---|
| c | C.I Scour (Gate) Valve including drain pipe of diameter equivalent to that of Scour valve of about and 6 m. length | | | | | |
| | 350 mm. dia. pipe rating 10 kg/cm2 | | 5 | Nos. | 50,000 | 250,000.00 |
| | | | | | | |
| d | Pressure reducing valve of diameter equivalent to that of pipe diameter at the entry point of sump | | 3 | Nos. | 40,000 | 120,000.00 |
| | | | | | | |
| 5 | Providing and constructing rectangle / square valve chambers as per drawing including bed concrete, masonry in C.M. 1:4, plaster in C.M. 1:4 rough finish on external surfaces and smooth cement finish on internal surfaces, pre-cast covers, joint for inlet and outlet in the masonry, providing RCC NP2 drain pipe 150 mm. dia. of about 6 m. length from chamber to nearest storm drain, testing for water tightness etc. complete including de-watering whenever required | | | | | |
| a | For air valves | | | | | |
| | Chamber size (Inner) 2.2 m. x 1.2 m. for air valve on pipe of dia 300 mm to 500 mm. | | 18 | Nos. | 20,000 | 360,000.00 |
| b | For Sluice Valves | | | | | |
| | Chamber size (Inner) 2.2 m. x 1.2 m. for Sluice valve on pipe of dia. 200 to 500 mm. | | 7 | Nos. | 20,000 | 140,000.00 |
| c | For Scour Valves | | | | | |
| | Chamber size (Inner) 2.2 m. x 1.6 m. for scour valve on pipe of dia 300 mm to 350 mm. | | 7 | Nos. | 22,000 | 154,000.00 |
| d | For pressure reducing valve | | | | | |
| | Chamber size (Inner) 2.2 m. x 1.6 m. for pressure reducing valve on pipe of dia 300 mm to 350 mm. | | 1 | Nos. | 22,000 | 22,000.00 |
| | | | | | | |
| 6 | Providing and placing P.C.C. M-15 for thrust blocks at bends of water mains and junctions including necessary shuttering, curing etc. all complete | | 45 | Nos. | 13,000 | 585,000.00 |
| | | | | | | |
| 7 | Electromagnetic flow meter of suitable model with hard rubber liner, SS316 electrode, SS 304 Coil Housing, SS 316 Grounding Ring, Flanged connection with IP 68 protection with suitable electronics components for input power supply of 230 V AC and | | 2 | Nos. | 350,000 | 700,000.00 |

| Sl. No. | Description | Nos. | Quantity | Unit | Rate (Tk) | Amount (Tk) |
|---|---|---|---|---|---|---|
| | output of 4- 20 MA DC with flow indicator and totalizer of 350 mm DIA | | | | | |
| | | | | | | |
| | | | | | | |
| | One layer of brick flat soling in foundation or floor with first class brick or picked jhma bricks including preparation of bed and filling the interstices with local sand, levelling, etc., complete and accepted by engineer. | | 694 | sqm | 355 | 246,214.69 |
| | | | | | | |
| | Lime Soil | | 520 | cum | 3,484 | 1,812,310.02 |
| | | | | | | |
| | Anti-Corrosion | | 2694 | sqm | 853 | 2,298,572.88 |
| Total pumping main length | | | 20.03 | KM | | |
| Amount in Taka | | | 170,687,137.59 | Taka | | |
| Cost per KM | | | 8,521,574.52 | Taka | | |
| | | In Million | 8.52 | Taka | | |
| | | | | | Unit in Km | Amount in Million Taka |
| **Total cost for external water supply in Million Taka** | | | | | **1** | **8.52** |

*Table 182: Cost abstract for boundary wall*

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| 1 | 9.1 | Boring / drilling for cast in situ under reamed piles up to the required depth and diameter with minimum 6 m long temporary steel casing, true to vertical, providing bentonite slurry and maintaining water level in the hole, washing the hole for at least 30 minutes, clean the bore-hole and make the bore-hole ready for placing steel cage and concreting including hire charge of rig set with winch machine, tripod stand, trimie pipe, cost of fuel, lubricant, mobilization, demobilization, maintenance, spares, stand-byes, insurance coverage, water, electricity and other charges all compete approved and accepted by the Engineer. Before commencing boring operation contractor shall submit the method statement of cast-in-situ pile work including sequence of boring and casting, disposal of spoils, test result of materials to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under contract. | | | | |
| | 9.1.1.1 | 400 mm dia pile | 14,340.00 | Meter | 536.00 | 7686240.00 |
| | | | | | | |
| 2 | | Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per standards to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. | | | | |
| | | 400 mm dia pile | 2,280.00 | Cum | 11,578.00 | 26397840.00 |
| | | | | | | |
| 3 | 9.6 | Labour for breaking head of hardened cast in situ bored pile/pre-cast pile up to a required length by any means but without damaging the rest and removing the dismantled materials such as concrete to a safe distance including scraps and cleaning concrete | 137.00 | Cum | 3,603.00 | 493611.00 |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | | from steel/M.S. rods, straightening and bending of pile bars, preparation and making platform where necessary, carrying, all sorts of handling, stacking the same properly after clearing, leveling and dressing the situ and clearing the bed etc. complete in all respects and accepted by the Engineer. (Measurement will be given for the actual· pile head volume to be broken) | | | | |
| | | | | | | |
| 4 | | Providing and injecting the unslaked lime slurry shall be a filled with bore. Proportion unslaked lime within the range of 1% volume of soil and closed with sand gunny bags or stone slabs including necessary tools, plants, machinery and all related operations as required to complete the work as per drawings and Specifications with all leads, lifts etc. all complete and accepted by the Engineer-in-charge. | | | | |
| | | 38 kg per pile | 108,984.00 | Kg | 12.00 | 1307808.00 |
| | | | | | | |
| 5 | | Lime soil mix filling in foundation trenches and plinth in 150 mm layers, proportion of lime soil mix 1:4 including leveling, by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer. | | | | |
| | | | 660.00 | Cum | 2,918.00 | 1925880.00 |
| | | | | | | |
| 6 | 9.7 | Conducting static load test as per ASTM D1143 or equivalent standard for the cast - in - situ / pre - cast pile providing required scaffolding, bracing, jacks, pressure test gauge, loading, unloading, Kentledge and other plants and equipment including staging, mobilization, demobilization, hire charge, gunny bags, sand and filling sacs / gunny bags for loading, record readings and preparation of results in standard forms and other incidental charges per standard practice and procedures including submission of load test report, furnishing all graph and chart, etc., complete in all respects approved and accepted by the Engineer (minimum two cyclic loading, one at service load and another | | | | |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | | cycle at double the load of service load then to continue loading till failure of the pile). Before commencing load test, contractor shall submit method statement for conducting load test to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under contract. | | | | |
| | | Load test and report shall be conducted under the supervision of a professional Geotechnical Engineer registered in BPERB or Geotechnical Firm registered in PWD. Boring and pouring logs / driving logs of piles and method statement shall be the part of load test report. (Rates on load test under the supervision of experts in the laboratory of universities and HBRI can be found in Chapter - 32) | | | | |
| | | Initial test | 2.00 | | | |
| | | Routine test | 15.00 | | | |
| | 9.7.1 | For design load tonne 1 no. of test | 17.00 | Per test | 53,423.00 | 908191.00 |
| | | | | | | |
| 7 | 2.1 | Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. | | | | |
| | 2.1.1 | Layout and marking for earthwork in excavation in foundation accepted by the Engineer. [Plinth area of the structure shall be considered for measurement] | | | | |
| | | | 2,400.00 | Sqm | 11.00 | 26400.00 |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | | | | | | |
| 8 | 2.1.2 | Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in soft clayey soil / loose sand / silt. | | | | |
| | | Plinth beam | 3,900.15 | Cum | | |
| | | | 3,900.10 | Cum | 67.00 | 261306.70 |
| 9 | 2.10.1 | Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer. | | | | |
| | | Plinth beam | 600.02 | Cum | 602.00 | 361213.55 |
| | | | | | | |
| 10 | 3.4. | Mass concrete (1:3:6) in foundation with cement, sand (F.M. 1.2) and picked jhama chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least 7 days including the supply of water, electricity and other charges and costs of tools and plants etc. all complete and accepted by the Engineer.(Cement: CEM-II/A-M) | | | | |
| | 3.4.1 | Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M.1.2 | | | | |
| | | Plinth beam | 600.02 | Cum | 6,319.00 | 3791542.18 |
| | | | | | | |
| 11 | | Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per standards to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. | | | | |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | 7.6.4 | Pedestals, column, column capitals, lift walls and walls up to ground floor | | | | |
| | 7.6.4.1 | **Concrete** | | | | |
| | | For column | 2,245.64 | | | |
| | | | 2,245.64 | Cum | 10,626.00 | 23862213.14 |
| | | | | | | |
| 12 | 7.6.4.2 | **Formwork/shuttering, prop and necessary supports etc. (steel)** | | | | |
| | | For column | 17,466.12 | Sqm | | |
| | | | 17,466.12 | Sqm | 373.00 | 6514862.76 |
| | | | | | | |
| 13 | 7.6.5 | **Tie beam and lintels : Ground floor** | | | | |
| | 7.6.5.1 | **Concrete** | | | | |
| | | Plinth beam | 720.00 | Cum | | |
| | | leveling coarse for between column @ mid of 125 mm thick brick wall | 63.78 | Cum | | |
| | | Reinforced coping concrete | 63.78 | Cum | | |
| | | | 847.56 | Cum | 10,929.00 | 9263024.22 |
| | | | | | | |
| 14 | 7.6.5.2 | **Formwork/shuttering, prop and necessary supports etc. (steel)** | | | | |
| | | Plinth beam | 4,800.00 | Sqm | | |
| | | leveling coarse for between column @ mid of 125 mm thick brick wall | 1,020.51 | Sqm | | |
| | | Reinforced coping concrete | 1,020.51 | Sqm | | |
| | | | 6,841.02 | Sqm | 380.00 | 2599587.60 |
| | | | | | | |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| 15 | 4.16 | 125 mm brick works with first class bricks in cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer.(Cement: CEM-II/A-M) | | | | |
| | | Above NGL | 18,709.35 | | | |
| | | | 18,709.35 | Sqm | 837.00 | 15659726.00 |
| | | | | | | |
| 16 | 8.1 | Supplying, fabrication and fixing to details as per design deformed bar reinforcement in concrete in accordance with BDS 1313 : 1991 standard including straightening and cleaning rust, if any, bending and binding in position including supply of G.I. wires etc. complete in all respects and accepted by the Engineer. | | | | |
| | 8.1.2 | Grade 400 (RB 400 / 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh Standard, with minimum yield strength fy (ReH) = 400 Mpa but fy not exceeding 418 MPa and whatever is the yield strength within allowable limit as per BNBC sec 8.3.3.5 / ACI 318-11 sec 21.1.5.2, the ratio ultimate tensile strength fu to yield strength fy, shall be at least 1,25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor. | | | | |
| | | Pile | 273,600.00 | Kg | | |
| | | For column | 258,249.06 | Kg | | |
| | | Plinth beam | 54,000.00 | Kg | | |
| | | leveling coarse for between column @ mid of 125 mm thick brick wall | 6,580.00 | Kg | | |
| | | Reinforced coping concrete | 6,580.00 | Kg | | |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | | | 599,009.06 | Kg | 85.00 | 50915770.10 |
| | | | | | | |
| 17 | 15.1 | Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to wall both inner and outer surface, finishing the corner and edges including washing of sand cleaning the surface, scaffolding and curing at least for 7 days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer. | | | | |
| | | For column | 25,593.32 | Sqm | | |
| | | For wall | 41,160.57 | Sqm | | |
| | | | 66,754.00 | Sqm | 214.00 | 14285356.00 |
| | | | | | | |
| 18 | 16.3 | Cement paint of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container, made water based powder mixed with water (1:1), applying first coat, curing the same after six hours for 24 hours, second coat applied and curing the same for 7 (seven) days etc, taking care and cleaning the surface fully from grease, oily substances, old paint, lime wash, fungus, algae etc., sand papering the surface before applying 1st and 2nd coat, complete including cost of electricity, water and other changes etc. complete in all floors and accepted by the Engineer. | | | | |
| | | Same as plastering quantity | 66,754.00 | Sqm | | |
| | | | 66,754.00 | Sqm | 128.00 | 8544512.00 |
| | | | | | | |
| 19 | | Providing band course work flat 10 mm thick and 50 mm deep with cement mortar 1:3 (1 cement and 3 river sand) including rendering smooth, curing, etc., complete as directed during execution. | | | | |
| | | Boundary wall top level | 8,717.00 | meter | 129.00 | 1124493.00 |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| | | | | | | |
| 20 | 21.7 | Supplying, fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @ 150 mm c/c in both horizontally and vertically, supported by 38 x 38 x 6 mm M.S. angle post (300 mm embedded in R.C.C or in brick work with a cement concrete base of 75 x 75 x 300 mm) 600 mm vertical and 450 mm inclined or as per requirement @ 2.5 m c/c including straightening, binding the joints with 18 BWG wire making holes in the angle etc. including supplying of all necessary materials complete in all respect and accepted by the Engineer. (Rate is excluding the cost of R.C.C or brick work or C.C which is to be paid as per corresponding items in the schedule) | | | | ` |
| | | Horizontal barbed wire | 8,400.00 | Sqm | 760.00 | 6384000.00 |
| | | | | | | |
| 21 | 19.5 | Manufacturing, supplying, fittings and fixing G.I. pipe gate of any design and shape having 38 mm dia G.I. pipe outer frame and 19 mm dia G.I. pipe vertical member placed @ 75 mm c/c by welding at top and bottom of G.I. pipe frame, cutting the pipes in proper shape and size including making semicircular band at the corner of the outer frame without damaging the pipe, covering 50% of the gate area with 18 BWG M.S. sheet, providing also two extra horizontal 38 mm dia G.I. pipes welded with vertical post, providing 6 nos. huskle domney with R.C.C. or R.C.C core pillar with cement concrete (1:2:4) in masonry including cutting holes, mending the damages, making provision for minimum 0.61 m x 1.4 m pocket gate having its outer frame and inner vertical members made with 19 mm dia G.I pipe including necessary locking arrangements. Painting the gate with 2 (two) coats of synthetic enamel paint over a coat of anti-corrosive priming, welding as and where necessary including necessary locking arrangements and providing 2 nos. 16 mm M.S. socket bolts etc. all complete as per design and drawing and accepted by the Engineer. **(Rate is excluding the cost of painting)** | 26.00 | Sqm | 9,307.00 | 241982.00 |
| | | | | | | |

| Sl. no. | Item no. (BNBC) | Description | Quantity | Unit | Rate in Tk | Amount in Tk |
|---|---|---|---|---|---|---|
| 22 | | Painting new iron work with one coat of approved primer. (ISI STD) | | | | |
| | | Gate | 25.20 | | | |
| | | Fencing | 549.28 | | | |
| | | | 575.00 | Sqm | 55.00 | 31625.00 |
| | | | | | | |
| | | | | | **Total** | **182587184.25** |
| | | | | | **in Million (Tk)** | **182.6** |

*Table 183: Cost abstract for gas supply network*

| Remarks/PWD SCHEDULE 2018 Item no | Description of items | Unit | Quantity | Rate ( BDT) | Total Amount (BDT) | Amount in Million Taka |
|---|---|---|---|---|---|---|
| GTCL | Supply and installation of 8" dia external gas supply line | km | 15 | 10000000.00 | 150000000.00 | **150** |

# 15.24. Annexure 24 – Financial Model Calculations – Case 1 (BEZA as the Master Developer) – Base Case

**Profit and Loss Statement (BDT millions)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 0 | 0 | 231 | 436 | 792 | 1,036 | 1,258 | 1,188 | 1,161 | 1,106 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 260 | 268 | 276 |
| EBIDTA | 0 | 0 | 231 | 436 | 792 | 1,036 | 1,005 | 928 | 893 | 830 |
| Depreciation | 0 | 0 | 0 | 0 | 0 | 518 | 518 | 518 | 518 | 518 |
| EBIT | 0 | 0 | 231 | 436 | 792 | 519 | 488 | 410 | 375 | 312 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 1,218 | 1,128 | 1,038 | 947 |
| Profit before tax (PBT) | 0 | 0 | 231 | 436 | 792 | 519 | -731 | -718 | -662 | -636 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 0 | 0 | 231 | 436 | 792 | 519 | -731 | -718 | -662 | -636 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 1,772 | 2,117 | 2,472 | 2,353 | 2,514 | 1,203 | 1,203 | 1,332 | 1,332 | 1,332 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 1,772 | 2,117 | 2,472 | 2,353 | 2,514 | 1,203 | 1,203 | 1,332 | 1,332 | 1,332 |
| Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| EBIT | 1,254 | 1,600 | 1,954 | 1,836 | 1,996 | 685 | 685 | 814 | 814 | 814 |
| Interest | 857 | 767 | 677 | 587 | 496 | 406 | 316 | 226 | 135 | 45 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Profit before tax (PBT) | 397 | 833 | 1,277 | 1,249 | 1,500 | 279 | 369 | 588 | 679 | 769 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 397 | 833 | 1,277 | 1,249 | 1,500 | 279 | 369 | 588 | 679 | 769 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| EBIT | 958 | 958 | 958 | 1,118 | 1,118 | 1,118 | 1,298 | 1,298 | 1,298 | 1,498 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 958 | 958 | 958 | 1,118 | 1,118 | 1,118 | 1,298 | 1,298 | 1,298 | 1,498 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 958 | 958 | 958 | 1,118 | 1,118 | 1,118 | 1,298 | 1,298 | 1,298 | 1,498 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 1,498 | 1,498 | 1,723 | 1,723 | 1,723 | 1,975 | 1,975 | 1,975 | 2,258 | 2,258 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 1,498 | 1,498 | 1,723 | 1,723 | 1,723 | 1,975 | 1,975 | 1,975 | 2,258 | 2,258 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 1,498 | 1,498 | 1,723 | 1,723 | 1,723 | 1,975 | 1,975 | 1,975 | 2,258 | 2,258 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| EBIT | 2,258 | 2,577 | 2,577 | 2,577 | 2,935 | 2,935 | 2,935 | 3,340 | 3,340 | 3,340 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 2,258 | 2,577 | 2,577 | 2,577 | 2,935 | 2,935 | 2,935 | 3,340 | 3,340 | 3,340 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 2,258 | 2,577 | 2,577 | 2,577 | 2,935 | 2,935 | 2,935 | 3,340 | 3,340 | 3,340 |

## Cash Flows (BDT million)

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 0 | 0 | 231 | 436 | 792 | 519 | -731 | -718 | -662 | -636 |
| Book depreciation | 0 | 0 | 0 | 0 | 0 | 518 | 518 | 518 | 518 | 518 |
| Equity infusion | 1,470 | 1,552 | 1,651 | 1,029 | 594 | 151 | 0 | 0 | 0 | 0 |
| Debt drawdown | 3,430 | 3,620 | 3,852 | 2,400 | 1,386 | 351 | 0 | 0 | 0 | 0 |
| Total cash inflow | 4,900 | 5,172 | 5,734 | 3,865 | 2,772 | 1,538 | -213 | -200 | -145 | -118 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 4,900 | 5,172 | 5,728 | 3,663 | 2,538 | 1,293 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 |
| Total cash outflow | 4,900 | 5,172 | 5,728 | 3,663 | 2,538 | 2,295 | 1,003 | 1,003 | 1,003 | 1,003 |
| **Net Cash Generation** | 0 | 0 | 6 | 202 | 234 | -757 | -1,216 | -1,203 | -1,147 | -1,121 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 397 | 833 | 1,277 | 1,249 | 1,500 | 279 | 369 | 588 | 679 | 769 |
| Book depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 914 | 1,350 | 1,795 | 1,767 | 2,018 | 797 | 887 | 1,106 | 1,196 | 1,287 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 |
| Total cash outflow | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 | 1,003 |
| **Net Cash Generation** | -88 | 348 | 792 | 764 | 1,015 | -206 | -116 | 103 | 194 | 284 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 958 | 958 | 958 | 1,118 | 1,118 | 1,118 | 1,298 | 1,298 | 1,298 | 1,498 |
| Book depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 1,498 | 1,498 | 1,723 | 1,723 | 1,723 | 1,975 | 1,975 | 1,975 | 2,258 | 2,258 |
| Book depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 2,258 | 2,577 | 2,577 | 2,577 | 2,935 | 2,935 | 2,935 | 3,340 | 3,340 | 3,340 |
| Book depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |

**Balance Sheet (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 1,470 | 3,022 | 4,672 | 5,701 | 6,295 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 |
| Reserves and Surplus | 0 | 0 | 231 | 667 | 1,459 | 1,978 | 1,247 | 529 | -133 | -768 |
| Long term loan | 3,430 | 7,050 | 10,902 | 13,302 | 14,688 | 14,037 | 13,034 | 12,032 | 11,029 | 10,026 |
| Total | 4,900 | 10,072 | 15,806 | 19,671 | 22,442 | 22,460 | 20,727 | 19,007 | 17,342 | 15,703 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 4,900 | 10,072 | 15,800 | 19,463 | 22,000 | 22,775 | 22,258 | 21,740 | 21,223 | 20,705 |
| Cash and bank balance | 0 | 0 | 6 | 208 | 442 | -315 | -1,531 | -2,734 | -3,881 | -5,001 |
| Total | 4,900 | 10,072 | 15,806 | 19,671 | 22,442 | 22,460 | 20,727 | 19,007 | 17,342 | 15,703 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 |
| Reserves and Surplus | -372 | 461 | 1,739 | 2,988 | 4,488 | 4,767 | 5,136 | 5,725 | 6,403 | 7,172 |
| Long term loan | 9,024 | 8,021 | 7,018 | 6,016 | 5,013 | 4,011 | 3,008 | 2,005 | 1,003 | 0 |
| Total | 15,098 | 14,928 | 15,202 | 15,449 | 15,947 | 15,223 | 14,589 | 14,175 | 13,851 | 13,618 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 20,187 | 19,670 | 19,152 | 18,634 | 18,117 | 17,599 | 17,082 | 16,564 | 16,046 | 15,529 |
| Cash and bank balance | -5,090 | -4,742 | -3,950 | -3,185 | -2,170 | -2,376 | -2,492 | -2,389 | -2,195 | -1,911 |
| Total | 15,098 | 14,928 | 15,202 | 15,449 | 15,947 | 15,223 | 14,589 | 14,175 | 13,851 | 13,618 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 |
| Reserves and Surplus | 8,130 | 9,088 | 10,046 | 11,164 | 12,282 | 13,401 | 14,698 | 15,996 | 17,294 | 18,792 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 14,575 | 15,533 | 16,491 | 17,609 | 18,728 | 19,846 | 21,144 | 22,441 | 23,739 | 25,238 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 15,011 | 14,493 | 13,976 | 13,458 | 12,941 | 12,423 | 11,905 | 11,388 | 10,870 | 10,352 |
| Cash and bank balance | -436 | 1,040 | 2,515 | 4,151 | 5,787 | 7,423 | 9,238 | 11,054 | 12,869 | 14,885 |
| Total | 14,575 | 15,533 | 16,491 | 17,609 | 18,728 | 19,846 | 21,144 | 22,441 | 23,739 | 25,238 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 |
| Reserves and Surplus | 20,290 | 21,789 | 23,512 | 25,235 | 26,958 | 28,933 | 30,909 | 32,884 | 35,142 | 37,401 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 26,736 | 28,234 | 29,957 | 31,681 | 33,404 | 35,379 | 37,354 | 39,329 | 41,588 | 43,846 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 9,835 | 9,317 | 8,800 | 8,282 | 7,764 | 7,247 | 6,729 | 6,211 | 5,694 | 5,176 |
| Cash and bank balance | 16,901 | 18,917 | 21,158 | 23,399 | 25,639 | 28,132 | 30,625 | 33,118 | 35,894 | 38,670 |
| Total | 26,736 | 28,234 | 29,957 | 31,681 | 33,404 | 35,379 | 37,354 | 39,329 | 41,588 | 43,846 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 | 6,445 |
| Reserves and Surplus | 39,659 | 42,236 | 44,812 | 47,389 | 50,325 | 53,260 | 56,195 | 59,535 | 62,875 | 66,215 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 46,104 | 48,681 | 51,258 | 53,835 | 56,770 | 59,705 | 62,641 | 65,981 | 69,320 | 72,660 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 4,659 | 4,141 | 3,623 | 3,106 | 2,588 | 2,070 | 1,553 | 1,035 | 518 | 0 |
| Cash and bank balance | 41,446 | 44,540 | 47,635 | 50,729 | 54,182 | 57,635 | 61,088 | 64,945 | 68,803 | 72,660 |
| Total | 46,104 | 48,681 | 51,258 | 53,835 | 56,770 | 59,705 | 62,641 | 65,981 | 69,320 | 72,660 |

**FCFF Calculation (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 0 | 0 | 231 | 436 | 792 | 519 | 488 | 410 | 375 | 312 |
| Add: Depreciation | 0 | 0 | 0 | 0 | 0 | 518 | 518 | 518 | 518 | 518 |
| Less: IDC | -154 | -472 | -808 | -1,089 | -1,260 | -1,293 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | -4,746 | -4,700 | -4,920 | -2,574 | -1,278 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | -4,900 | -5,172 | -5,496 | -3,227 | -1,746 | -256 | 1,005 | 928 | 893 | 830 |
| **Retained Earnings** | 0 | 0 | 231 | 436 | 792 | 1,036 | -213 | -200 | -145 | -118 |
| **Cumulative Retained Earnings** | 0 | 0 | 231 | 667 | 1,459 | 2,495 | 2,282 | 2,082 | 1,938 | 1,820 |
| Retained Earnings used to fund opex | 0 | 0 | 231 | 436 | 792 | 1,036 | 0 | 0 | 0 | 0 |
| Retained Earnings available after funding opex | 0 | 0 | 225 | 234 | 558 | 791 | 0 | 0 | 0 | 0 |
| Retained Earnings used to fund project cost | 0 | 0 | 225 | 234 | 558 | 791 | 0 | 0 | 0 | 0 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 1,254 | 1,600 | 1,954 | 1,836 | 1,996 | 685 | 685 | 814 | 814 | 814 |
| Add: Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 1,772 | 2,117 | 2,472 | 2,353 | 2,514 | 1,203 | 1,203 | 1,332 | 1,332 | 1,332 |
| **Retained Earnings** | 914 | 1,350 | 1,795 | 1,767 | 2,018 | 797 | 887 | 1,106 | 1,196 | 1,287 |
| **Cumulative Retained Earnings** | 2,734 | 4,085 | 5,880 | 7,646 | 9,664 | 10,461 | 11,348 | 12,454 | 13,650 | 14,936 |
| Retained Earnings used to fund opex | 914 | 1,350 | 1,795 | 1,767 | 2,018 | 797 | 887 | 1,106 | 1,196 | 1,287 |
| Retained Earnings available after funding opex | 630 | 1057 | 1493 | 1456 | 1698 | 467 | 547 | 756 | 836 | 915 |
| Retained Earnings used to fund project cost | 630 | 1057 | 1493 | 1456 | 1698 | 467 | 547 | 756 | 836 | 915 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 958 | 958 | 958 | 1,118 | 1,118 | 1,118 | 1,298 | 1,298 | 1,298 | 1,498 |
| Add: Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| **Retained Earnings** | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| **Cumulative Retained Earnings** | 16,412 | 17,887 | 19,363 | 20,999 | 22,635 | 24,271 | 26,086 | 27,901 | 29,717 | 31,733 |
| Retained Earnings used to fund opex | 1,475 | 1,475 | 1,475 | 1,636 | 1,636 | 1,636 | 1,815 | 1,815 | 1,815 | 2,016 |
| Retained Earnings available after funding opex | 1093 | 1082 | 1070 | 1218 | 1206 | 1193 | 1359 | 1345 | 1331 | 1517 |
| Retained Earnings used to fund project cost | 1093 | 1082 | 1070 | 1218 | 1206 | 1193 | 1359 | 1345 | 1331 | 1517 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 1,498 | 1,498 | 1,723 | 1,723 | 1,723 | 1,975 | 1,975 | 1,975 | 2,258 | 2,258 |
| Add: Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| **Retained Earnings** | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| **Cumulative Retained Earnings** | 33,749 | 35,765 | 38,005 | 40,246 | 42,487 | 44,980 | 47,473 | 49,965 | 52,741 | 55,517 |
| Retained Earnings used to fund opex | 2,016 | 2,016 | 2,241 | 2,241 | 2,241 | 2,493 | 2,493 | 2,493 | 2,776 | 2,776 |
| Retained Earnings available after funding opex | 1502 | 1487 | 1696 | 1679 | 1662 | 1897 | 1879 | 1861 | 2125 | 2105 |
| Retained Earnings used to fund project cost | 1502 | 1487 | 1696 | 1679 | 1662 | 1897 | 1879 | 1861 | 2125 | 2105 |

| **Financial year** | **Year 41** | **Year 42** | **Year 43** | **Year 44** | **Year 45** | **Year 46** | **Year 47** | **Year 48** | **Year 49** | **Year 50** |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 2,258 | 2,577 | 2,577 | 2,577 | 2,935 | 2,935 | 2,935 | 3,340 | 3,340 | 3,340 |
| Add: Depreciation | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| **Retained Earnings** | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| **Cumulative Retained Earnings** | 58,293 | 61,388 | 64,482 | 67,576 | 71,029 | 74,482 | 77,935 | 81,793 | 85,650 | 89,508 |
| Retained Earnings used to fund opex | 2,776 | 3,094 | 3,094 | 3,094 | 3,453 | 3,453 | 3,453 | 3,857 | 3,857 | 3,857 |
| Retained Earnings available after funding opex | 2085 | 2383 | 2362 | 2340 | 2676 | 2652 | 2628 | 3008 | 2983 | 2956 |
| Retained Earnings used to fund project cost | 2085 | 2383 | 2362 | 2340 | 2676 | 2652 | 2628 | 3008 | 2983 | 2956 |

**FCFE Calculation (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 0 | 0 | 231 | 436 | 792 | 1036 | 1005 | 928 | 893 | 830 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | -1,218 | -1,128 | -1,038 | -947 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 |
| Less: Capex | -4,900 | -5,172 | -5,502 | -3,429 | -1,980 | -502 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 3,430 | 3,620 | 3,852 | 2,400 | 1,386 | 351 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | -1470 | -1552 | -1419 | -593 | 198 | -117 | -1216 | -1203 | -1147 | -1121 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 1772 | 2117 | 2472 | 2353 | 2514 | 1203 | 1203 | 1332 | 1332 | 1332 |
| Less: Interest | -857 | -767 | -677 | -587 | -496 | -406 | -316 | -226 | -135 | -45 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 | -1,003 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | -88 | 348 | 792 | 764 | 1015 | -206 | -116 | 103 | 194 | 284 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 1475 | 1475 | 1475 | 1636 | 1636 | 1636 | 1815 | 1815 | 1815 | 2016 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 1475 | 1475 | 1475 | 1636 | 1636 | 1636 | 1815 | 1815 | 1815 | 2016 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 2016 | 2016 | 2241 | 2241 | 2241 | 2493 | 2493 | 2493 | 2776 | 2776 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 2016 | 2016 | 2241 | 2241 | 2241 | 2493 | 2493 | 2493 | 2776 | 2776 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 2776 | 3094 | 3094 | 3094 | 3453 | 3453 | 3453 | 3857 | 3857 | 3857 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 2776 | 3094 | 3094 | 3094 | 3453 | 3453 | 3453 | 3857 | 3857 | 3857 |

## 15.25. Annexure 25 – Project Returns Calculations – Conservative and Aggressive scenarios – Case 1 (BEZA as the Master Developer)

**Conservative case:**

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[306] | NPV FCFF (in BDT million) # | NPV FCFE (in BDT million) # |
|---|---|---|---|---|---|---|
| Option 1: offsite and onsite infrastructure to be developed by BEZA | 5.83% | 6.33% | 0.96 | 0.56 | -9005.7 | -5439.6 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | 6.49% | 7.94% | 1.21 | 0.82 | -1838.2 | -3416.2 |
| Option 3: offsite infrastructure to be developed through nodal agencies | 6.17% | 6.88% | 1.02 | 0.60 | -7854.3 | -4584.4 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | 6.85% | 8.57% | 1.29 | 0.87 | -708.5 | -2695.0 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 13.83% | 23.29% | 3.62 | 1.98 | 3749.5 | 3549.0 |

*# NPV values with cost of equity as 10% and 15% have been furnished in Annexures*

[306] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

**Aggressive case:**

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[307] | NPV FCFF (in BDT million) # | NPV FCFE (in BDT million) # |
|---|---|---|---|---|---|---|
| Option 1: offsite and onsite infrastructure to be developed by BEZA | 6.94% | 9.63% | 1.08 | 0.72 | -5711.2 | -1459.2 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | 7.77% | 12.23% | 1.33 | 0.96 | 1720.3 | 121.8 |
| Option 3: offsite infrastructure to be developed through nodal agencies | 7.32% | 10.58% | 1.15 | 0.76 | -4734.1 | -804.8 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | 8.18% | 13.40% | 1.42 | 1.02 | 2653.3 | 685.6 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 18.47% | 43.75% | 3.90 | 2.50 | 6353.4 | 6171.2 |

*# NPV values with cost of equity as 10% and 15% have been furnished in Annexures*

[307] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

## 15.26. Annexure 26 – NPV and BCR Calculations – Case 1 (BEZA as the Master Developer)

Table 184: NPV (@ 10% cost of equity) calculations across scenarios – Case 1

| Scenarios | NPV FCFF (in BDT million) | | | NPV FCFE (in BDT million) | | |
|---|---|---|---|---|---|---|
| | Conservative | Base | Aggressive | Conservative | Base | Aggressive |
| Option 1: offsite and onsite infrastructure to be developed by BEZA | -8287.7 | -6593.3 | -4911.3 | -4731.4 | -2568.1 | -307.2 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | -40.0 | 2398.4 | 3589.4 | -2316.9 | 111.0 | 1579.2 |
| Option 3: offsite infrastructure to be developed through nodal agencies | -7115.6 | -5562.3 | -3918.3 | -3758.0 | -1731.0 | 443.0 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | 1109.9 | 3346.2 | 4537.2 | -1503.4 | 752.9 | 2221.1 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 4691.7 | 6216.7 | 7349.6 | 5584.6 | 7231.8 | 8432.0 |

*Source: Financial Model*

Table 185: BCR (@ 10% cost of equity) calculations across scenarios – Case 1

| Scenarios | BCR | | |
|---|---|---|---|
| | Conservative | Base | Aggressive |
| Option 1: offsite and onsite infrastructure to be developed by BEZA | 0.61 | 0.69 | 0.76 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | 0.89 | 0.97 | 1.03 |
| Option 3: offsite infrastructure to be developed through nodal agencies | 0.65 | 0.74 | 0.81 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | 0.95 | 1.04 | 1.10 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 2.15 | 2.46 | 2.68 |

*Source: Financial Model*

Table 186: NPV (@ 15% cost of equity) calculations across scenarios – Case 1

| Scenarios | NPV FCFF (in BDT million) | | | NPV FCFE (in BDT million) | | |
|---|---|---|---|---|---|---|
| | Conservative | Base | Aggressive | Conservative | Base | Aggressive |
| Option 1: offsite and onsite infrastructure to be developed by BEZA | -9858.7 | -8266.7 | -6687.1 | -5642.2 | -3981.6 | -2247.8 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | -3979.5 | -1694.1 | -532.3 | -4067.2 | -2212.8 | -1016.3 |
| Option 3: offsite infrastructure to be developed through nodal agencies | -8737.4 | -7279.0 | -5733.2 | -4926.6 | -3380.2 | -1705.2 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | -2879.1 | -782.5 | 379.3 | -3455.7 | -1740.3 | -543.8 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 2571.9 | 4004.1 | 5092.3 | 1795.7 | 3084.2 | 4091.7 |

*Source: Financial Model*

Table 187: BCR (@ 15% cost of equity) calculations across scenarios – Case 1

| Scenarios | BCR | | |
|---|---|---|---|
| | Conservative | Base | Aggressive |
| Option 1: offsite and onsite infrastructure to be developed by BEZA | 0.51 | 0.59 | 0.66 |
| Option 2: offsite and On-site infrastructure to be financed by multilaterals | 0.72 | 0.81 | 0.87 |
| Option 3: offsite infrastructure to be developed through nodal agencies | 0.54 | 0.63 | 0.70 |
| Option 4: offsite infrastructure to be developed through nodal agencies and on-site infrastructure to be financed by multilaterals | 0.77 | 0.86 | 0.92 |
| Option 5: offsite and onsite infrastructure to be developed through Nodal agencies | 1.75 | 2.04 | 2.27 |

*Source: Financial Model*

# 15.27. Annexure 27 – A Case Study on Panama Pacifico SEZ Project

Traditionally, in case of PPP projects, the developer is liable to make certain pay-outs to the regulatory authority (in this case BEZA) in order for it recover its cost lay-out. However, globally there are precedencies of projects which have been developed through the PPP route without involvement of any pay-outs to the authorities regulating them. Since, the ultimate objective of BEZA through this project is overall socio-economic upliftment of the region through employment generation, private sector participation in such projects brings with it a plethora of advantages such as:

- Better financial discipline, since a developer has to operate efficiently to stay in business, while government agencies are protected against bankruptcy
- Rapid project implementation through better access to additional human resources and expertise
- Removal of financial constraints through better access to private finance
- Ability to change plans and resources during implementation/operations of the project to adapt to changes in market conditions and other variables affecting the project.

Thus, in order to make the proposition of developing the proposed EZ attractive BEZA may consider foregoing pay-outs for the private developer. Similar examples have been adopted in the past in developed economies to promote private sector participation in industrial projects. One such successful case in point is the Panama Pacifico SEZ project in the Republic of Panama. The following table illustrates on the parameters behind its success.

Table 188: Successful PPP project without pay-out criteria: Panama Pacifico

| Project | Project Type | Location | Master Developer |
|---|---|---|---|
| **Panama Pacifico** | **Special Economic Zone developed through PPP** | **Panama City, Republic of Panama** | **London & Regional Properties** |
| **Project Overview** | The Panama Pacifico project created in 2007 transformed the former Howard U.S. Air Force base outside Panama City into a hub for international trade, logistics, services, commerce, and industry. Located in the District of Arraijan, on the west side of the Canal, Panama Pacific is mixed-use development project which aimed at economic development of the region. | | |
| **Key Components** | As principal advisor to the government, IFC recommended that a private investor develop the 2,500-hectare site through the establishment of a special economic zone (SEZ) with a modern regulatory framework and administration conducive to business and direct foreign investment | | |
| **Project Structuring parameters** | • **Strict global standard eligibility criteria to target international master developers**<br>• **Transaction structure for 40-year development period with exclusive development rights for 15 years and limited rights for the rest of the concession for the master developer**<br>• **Pre-defined obligations for minimum investments from master developer - the winning proposal included commitments to invest a minimum of USD 405 million over the first 8 years of the project with no other pay-outs involved**<br>• **Allocation of infrastructure development obligations to Government** | | |

| | |
|---|---|
| | • **Clear allocation of risks between parties, pre-defined pricing of land, minimum land takedowns by category of use, rules of land development, penalties for non-compliance, etc.** |
| **Success factors** | • **USD 405 millions of investment within first 8 years i.e. till 2016**<br>• **USD 300 million more of investment in the next phase**<br>• **Globally reputed organizations such as Dell, 3M, CAT, Singapore Airlines, Cable & Wireless etc. investing in the SEZ**<br>• **Accreditation of U.S. Green Building Council and the Clinton Climate Initiative as "Climate-positive SEZ"** |

*Source: PwC Research*

## 15.28. Annexure 28 – Determination of Bid parameters for the PPP developer

The following table elucidates on the results obtained from the simulations performed to determine the best combination of the above-mentioned scenarios for the Base case. Two scenarios have been evaluated in the simulations – (i) BEZA bearing costs towards land acquisition and off-site infrastructure is funded through assistance from multilaterals, and (ii) BEZA bearing costs towards both land acquisition and off-site infrastructure development.

Table 189: Simulation results to determine the best-case pay-out mode for BEZA - Base case (**Case 2**)

| | | BEZA bearing costs only towards land acquisition | BEZA bearing costs towards land acquisition and off-site infrastructure |
|---|---|---|---|
| 1 | Annual Land lease mode (I) | • An Annual land lease of **BDT 15.4 per sq. ft.** per annum will correspond to the NPV of cost being equal to that of income for BEZA | • An Annual land lease of **BDT 18.4 per sq. ft.** per annum will correspond to the NPV of cost being equal to that of income for BEZA |
| 2 | Gross revenue share mode (II) | • A Gross revenue share of **22.8%** between BEZA and the PPP developer will correspond to the NPV of cost being equal to that of income for BEZA | • A Gross revenue share of **27%** between BEZA and the PPP developer will correspond to the NPV of cost being equal to that of income for BEZA |
| 3 | Upfront payment + (I) | • An Annual land lease of **BDT 14.4 per sq. ft.** per annum will correspond to the NPV of cost being equal to that of income for BEZA | • An Annual land lease of **BDT 17.2 per sq. ft.** per annum will correspond to the NPV of cost being equal to that of income for BEZA |
| 4 | Upfront payment + (II) | • A Gross revenue share of **21.3%** between BEZA and the PPP developer will correspond to the NPV of cost being equal to that of income for BEZA | • A Gross revenue share of **25.5%** between BEZA and the PPP developer will correspond to the NPV of cost being equal to that of income for BEZA |

| | | BEZA bearing costs only towards land acquisition | BEZA bearing costs towards land acquisition and off-site infrastructure |
|---|---|---|---|
| **5** | Upfront payment + (I) + (II) | • An Annual land lease of **BDT 7.6 per sq. ft.** per annum together with a gross revenue share of **10%** will correspond to the NPV of cost being equal to that of income for BEZA | • An Annual land lease of **BDT 10 per sq. ft**. per annum together with a gross revenue share of **11%** will correspond to the NPV of cost being equal to that of income for BEZA |
| | | | |

*Source: Financial Model*

## *15.29. Annexure 29 – Financial Model Calculations – Case 2 (PPP Developer developing the Project) – Without Pay-outs – Base Case*

| Profit and Loss Statement (BDT millions) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Financial year** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** | **Year 7** | **Year 8** | **Year 9** | **Year 10** |
| Revenue | 0 | 0 | 271 | 569 | 672 | 915 | 1,062 | 1,190 | 1,477 | 1,567 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 289 | 297 | 0 | 0 | 0 |
| EBIDTA | 0 | 0 | 271 | 569 | 672 | 627 | 765 | 1,190 | 1,477 | 1,567 |
| Depreciation | 0 | 0 | 0 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| EBIT | 0 | 0 | 271 | 175 | 277 | 232 | 370 | 795 | 1,083 | 1,172 |
| Interest | 0 | 0 | 0 | 0 | 0 | 1,142 | 989 | 837 | 685 | 533 |
| Profit before tax (PBT) | 0 | 0 | 271 | 175 | 277 | -910 | -619 | -42 | 398 | 639 |
| Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit after tax (PAT) | 0 | 0 | 271 | 175 | 277 | -910 | -619 | -42 | 398 | 639 |

| **Financial year** | **Year 11** | **Year 12** | **Year 13** | **Year 14** | **Year 15** | **Year 16** | **Year 17** | **Year 18** | **Year 19** | **Year 20** |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 1,745 | 2,197 | 2,432 | 2,633 | 3,190 | 3,190 | 3,190 | 3,629 | 3,629 | 3,629 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 1,745 | 2,197 | 2,432 | 2,633 | 3,190 | 3,190 | 3,190 | 3,629 | 3,629 | 3,629 |
| Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| EBIT | 1,350 | 1,802 | 2,037 | 2,238 | 2,796 | 2,796 | 2,796 | 3,234 | 3,234 | 3,234 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| Interest | 381 | 228 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 970 | 1,574 | 1,961 | 2,238 | 2,796 | 2,796 | 2,796 | 3,234 | 3,234 | 3,234 |
| Tax | 0 | 0 | 0 | 215 | 560 | 951 | 968 | 1,136 | 1,150 | 1,162 |
| Profit after tax (PAT) | 970 | 1,574 | 1,961 | 2,023 | 2,236 | 1,844 | 1,828 | 2,098 | 2,084 | 2,072 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 4,135 | 4,135 | 4,135 | 4,721 | 4,721 | 4,721 | 5,400 | 5,400 | 5,400 | 6,189 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 4,135 | 4,135 | 4,135 | 4,721 | 4,721 | 4,721 | 5,400 | 5,400 | 5,400 | 6,189 |
| Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| EBIT | 3,740 | 3,740 | 3,740 | 4,326 | 4,326 | 4,326 | 5,006 | 5,006 | 5,006 | 5,794 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 3,740 | 3,740 | 3,740 | 4,326 | 4,326 | 4,326 | 5,006 | 5,006 | 5,006 | 5,794 |
| Tax | 1,350 | 1,360 | 1,368 | 1,581 | 1,588 | 1,595 | 1,838 | 1,843 | 1,848 | 2,128 |
| Profit after tax (PAT) | 2,391 | 2,381 | 2,372 | 2,745 | 2,738 | 2,732 | 3,167 | 3,162 | 3,158 | 3,666 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 6,189 | 6,189 | 7,107 | 7,107 | 7,107 | 8,176 | 8,176 | 8,176 | 9,424 | 9,424 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 6,189 | 6,189 | 7,107 | 7,107 | 7,107 | 8,176 | 8,176 | 8,176 | 9,424 | 9,424 |
| Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 5,794 | 5,794 | 6,712 | 6,712 | 6,712 | 7,781 | 7,781 | 7,781 | 9,029 | 9,029 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 5,794 | 5,794 | 6,712 | 6,712 | 6,712 | 7,781 | 7,781 | 7,781 | 9,029 | 9,029 |
| Tax | 2,132 | 2,136 | 2,460 | 2,463 | 2,465 | 2,841 | 2,843 | 2,845 | 3,284 | 3,285 |
| Profit after tax (PAT) | 3,662 | 3,659 | 4,252 | 4,249 | 4,247 | 4,940 | 4,938 | 4,936 | 5,746 | 5,744 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| Revenue | 9,424 | 10,883 | 10,883 | 10,883 | 12,592 | 12,592 | 12,592 | 14,596 | 14,596 | 14,596 |
| O&M expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EBIDTA | 9,424 | 10,883 | 10,883 | 10,883 | 12,592 | 12,592 | 12,592 | 14,596 | 14,596 | 14,596 |
| Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| EBIT | 9,029 | 10,489 | 10,489 | 10,489 | 12,197 | 12,197 | 12,197 | 14,201 | 14,201 | 14,201 |
| Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Profit before tax (PBT) | 9,029 | 10,489 | 10,489 | 10,489 | 12,197 | 12,197 | 12,197 | 14,201 | 14,201 | 14,201 |
| Tax | 3,287 | 3,798 | 3,800 | 3,800 | 4,399 | 4,400 | 4,401 | 5,103 | 5,103 | 5,104 |
| Profit after tax (PAT) | 5,743 | 6,690 | 6,689 | 6,688 | 7,798 | 7,797 | 7,797 | 9,098 | 9,098 | 9,097 |

## Cash Flows (BDT million)

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 0 | 0 | 271 | 175 | 277 | -910 | -619 | -42 | 398 | 639 |
| Book depreciation | 0 | 0 | 0 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Equity infusion | 1,746 | 1,869 | 1,122 | 246 | 237 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 4,073 | 4,361 | 2,618 | 573 | 553 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 5,819 | 6,230 | 4,011 | 1,388 | 1,461 | -515 | -225 | 353 | 792 | 1,034 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 5,819 | 6,230 | 3,777 | 1,134 | 1,190 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 |
| Total cash outflow | 5,819 | 6,230 | 3,777 | 1,134 | 1,190 | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 |
| **Net Cash Generation** | 0 | 0 | 234 | 254 | 271 | -2,037 | -1,747 | -1,170 | -730 | -489 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 970 | 1,574 | 1,961 | 2,023 | 2,236 | 1,844 | 1,828 | 2,098 | 2,084 | 2,072 |
| Book depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 1,364 | 1,968 | 2,356 | 2,417 | 2,630 | 2,239 | 2,222 | 2,492 | 2,479 | 2,467 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Repayment (Principal) | 1,522 | 1,522 | 1,522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 1,522 | 1,522 | 1,522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | -158 | 446 | 833 | 2,417 | 2,630 | 2,239 | 2,222 | 2,492 | 2,479 | 2,467 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 2,391 | 2,381 | 2,372 | 2,745 | 2,738 | 2,732 | 3,167 | 3,162 | 3,158 | 3,666 |
| Book depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 2,785 | 2,776 | 2,767 | 3,140 | 3,133 | 3,126 | 3,562 | 3,557 | 3,552 | 4,061 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 2,785 | 2,776 | 2,767 | 3,140 | 3,133 | 3,126 | 3,562 | 3,557 | 3,552 | 4,061 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 3,662 | 3,659 | 4,252 | 4,249 | 4,247 | 4,940 | 4,938 | 4,936 | 5,746 | 5,744 |
| Book depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 4,057 | 4,053 | 4,647 | 4,644 | 4,642 | 5,334 | 5,332 | 5,331 | 6,140 | 6,139 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 4,057 | 4,053 | 4,647 | 4,644 | 4,642 | 5,334 | 5,332 | 5,331 | 6,140 | 6,139 |

| **Financial year** | **Year 41** | **Year 42** | **Year 43** | **Year 44** | **Year 45** | **Year 46** | **Year 47** | **Year 48** | **Year 49** | **Year 50** |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cash Inflow** | | | | | | | | | | |
| PAT | 5,743 | 6,690 | 6,689 | 6,688 | 7,798 | 7,797 | 7,797 | 9,098 | 9,098 | 9,097 |
| Book depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Equity infusion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Debt drawdown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash inflow | 6,137 | 7,085 | 7,084 | 7,083 | 8,193 | 8,192 | 8,191 | 9,493 | 9,492 | 9,492 |
| **Cash Outflow** | | | | | | | | | | |
| Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dividend pay-out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repayment (Principal) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total cash outflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Net Cash Generation** | 6,137 | 7,085 | 7,084 | 7,083 | 8,193 | 8,192 | 8,191 | 9,493 | 9,492 | 9,492 |

**Balance Sheet (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 1,746 | 3,615 | 4,737 | 4,982 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 |
| Reserves and Surplus | 0 | 0 | 271 | 446 | 723 | -186 | -806 | -848 | -450 | 189 |
| Long term loan | 4,073 | 8,434 | 11,052 | 11,626 | 12,178 | 10,656 | 9,134 | 7,611 | 6,089 | 4,567 |
| Total | 5,819 | 12,049 | 16,060 | 17,054 | 18,121 | 15,689 | 13,547 | 11,983 | 10,859 | 9,976 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 5,819 | 12,049 | 15,826 | 16,565 | 17,361 | 16,966 | 16,572 | 16,177 | 15,783 | 15,388 |
| Cash and bank balance | 0 | 0 | 234 | 489 | 760 | -1,278 | -3,024 | -4,194 | -4,924 | -5,413 |
| Total | 5,819 | 12,049 | 16,060 | 17,054 | 18,121 | 15,689 | 13,547 | 11,983 | 10,859 | 9,976 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 |
| Reserves and Surplus | 1,159 | 2,733 | 4,694 | 6,717 | 8,953 | 10,797 | 12,624 | 14,722 | 16,807 | 18,879 |
| Long term loan | 3,045 | 1,522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 9,423 | 9,474 | 9,913 | 11,936 | 14,172 | 16,016 | 17,844 | 19,941 | 22,026 | 24,098 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 14,994 | 14,599 | 14,204 | 13,810 | 13,415 | 13,021 | 12,626 | 12,232 | 11,837 | 11,442 |
| Cash and bank balance | -5,571 | -5,124 | -4,291 | -1,874 | 757 | 2,995 | 5,218 | 7,710 | 10,189 | 12,656 |
| Total | 9,423 | 9,474 | 9,913 | 11,936 | 14,172 | 16,016 | 17,844 | 19,941 | 22,026 | 24,098 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 |
| Reserves and Surplus | 21,270 | 23,651 | 26,023 | 28,768 | 31,506 | 34,238 | 37,405 | 40,567 | 43,725 | 47,391 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 26,489 | 28,870 | 31,242 | 33,987 | 36,725 | 39,457 | 42,624 | 45,786 | 48,944 | 52,610 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 11,048 | 10,653 | 10,259 | 9,864 | 9,470 | 9,075 | 8,680 | 8,286 | 7,891 | 7,497 |
| Cash and bank balance | 15,441 | 18,217 | 20,983 | 24,123 | 27,256 | 30,382 | 33,944 | 37,500 | 41,053 | 45,113 |
| Total | 26,489 | 28,870 | 31,242 | 33,987 | 36,725 | 39,457 | 42,624 | 45,786 | 48,944 | 52,610 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 |
| Reserves and Surplus | 51,053 | 54,712 | 58,964 | 63,213 | 67,460 | 72,400 | 77,338 | 82,274 | 88,019 | 93,764 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 56,272 | 59,931 | 64,183 | 68,433 | 72,680 | 77,619 | 82,557 | 87,493 | 93,239 | 98,983 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 7,102 | 6,708 | 6,313 | 5,918 | 5,524 | 5,129 | 4,735 | 4,340 | 3,946 | 3,551 |
| Cash and bank balance | 49,170 | 53,223 | 57,870 | 62,514 | 67,156 | 72,490 | 77,822 | 83,153 | 89,293 | 95,432 |
| Total | 56,272 | 59,931 | 64,183 | 68,433 | 72,680 | 77,619 | 82,557 | 87,493 | 93,239 | 98,983 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Liabilities** | | | | | | | | | | |
| Equity | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 | 5,219 |
| Reserves and Surplus | 99,506 | 106,197 | 112,886 | 119,574 | 127,372 | 135,169 | 142,965 | 152,064 | 161,162 | 170,259 |
| Long term loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 104,726 | 111,416 | 118,105 | 124,793 | 132,591 | 140,388 | 148,185 | 157,283 | 166,381 | 175,478 |
| **Assets** | | | | | | | | | | |
| Net Block (long term asset- depreciation) | 3,157 | 2,762 | 2,367 | 1,973 | 1,578 | 1,184 | 789 | 395 | 0 | 0 |
| Cash and bank balance | 101,569 | 108,654 | 115,738 | 122,820 | 131,013 | 139,205 | 147,396 | 156,889 | 166,381 | 175,873 |
| Total | 104,726 | 111,416 | 118,105 | 124,793 | 132,591 | 140,388 | 148,185 | 157,283 | 166,381 | 175,873 |

**FCFF Calculation (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 0 | 0 | 271 | 175 | 277 | 232 | 370 | 795 | 1,083 | 1,172 |
| Add: Depreciation | 0 | 0 | 0 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Less: IDC | -204 | -625 | -974 | -1,134 | -1,190 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | -5,615 | -5,605 | -2,803 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | -5,819 | -6,230 | -3,505 | -565 | -518 | 627 | 765 | 1,190 | 1,477 | 1,567 |
| **Retained Earnings** | 0 | 0 | 271 | 569 | 672 | -515 | -225 | 353 | 792 | 1,034 |
| **Cumulative Retained Earnings** | 0 | 0 | 271 | 841 | 1,512 | 997 | 773 | 1,125 | 1,918 | 2,951 |
| Retained Earnings used to fund opex | 0 | 0 | 271 | 569 | 672 | 0 | 0 | 353 | 792 | 1,034 |
| Retained Earnings available after funding opex | 0 | 0 | 37 | 315 | 401 | 0 | 0 | 46 | 477 | 709 |
| Retained Earnings used to fund project cost | 0 | 0 | 37 | 315 | 401 | 0 | 0 | 46 | 477 | 709 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 1,350 | 1,802 | 2,037 | 2,238 | 2,796 | 2,796 | 2,796 | 3,234 | 3,234 | 3,234 |
| Add: Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | 0 | 0 | 0 | -215 | -560 | -951 | -968 | -1,136 | -1,150 | -1,162 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 1,745 | 2,197 | 2,432 | 2,417 | 2,630 | 2,239 | 2,222 | 2,492 | 2,479 | 2,467 |
| **Retained Earnings** | 1,364 | 1,968 | 2,356 | 2,417 | 2,630 | 2,239 | 2,222 | 2,492 | 2,479 | 2,467 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cumulative Retained Earnings** | 4,316 | 6,284 | 8,640 | 11,057 | 13,687 | 15,926 | 18,148 | 20,641 | 23,120 | 25,587 |
| Retained Earnings used to fund opex | 1,364 | 1,968 | 2,356 | 2,417 | 2,630 | 2,239 | 2,222 | 2,492 | 2,479 | 2,467 |
| Retained Earnings available after funding opex | 1030 | 1624 | 2001 | 2052 | 2254 | 1851 | 1823 | 2081 | 2055 | 2031 |
| Retained Earnings used to fund project cost | 1030 | 1624 | 2001 | 2052 | 2254 | 1851 | 1823 | 2081 | 2055 | 2031 |

| **Financial year** | **Year 21** | **Year 22** | **Year 23** | **Year 24** | **Year 25** | **Year 26** | **Year 27** | **Year 28** | **Year 29** | **Year 30** |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 3,740 | 3,740 | 3,740 | 4,326 | 4,326 | 4,326 | 5,006 | 5,006 | 5,006 | 5,794 |
| Add: Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | -1,350 | -1,360 | -1,368 | -1,581 | -1,588 | -1,595 | -1,838 | -1,843 | -1,848 | -2,128 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 2,785 | 2,776 | 2,767 | 3,140 | 3,133 | 3,126 | 3,562 | 3,557 | 3,552 | 4,061 |
| **Retained Earnings** | 2,785 | 2,776 | 2,767 | 3,140 | 3,133 | 3,126 | 3,562 | 3,557 | 3,552 | 4,061 |
| **Cumulative Retained Earnings** | 28,372 | 31,147 | 33,914 | 37,054 | 40,186 | 43,313 | 46,875 | 50,431 | 53,983 | 58,044 |
| Retained Earnings used to fund opex | 2,785 | 2,776 | 2,767 | 3,140 | 3,133 | 3,126 | 3,562 | 3,557 | 3,552 | 4,061 |
| Retained Earnings available after funding opex | 2336 | 2313 | 2290 | 2649 | 2627 | 2605 | 3025 | 3004 | 2983 | 3474 |
| Retained Earnings used to fund project cost | 2336 | 2313 | 2290 | 2649 | 2627 | 2605 | 3025 | 3004 | 2983 | 3474 |

| **Financial year** | **Year 31** | **Year 32** | **Year 33** | **Year 34** | **Year 35** | **Year 36** | **Year 37** | **Year 38** | **Year 39** | **Year 40** |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 5,794 | 5,794 | 6,712 | 6,712 | 6,712 | 7,781 | 7,781 | 7,781 | 9,029 | 9,029 |
| Add: Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | -2,132 | -2,136 | -2,460 | -2,463 | -2,465 | -2,841 | -2,843 | -2,845 | -3,284 | -3,285 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 4,057 | 4,053 | 4,647 | 4,644 | 4,642 | 5,334 | 5,332 | 5,331 | 6,140 | 6,139 |
| **Retained Earnings** | 4,057 | 4,053 | 4,647 | 4,644 | 4,642 | 5,334 | 5,332 | 5,331 | 6,140 | 6,139 |
| **Cumulative Retained Earnings** | 62,101 | 66,154 | 70,801 | 75,445 | 80,086 | 85,421 | 90,753 | 96,084 | 102,224 | 108,362 |
| Retained Earnings used to fund opex | 4,057 | 4,053 | 4,647 | 4,644 | 4,642 | 5,334 | 5,332 | 5,331 | 6,140 | 6,139 |
| Retained Earnings available after funding opex | 3453 | 3431 | 4006 | 3984 | 3962 | 4634 | 4611 | 4588 | 5375 | 5351 |
| Retained Earnings used to fund project cost | 3453 | 3431 | 4006 | 3984 | 3962 | 4634 | 4611 | 4588 | 5375 | 5351 |

| **Financial year** | **Year 41** | **Year 42** | **Year 43** | **Year 44** | **Year 45** | **Year 46** | **Year 47** | **Year 48** | **Year 49** | **Year 50** |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIT | 9,029 | 10,489 | 10,489 | 10,489 | 12,197 | 12,197 | 12,197 | 14,201 | 14,201 | 14,201 |
| Add: Depreciation | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 | 395 |
| Less: IDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax paid | -3,287 | -3,798 | -3,800 | -3,800 | -4,399 | -4,400 | -4,401 | -5,103 | -5,103 | -5,104 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Free Cashflow to Fund | 6,137 | 7,085 | 7,084 | 7,083 | 8,193 | 8,192 | 8,191 | 9,493 | 9,492 | 9,492 |
| **Retained Earnings** | 6,137 | 7,085 | 7,084 | 7,083 | 8,193 | 8,192 | 8,191 | 9,493 | 9,492 | 9,492 |
| **Cumulative Retained Earnings** | 114,500 | 121,585 | 128,668 | 135,751 | 143,944 | 152,135 | 160,326 | 169,819 | 179,312 | 188,804 |
| Retained Earnings used to fund opex | 6,137 | 7,085 | 7,084 | 7,083 | 8,193 | 8,192 | 8,191 | 9,493 | 9,492 | 9,492 |
| Retained Earnings available after funding opex | 5326 | 6249 | 6222 | 6196 | 7279 | 7251 | 7222 | 8495 | 8464 | 8433 |
| Retained Earnings used to fund project cost | 5326 | 6249 | 6222 | 6196 | 7279 | 7251 | 7222 | 8495 | 8464 | 8433 |

**FCFE Calculation (BDT million)**

| Financial year | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 0 | 0 | 271 | 569 | 672 | 627 | 765 | 1190 | 1477 | 1567 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | -1,142 | -989 | -837 | -685 | -533 |
| Less: Tax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | -1,522 | -1,522 | -1,522 | -1,522 | -1,522 |
| Less: Capex | -5,819 | -6,230 | -3,740 | -819 | -789 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 4,073 | 4,361 | 2,618 | 573 | 553 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | -1746 | -1869 | -851 | 323 | 435 | -2037 | -1747 | -1170 | -730 | -489 |

| Financial year | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 1745 | 2197 | 2432 | 2633 | 3190 | 3190 | 3190 | 3629 | 3629 | 3629 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Interest | -381 | -228 | -76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | 0 | 0 | 0 | -215 | -560 | -951 | -968 | -1,136 | -1,150 | -1,162 |
| Less: Debt repayments | -1,522 | -1,522 | -1,522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | -158 | 446 | 833 | 2417 | 2630 | 2239 | 2222 | 2492 | 2479 | 2467 |

| Financial year | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 4135 | 4135 | 4135 | 4721 | 4721 | 4721 | 5400 | 5400 | 5400 | 6189 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | -1,350 | -1,360 | -1,368 | -1,581 | -1,588 | -1,595 | -1,838 | -1,843 | -1,848 | -2,128 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 2785 | 2776 | 2767 | 3140 | 3133 | 3126 | 3562 | 3557 | 3552 | 4061 |

| Financial year | Year 31 | Year 32 | Year 33 | Year 34 | Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 6189 | 6189 | 7107 | 7107 | 7107 | 8176 | 8176 | 8176 | 9424 | 9424 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | -2,132 | -2,136 | -2,460 | -2,463 | -2,465 | -2,841 | -2,843 | -2,845 | -3,284 | -3,285 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 4057 | 4053 | 4647 | 4644 | 4642 | 5334 | 5332 | 5331 | 6140 | 6139 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| EBIDTA | 9424 | 10883 | 10883 | 10883 | 12592 | 12592 | 12592 | 14596 | 14596 | 14596 |
| Less: Dividend payout | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Tax | -3,287 | -3,798 | -3,800 | -3,800 | -4,399 | -4,400 | -4,401 | -5,103 | -5,103 | -5,104 |
| Less: Debt repayments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less: Capex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Financial year | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| Add: Debt Investment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Free Cash Flow to Equity** | 6137 | 7085 | 7084 | 7083 | 8193 | 8192 | 8191 | 9493 | 9492 | 9492 |

## 15.30. Annexure 30 – Project Returns Calculations – Conservative and Aggressive scenarios – Case 2 (PPP developer as the Master Developer)

**Conservative scenario**

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[308] | NPV FCFF (in BDT million) | NPV FCFE (in BDT million) |
|---|---|---|---|---|---|---|
| **Without Pay-out to BEZA approach** | 9.27% | 10.86% | 0.58 | 1.29 | -2954.4 | -1301.0 |
| **Conventional approach** | 6.98% | 7.35% | 0.28 | 1.14 | -8858.4 | -6863.8 |

**Aggressive scenario**

| Scenarios | PIRR | EIRR | Avg. DSCR | BCR[309] | NPV FCFF (in BDT million) | NPV FCFE (in BDT million) |
|---|---|---|---|---|---|---|
| **Without Pay-out to BEZA approach** | 10.41% | 13.14% | 0.94 | 1.50 | -396.9 | 1127.9 |
| **Conventional approach** | 7.88% | 8.57% | 0.60 | 1.33 | -6308.0 | -4593.7 |

[308] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

[309] *Weighted average cost of capital is used as discount factor in BCR calculations with cost of equity as 12%. Calculations pertaining to cost of equity of 10% and 15% have been furnished in Annexures of this report*

## 15.31. Annexure 31 – NPV and BCR Calculations – Case 2 (PPP Developer developing the Project) – Base

Table 190: NPV (@ 10% cost of equity) calculations across scenarios – Case 2

| Scenarios | NPV FCFF (in BDT million) | | | NPV FCFE (in BDT million) | | |
|---|---|---|---|---|---|---|
| | Conservative | Base | Aggressive | Conservative | Base | Aggressive |
| **Without Pay-out to BEZA approach** | -1760.4 | -188.2 | 940.6 | 1339.6 | 3002.6 | 4238.0 |
| **Conventional approach** | -8006.8 | -6615.6 | -5316.8 | -5278.1 | -3886.9 | -2573.3 |

*Source: Financial Model*

Table 191: BCR (@ 10% cost of equity) calculations across scenarios – Case 2

| Scenarios | BCR | | |
|---|---|---|---|
| | Conservative | Base | Aggressive |
| **Without Pay-out to BEZA approach** | 1.40 | 1.53 | 1.62 |
| **Conventional approach** | 1.25 | 1.35 | 1.43 |

*Source: Financial Model*

Table 192: NPV (@ 15% cost of equity) calculations across scenarios – Case 2

| Scenarios | NPV FCFF (in BDT million) | | | NPV FCFE (in BDT million) | | |
|---|---|---|---|---|---|---|
| | Conservative | Base | Aggressive | Conservative | Base | Aggressive |
| **Without Pay-out to BEZA approach** | -4407.1 | -3042.5 | -2048.3 | -3120.8 | -2060.8 | -1235.8 |
| **Conventional approach** | -9864.4 | -8660.5 | -7507.4 | -7621.6 | -6750.4 | -5856.0 |

*Source: Financial Model*

Table 193: BCR (@ 15% cost of equity) calculations across scenarios – Case 2

| Scenarios | BCR | | |
|---|---|---|---|
| | Conservative | Base | Aggressive |
| **Without Pay-out to BEZA approach** | 1.14 | 1.25 | 1.34 |
| **Conventional approach** | 1.01 | 1.11 | 1.18 |

*Source: Financial Model*

# 15.32. Annexure 32 – Mechanisms to improve debt serviceability of the project in case of PPP developer developing the project in case of the Conventional approach

In order to improve the returns and debt serviceability of the project, the following avenues could be explored which would eventually benefit both the private entity and BEZA.

## *Funding the Project through a combination of Commercial and Concessional Loan*

As explained earlier, in case of a PPP developer, commercial loan from financial institutions and banks become a realistic source of obtaining debt in order to fund similar projects according to prevalent infrastructure funding environment in Bangladesh. However, concessional borrowing, if obtained, through support from BEZA and GoB could improve project returns for any private player developing the project and thus enhance attractiveness of the project. This could depend on various factors such as project potential, market reputation, balance sheet exposure, occupancy risk of the project etc. Keeping cognizance of the same, if the project is funded through a combination of commercial and concessional borrowing in the ratio of 35%:35% respectively (with Debt: Equity as 70%:30%), **fails to improve the PIRR to the bankable limit**.

## *Modifying the pre-determined Bid Parameters below desired levels*

As mentioned earlier, a combination of **upfront payment, together with an annual land lease charge and a revenue share to BEZA** emerges as a suitable option for BEZA in case it embarks on the conventional PPP approach. This combination of bid parameters enables BEZA to recover its cost outlay in terms of land acquisition and off-site infrastructure development. However, as demonstrated in the Financial Modelling chapter, the project returns for the private developer under such a scenario exhibits an unhealthy average DSCR (less than 1.00) and project returns remain unattractive. This further diminishes the private developer's chances of obtaining commercial debts to fund the project. In order to improve the same, BEZA may forego or modify the bid parameters determined above. In lieu of the same, **a reduction in the annual land lease to BDT 1 per sq. ft. per annum together with a waiver on revenue share (to BEZA), improves the average DSCR above 1.00 and also consequently enhances the PIRR to ~9.68%.**

## *Through the infusion of Financial Stimuli*

An effective and prevalent project structuring mechanism to make a PPP project financially attractive and bankable for private developers could be through imbibing financial stimuli over existing fiscal incentives provided by BEZA. These financial stimuli could be in the form of Capital subsidy or Viability Gap Funding (VGF) or Opex subsidy or Annuity or a combination of both.

**Capital subsidy or Viability Gap Funding (VGF)**

Viability Gap Funding or VGF is a measure by Govt. authorities to make a PPP project profitable. It refers to a grant to support projects that are economically justified but not financially viable. Such a grant under VGF is provided as a capital subsidy to attract the private sector players to participate in PPP projects that are otherwise financially unviable. Projects may not be commercially viable because of long gestation period and small revenue flows in future. This grant or capital subsidy is generally provided as a one-time payment to meet the capex lay-out of the project and thus making in financially attractive for private bidders. Similar precedence is also prevalent in Bangladesh, where the government extends financial support towards financially unviable but socially and economically beneficial PPP projects to maximize value for money and to imbibe private sector efficiency. GoB has mandated that the VGF in the form of capital grant shall be limited to 40% of the total estimated capital cost of the project.[310] In countries such as India, VGF has been mostly limited to hard core infrastructure such as roads and highways sector but also extendable to power, urban transport, SEZs, etc. As per prevalent norms, the total Viability Gap Funding will not exceed 20% of total project cost, provided that the Government or statutory entity that owns the project may, if it so decides, provide additional grants out of its budget, but not exceeding a further 20% of the total project cost. In India, similar schemes are also exercised at the State level, such as in the state of Assam, VGF is provided by the State Govt. mostly in roads sector and the amount of VGF shall be equivalent to the lowest bid for capital subsidy, but subject to a maximum of 20% of the total project cost. Similarly, under the UDAN scheme proposed by the Govt. of Maharashtra, 50% seats in airplanes are offered at concessional rates to passengers in order to make air travel affordable. In case of vacant seats, the State Govt. shall offer capital subsidy in the form of VGF to the airline operator to compensate the loss.

Table 194: Case study on f VGF[311]

| Project | Project Type | Location |
| --- | --- | --- |
| **Panvel - Indapur Highway project** | **Highway project Build, Operate, Transfer (BOT) mode** | **Maharashtra, India** |
| **Supreme Infra's 84km Panvel-Indapur highway project in Maharashtra was stuck for years due to lack of land clearances, hurting the firm as costs shot up. The project, estimated to cost INR 1,206 crore, was targeting a completion date of June 2017. However, inefficiencies in land acquisition caused delay.**<br><br>**In order to cater to the needs of the project, NHAI extended a VGF of INR 500 crore towards the project. With 60% of the project already completed this provided an impetus to the private developer who went on to complete the phase I & II of the project as per previous expectations thus preventing further delay.** | | |

*Source: PwC Research*

Although there is no precedence of VGF in the economic zone space in Bangladesh but as per VGF rules referred above, it is permissible. An extension of **VGF equal to high as 40%** of the total project cost **improves the project returns (with PIRR of ~12.95%) and enhances the DSCR of the project (above desired levels) thus improving the debt serviceability of the project.**

**Opex subsidy or Annuity**

In addition to capital subsidy, government also extends support in the form of operational subsidy or annuity for a period of time thus helping private developers suffice their operational expenses. Although, this mode of financial support is more prevalent in hardcore infrastructure projects mainly highway projects in countries such as India but as per the guidelines of GoB[312], annuity is disbursed on a periodic basis during the period when the Project Company provides service under the PPP project after commencement of operations and it is deemed applicable for all kinds of PPP projects including priority projects. In India, the extension of annuity is almost entirely limited to roads and highway projects where revenues from tolling are uncertain or will be insufficient to attract BOT operators. The Govt. of India thus devised Engineering, Procurement and Construction (EPC) contracts which entail little or no risk on the part of the private sector. To fill this gap, NHAI has developed the Annuity Concession model. To date, approximately 8% of the length of roadways subject to NHDP funding has been commissioned using the Annuity model.[313] Similarly, Opex subsidy, which can also be considered as annuity, is also extended by the State Govt. in India. For example, the State of Gujarat provides an Opex subsidy of a maximum amount of INR 2.5 million for a period of 10 years to support MSMEs in the State.

[310] *http://www.pppo.gov.bd/download/ppp_office/Rules-for-VGF-for-PPP-Projects-2018.pdf*
[311] *https://www.moneycontrol.com/news/business/companies/nhai-to-infuse-rs-500cr-vgfpanvel-project-supreme-infra-981577.html*
[312] *http://www.pppo.gov.bd/download/ppp_office/Rules-for-VGF-for-PPP-Projects-2018.pdf*
[313] *https://ppiaf.org/sites/ppiaf.org/files/documents/toolkits/highwaystoolkit/6/pdf-version/india.pdf*

Although there is no precedence of annuity or Opex subsidy being extended in the economic zone space in Bangladesh but as per VGF rules referred above, it is permissible. However, even an extension of **Annuity as high as 40%** of the O&M cost (for a period of 15 years from start of operations of the proposed EZ) **although improves the project returns (with PIRR of ~10.22%) but fails to improve the average DSCR of the project above desired level. However, a combination of these two mechanisms, alleviates the shortcoming in debt serviceability of the project, thus indicating the viable nature of the project when BEZA charges pay-outs from the private developer.**

# 15.33. Annexure 33 – Economic Model Calculations

**Total Economic Benefits (conservative)**

| Financial year | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 0 | 0 | 0 | 7 | 21 | 48 | 86 | 129 | 160 | 181 |
| Employment Generation | 0 | 146 | 146 | 286 | 580 | 977 | 1753 | 2643 | 3295 | 3731 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 0 | 146 | 146 | 293 | 601 | 1025 | 1838 | 2772 | 3456 | 3912 |

| Financial year | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 197 | 243 | 280 | 332 | 370 | 452 | 555 | 656 | 656 | 656 |
| Employment Generation | 4070 | 5064 | 5887 | 7042 | 7883 | 9684 | 11959 | 14202 | 14202 | 14202 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 4267 | 5307 | 6167 | 7374 | 8253 | 10136 | 12514 | 14858 | 14858 | 14858 |

| Financial year | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 |
| Employment Generation | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 |

| Financial year | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 |
| Employment Generation | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 |

| Financial year | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 | 656 |
| Employment Generation | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 | 14202 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 | 14858 |

**Total Economic Benefits (Base)**

| Financial year | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 0 | 0 | 0 | 16 | 42 | 84 | 139 | 198 | 247 | 286 |
| Employment Generation | 0 | 146 | 146 | 466 | 1013 | 1720 | 2841 | 4059 | 5068 | 5896 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Economic Benefits | 0 | 146 | 146 | 482 | 1055 | 1804 | 2980 | 4258 | 5315 | 6183 |

| Financial year | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 322 | 389 | 451 | 528 | 594 | 655 | 655 | 655 | 655 | 655 |
| Employment Generation | 6664 | 8130 | 9472 | 11196 | 12665 | 14019 | 14019 | 14019 | 14019 | 14019 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 6986 | 8520 | 9922 | 11724 | 13258 | 14674 | 14674 | 14674 | 14674 | 14674 |

| Financial year | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 |
| Employment Generation | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 |

| Financial year | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 |
| Employment Generation | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Financial year | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Economic Benefits** | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 |

| Financial year | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 | 655 |
| Employment Generation | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 | 14019 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 | 14674 |

| Total Economic Benefits (aggressive) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Financial year** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** | **2030** |
| Net Economic Value Addition by Industries | 0 | 0 | 0 | 25 | 64 | 122 | 195 | 271 | 338 | 398 |
| Employment Generation | 0 | 146 | 146 | 657 | 1471 | 2507 | 3995 | 5559 | 6946 | 8189 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 0 | 146 | 146 | 682 | 1536 | 2629 | 4189 | 5831 | 7285 | 8587 |

| Financial year | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 455 | 545 | 631 | 656 | 656 | 656 | 656 | 656 | 656 | 656 |
| Employment Generation | 9412 | 11377 | 13268 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 |

| Total Economic Benefits (aggressive) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Financial year** | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** | **2030** |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 9867 | 11922 | 13899 | 14482 | 14482 | 14482 | 14482 | 14482 | 14482 | 14482 |

| Financial year | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 656 | 656 | 656 | 304 | 304 | 304 | 304 | 304 | 304 | 304 |
| Employment Generation | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14482 | 14482 | 14482 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 |

| Financial year | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 |
| Employment Generation | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 |

| Financial year | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 |
|---|---|---|---|---|---|---|---|---|---|---|
| Net Economic Value Addition by Industries | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 |
| Employment Generation | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 | 13826 |
| Tax Incentive Availed by the Developer (Loss for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tax Paid by the Developer (Gain for Exchequer) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Economic Benefits** | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 | 14130 |

*All figures are in BDT million*

## *15.34. Annexure 34 – Information Regarding Private EZs*

# লাইসেন্সপ্রাপ্ত বেসরকারি অর্থনৈতিক অঞ্চল-এর হালনাগাদ তথ্য

| ক্র: নং | অর্থনৈতিক অঞ্চলের নাম | জমির পরিমাণ (একর) | নীতমালার অনুচ্ছেদ ৫ (২) মোতাবেক পত্রিকায় প্রকাশের তারিখ গেজেটে প্রকাশের তারিখ | প্রাক-যোগ্যতাপত্র প্রদানের তারিখ | ফিজিবিলিটি স্ট্যাডি রিপোর্ট সংশ্লিষ্ট কমিটি কর্তৃক সুপারিশ প্রদানের তারিখ | মাস্টার প্ল্যান রিপোর্ট সংশ্লিষ্ট কমিটি কর্তৃক সুপারিশ প্রদানের তারিখ | পরিবেশগত ছাড়পত্র প্রদান (EIA অনুমোদন)-এর তারিখ | বেসরকারি অর্থনৈতিক অঞ্চল ঘোষণা সংক্রান্ত গেজেট প্রকাশের তারিখ | লাইসেন্স প্র দানের তারিখ | মেয়াদ উত্তীর্ণের তারিখ |
|---|---|---|---|---|---|---|---|---|---|---|
| ১ | ২ | ৩ | ৪ | ৫ | ৬ | ৭ | ৮ | ৯ | ১০ | ১১ |
| ১ | মেঘনা ইকোনমিক জোন<br>জেলা: নারায়নগঞ্জ<br>উপজেলা: সোনারগাঁও<br>মৌজা: চররমজান সোনউল্লাহ | ৬৭.<br>৯১৬৩ | ৩০/০৭/২০১৫<br>০৩/০৮/২০১৫ | ১৮/১০/২০১৫ | ২৪/০৩/২০১৬ | ৩০/০৩/২০১৬ | ২৭/০৩/২০১৬ | ১৮/০৮/২০১৬ | ২৩/০৮/২০১৬ | ২২/০৮/২০৩১ |
| ২ | আবদুল মোনেম অর্থনৈতিক অঞ্চল<br>জেলা: মুন্সিগঞ্জ উপজেলা: গজারিয়া<br>মৌজা: চর বাউশিয়া, চর জাজিরা | ১৮৯.৯৪ | ২৯/০৪/২০১৬<br>১২/০৫/২০১৫ | ১৬/০৫/২০১৫ | ১০/০৪/২০১৬ | ২৪/০৩/২০১৬ | ১১/০৮/২০১৬ | ২৯/১২/২০১৬ | ০৩/০১/১৭ | ০২/০১/২০৩২ |
| ৩ | আমান ইকোনমিক জোন<br>জেলা: নারায়ণগঞ্জ<br>উপজেলা: সোনারগাঁও<br>মৌজা: সোনাময়ী, ছোটদেওভোগ ও হাড়িয়া | ৮৩.১৩৯৪ | ৯/১২/২০১৫ | ১৫/০২/২০১৬ | ৩১/০৭/২০১৬ | ১৭/১০/২০১ ৬ | ২৮/৬/২০১৬ | ০৮/০৩/২০১৭ | ১৬/০৩/১৭ | ১৫/০৩/২০৩২ |
| ৪ | ‘বে’ ইকোনমিক জোন<br>জেলা: গাজীপুর<br>উপজেলা: কালিয়াকৈর<br>মৌজা: কৌচাকুরি, বাঘিয়া, মিরপুর | ৩৫.০০৭৭ | ১২/০১/২০১৬ | ১১/০২/২০১৬ | ০২/০৫/২০১৬ | ২৩/০৬/২০১৬ | ০৩/১১/২০১৬ | ০৯/০৪/২০১৭ | ২৪/০৪/১৭ | ২৩/০৪/২০৩২ |
| ৫ | মেঘনা ইন্ডাস্ট্রিয়াল ইকোনমিক জোন, সোনারগাঁ নারায়ণগঞ্জ<br>মৌজা: ছোটশীলামান্দি, মল্লিকের পাড়া, ঝগড়াখোলা, কামারগাঁও, শীলামান্দি, জগৎদী, সতরাজদী, মিঠাদী ও রতনদী | ৭১.৯০২০ | ২৫/১১/২০১৬ | ১৯/০১/২০১৭ | ২০/৯/২০১৭ | ২০/৯/২০১৭ | ১/১১/২০১৬ | ১৩/০৯/২০১৭ | ২১/০৯/১৭ | ২০/৯/২০৩৩ |
| ৬ | সিটি ইকোনিমক জোন<br>রুপগঞ্জ, নারায়ণগঞ্জ<br>মৌজা: উত্তর রুপসী, গর্ন্ধবপুর ও চর গর্ন্ধবপুর | ৭৭.৯৬৫৫ | ১১/০৮/২০১৬ | ২২/০৫/২০১৭ | ২৬/১২/২০১৭ | ২৬/১২/২০১৭ | ০৫/০৯/২০১৭ | ১৮/০১/২০১৮ | ২৩/০১/২০১৮ | ২২/০১/২০৩৩ |

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| ৭ | সিরাজগঞ্জ ইকোনমিক জোন<br>জেলা: সিরাজগঞ্জ<br>উপজেলা: বেলকুচী ও সিরাজগঞ্জ<br>মৌজা: সয়দাবাদ, বড়শিমুল পঞ্চসোনা, খাসবড়শিমুল, বিরহাটি, চকবয়রা, বয়রা মাসুম, বড়বেড়া খারুয়া | ১০৩৫.৯৩ | ------- | ২০/০৬/২০১৭ | ০৬/০৩/২০১৮ | ০৬/০৩/২০১৮ | ২৬/১১/২০১৭ | ১৯/০৬/২০১৮ | ০৪/১০/২০১৮ | ৩/১০/২০৩৩ |
| ৮ | কর্ণফুলী ড্রাই ডক স্পেশাল ইকোনমিক জোন<br>জেলা: চট্টগ্রাম<br>উপজেলা: আনোয়ারা<br>মৌজা: বাদলপুরা | ১৬.০৮৬১ | ১৭/০৯/২০১৭ | ১৭/০৯/২০১৭ | ২৫/০৪/২০১৮ | ২৫/০৪/২০১৮ | ১৪/০২/২০১৮ | ২৪/০১/২০১৯ | ৭/০২/২০১৯ | ৬/০২/২০৩৪ |
| ৯ | কিশোরগঞ্জ ইকোনমিক জোন<br>জেলা: কিশোরগঞ্জ<br>উপজেলা: পাকুন্দিয়া<br>মৌজা: মাইজহাটি | ৯১.৬৩ | ২৮/০৫/২০১৭ | ০৩/০৭/২০১৭ | ১৯/০৭/২০১৮ | ১৯/০৭/২০১৮ | ২৭/০৩/২০১৮ | ১৪/০১/২০১৯ | ১৮/০২/২০১৯ | ১৭/০২/২০৩৪ |
| ১০ | ইস্ট ওয়েস্ট স্পেশাল ইকোনমিক জোন<br>জেলা : ঢাকা<br>উপজেলা: কেরাণীগঞ্জ<br>মৌজা: হাজারীবাগ, আইন্তা | ১০২.৬৯৯২ | ২২/০৬/২০১৬ | ২৮/০৭/২০১৬<br>সংশোধিত<br>১০/০৪/২০১৮ | ৯/১০/২০১৮ | ৯/১০/২০১৮ | ৯/০৮/২০১৮ | ১৩/০২/২০১৯ | ২৫/০২/২০১৯ | ২৪/০২/২০৩৪ |
| ১১ | হোসেন্দী ইকোনমিক জোন<br>জেলা: মুন্সিগঞ্জ<br>উপজেলা: গজারিয়া<br>মৌজা: চর বেতাকী, ভবানীপুর, রঘুর চর, হোসেন্দী | ১০৮.০৫৭০ | ০৫/১২/২০১৮ | ০৭/০১/২০১৯ | ১৭/০৬/২০১৯ | ১৭/০৬/২০১৯ | ০৭/০৪/২০১৯ | ১৯.১২.২০১৯ | ০১.০১.২০২০ | ৩১.১২.২০৩৫ |

# প্রাক-যোগ্যতাপত্রপ্রাপ্ত বেসরকারি অর্থনৈতিক অঞ্চল-এর হালনাগাদ তথ্য

| ক্র: নং | অর্থনৈতিক অঞ্চলের নাম | জমির পরিমাণ (একর) | নীতমালার অনুচ্ছেদ ৫ (২) মোতাবেক পত্রিকায় প্রকাশের তারিখ গেজেটে প্রকাশের তারিখ | প্রাক-যোগ্যতাপত্র প্রদানের তারিখ / বর্ধিত সময় | ফিজিবিলিটি স্ট্যাডি রিপোর্ট অনুমোদনের তারিখ | মাস্টার প্ল্যান অনুমোদনের তারিখ | পরিবেশগত ছাড়পত্র প্রদান (EIA অনুমোদন)-এর তারিখ | মেয়াদ উত্তীর্ণের তারিখ |
|---|---|---|---|---|---|---|---|---|
| ১ | ২ | ৩ | ৪ | ৫ | ৬ | ৭ | ৮ | ৯ |
| ১ | এ কে খান বেসরকারি অর্থনৈতিক অঞ্চল<br>জেলা: নরসিংদী<br>উপজেলা: পলাশ<br>মৌজা: কাজের ও কাজিরচর | ২০০ | ২৬/১২/২০১৪-<br>১১/০১/২০১৫ | ১০/০২/২০১৫<br>০৯/০৫/২০১৬<br>০৮/১১/২০১৬ | ২১/০৬/২০১৬ | ২১/০৬/২০১৬ জমা প্রদান করা হয়েছে শংশোধনের কাজ চলছে | ২০/০৪/২০১৭ | ০৮/১১/২০১৭ |
| ২ | আরিশা বেসরকারী অর্থনৈতিক অঞ্চল<br>জেলা: ঢাকা<br>উপজেলা: কেরাণীগঞ্জ, সাভার<br>মৌজা: ঘাটারচর,ওয়াশপুর, শ্যামলাপুর | ৫০.৮১২১ | ০৫/০২/২০১৬ | ১৪/০৩/২০১৬<br>১৪/০৩/২০১৭<br>১৪/০৩/২০১৮ | সংশোধিত ফিজিবিলিটি রিপোর্ট জমা দেওয়া হয়েছে | | ২২/০২/২০১৭ | ১৩/০৩/২০১৯ |
| ৩ | ইউনাইটেড সিটি IT Park লি:<br>জেলা: ঢাকা<br>উপজলো: বাড্ডা ও ভাটারা<br>মৌজা: সাতারকুল | ২.৪৪৩২ | ২৬/১২/২০১৪ | ১৮/০৭/২০১৬ | ফিজিবিলিটি রিপোর্ট জমা দেওয়া হয়েছে | | EIA রিপোর্ট জমা দেওয়া হয়েছে | ১৭/০৭/২০১৮ |
| ৪ | বসুন্ধরা স্পেশাল ইকোনমিক জোন<br>জেলা : ঢাকা<br>উপজেলা: কেরাণীগঞ্জ<br>মৌজা: কাটুরাইল | ৫৬.০৮২০ | ২২/০৬/২০১৬<br>২৩/০৬/২০১৬ | ২৮/০৭/২০১৬ | | | | ২৭/০৭/২০১৮ |
| ৫ | সোনারগাঁও ইকোনমিক জোন<br>জেলা: নারায়নগঞ্জ<br>উপজেলা: সোনারগাঁও<br>মৌজা: চরভবনাথপুর ও ভাটিবন্দ | ৫৫.০০৭৮ | ২২/০৭/২০১৬<br>২৩/০৭/২০১৬ | ২৪/০৮/২০১৬ | | | | ২৩/০৮/২০১৮ |
| ৬ | আকিজ ইকোনমিক জোন<br>জেলা: ময়মনসিংহ<br>উপজেলা: ত্রিশাল | ১০০.০০ | ২৮/০৭/২০১৬ | ২১/০৯/২০১৬ | ০৫/১২/২০১৮ | ০৫/১২/২০১৮ | ০২/০৪/২০১৭ | ২০/০৯/২০১৮ |

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|---|---|---|---|---|---|---|---|---|
| | মৌজা: খাগাতীপাড়া | | | | | | | |
| ৭ | কুমিল্লা ইকোনমিক জোন<br>জেলা: কুমিল্লা<br>উপজেলা: মেঘনা<br>মৌজা: সোনাচর | ১০২.৫৮৩০ | ১৪/১০/২০১৬ | ০৮/১২/২০১৬ | | | | ০৮/১২/২০১৮ |
| ৮ | হামিদ ইকোনমিক<br>জেলা: ময়মনসিংহ<br>উপজেলা: ত্রিশাল<br>মৌজা: নারায়নপুর ও খাগাতীপাড়া | ৫৫.৭০৭ | | ২৬/১২/২০১৮ | | | | ২৫/১২/২০১৯ |
| ৯ | স্ট্যান্ডার্ড গ্লোবাল ইকোনমিক জোন লি:<br>জেলা: মুন্সিগঞ্জ<br>উপজেলা: গজারিয়া<br>মৌজা: বড় বালুয়াকান্দি | ১০৮.৩২৯৪ | | ২৭/০১/২০১৯ | | | | ২৬/০২/২০২০ |

মোট জমির পরিমাণ: লাইসেন্স প্রাপ্ত-১৮৮২.২৭৩২ একর এবং প্রাক-যোগ্যতাপত্র প্রাপ্ত-৭৩০.৯৬৪৫ একর মোট (১৮৮২.২৭৩২ + ৭৩০.৯৬৪৫ )=২৬১৩.২৩৭৭ একর

## *15.35. Annexure 35 – Affected Plot Details*

ডায়েরী নং ঃ ৬৫২০
তারিখ ঃ ০৪/৯/১৯

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
জেলা প্রশাসকের কার্যালয়, ঢাকা
(রাজস্ব শাখা)
www.dhaka.gov.bd

স্মারক সংখ্যা- ০৫.৪১.২৬০০.০১২.৫২.০৯৭.১৯ - ২৪৬৫ (১১) (সং) তারিখ ঃ ১১ ভাদ্র ১৪২৬
২৬ আগস্ট ২০১৯

**বিষয় ঃ <u>অর্থনৈতিক অঞ্চল প্রতিষ্ঠার লক্ষ্যে প্রস্তাবিত স্থানের জমির মালিকানা, দাগসূচী ও মৌজা ম্যাপ প্রেরণ।</u>**

সূত্র ঃ ১। বাংলাদেশ অর্থনৈতিক অঞ্চল কর্তৃপক্ষ, প্রধানমন্ত্রীর কার্যালয়ের স্মারক নং- ০৩.৭৫২.১৪.৩৯.০০.১৫৪.২০১৪-১২৭৯; তারিখঃ ১৬/০৫/১৯।

উপর্যুক্ত বিষয় ও সূত্রোক্ত স্মারকের প্রেক্ষিতে জানানো যাচ্ছে যে, সূত্রোক্ত স্মারকে অর্থনৈতিক অঞ্চল কর্তৃপক্ষ ঢাকা জেলার নবাবগঞ্জ উপজেলার কৈলাইল ইউনিয়নের দৌলতপুর মৌজার প্রায় ৫০০/৬০০ একর জমিতে অর্থনৈতিক অঞ্চল স্থাপনের লক্ষ্যে অধিগ্রহণ/বন্দোবস্ত নেয়ার জন্য প্রস্তাবিত স্থানের জমির মালিকানা, দাগসূচী ও মৌজা ম্যাপ আলাদা আলাদা কালি দ্বারা চিহ্নিত করে প্রস্তাবিত জমির অধিগ্রহণ সম্ভাব্য মূল্য প্রেরণের জন্য অনুরোধ করেছেন। তৎপ্রেক্ষিতে সহকারী কমিশনার (ভূমি), নবাবগঞ্জ, ঢাকা-কে প্রতিবেদন দাখিল করতে বলা হলে তিনি প্রতিবেদন দাখিল করেছেন (কপি সংযুক্ত)।

প্রতিবেদন পর্যালোচনায় দেখা যায়, অর্থনৈতিক অঞ্চল প্রতিষ্ঠার জন্য প্রস্তাবিত নবাবগঞ্জ উপজেলাধীন কৈলাইল ইউনিয়নের দৌলতপুর মৌজায় ব্যক্তিমালিকানা জমির পরিমান ৮৩৪.০০ একর এবং সরকারী খাস জমির পরিমাণ ৪০.০০ একর সহ সর্বমোট জমির পরিমাণ ৮৭৪.০০ একর। জমির দাগসূচী ও মৌজা ম্যাপে আলাদা আলাদা কালি দ্বারা চিহ্নিত করা হয়েছে। প্রস্তাবিত জমির অধিগ্রহণ/বন্দোবস্তের জন্য প্রতি শতাংশ নাম শ্রেণী জমির বাজারমূল্য ২০,৩৯৬/- (বিশ হাজার তিনশত ছিয়ানব্বই) টাকা হিসেবে প্রতি একর নাল শ্রেণী জমির বাজারমূল্য ২০,৩৯,৬০০/- (বিশ লক্ষ উনচল্লিশ হাজার ছয়শত) টাকা। তিনগুন মূল্যে মোট ৮৭৪.০০ একর জমির সম্ভাব্য বাজারমূল্য ৫৩৪,৭৮,৩১,২০০/- (পাচঁশত চৌত্রিশ কোটি আটাত্তর লক্ষ একত্রিশ হাজার দুইশত) টাকা প্রায়।

উল্লেখ যে, সাব-রেজিষ্ট্রার, নবাবগঞ্জ, ঢাকা কর্তৃক ২০১৮ সনে প্রদত্ত গড় বাজারমূল্যের ভিত্তিতে আনুমানিক এ সম্ভাব্য প্রাক্কলন প্রস্তুত করা হয়েছে। অধিগ্রহণ কার্যক্রম শুরুর পরে আইন অনুসারে অধিগ্রহণকৃত ভূমির প্রাক্কলন প্রস্তুত করা হবে। সম্ভাব্য প্রাক্কলন ও অধিগ্রহণ কার্যক্রম শুরুর পরে আইন অনুসারে প্রস্তুতকৃত প্রাক্কলনের অর্থের কম/বেশি হতে পারে।

এমতাবস্থায়, এ প্রতিবেদন মহোদয়ের সদয় অবগতি ও পরবর্তী প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য এসাথে প্রেরণ করা হলো।

**সংযুক্তিঃ বর্ণানামতে ৫৬ ফর্দ**

২২/৮/১৯

আবু ছালেহ মোহাম্মদ ফেরদৌস খান
জেলা প্রশাসক
ঢাকা।
ফোন- ৯৫৫৬৬২৮
ই-মেইল : dcdhaka@mopa.gov.bd

নির্বাহী চেয়ারম্যান
বেজা
মোনেম বিজনেস ডিস্ট্রিক্ট (লেভেল-১২)
১১১ বীর উত্তম, সি.আর দত্ত রোড, ঢাকা।

**<u>অনুলিপিঃ (সদয় জ্ঞাতার্থে)</u>**

জনাব আবু হেনা মোঃ মুস্তাফা কামাল
(উপসচিব)
ব্যাবস্থাপক (বিনিয়োগ উন্নয়ন)
মোনেম বিজনেস ডিস্ট্রিক্ট (লেভেল-১২)
১১১ বীর উত্তম, সি.আর দত্ত রোড, ঢাকা।

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০৩/০৭/১৯, সাধারণ

ADC (R)
ADC (LA)

(একই স্মারক ও তারিখে স্থলাভিষিক্ত)

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

স্মারক নং-০৫.৪১.২৬০০.২৯০.১৬.০০১.১৯- ১৪৭৮( সং)
তারিখ: ০৩ শ্রাবণ ১৪২৬ / ১৮ জুলাই ২০১৯

বিষয় ঃ অর্থনৈতিক অঞ্চল প্রতিষ্ঠার লক্ষ্যে প্রস্তাবিত স্থানের জমির মালিকানা, দাগসূচী ও মৌজা ম্যাপ প্রেরণ।

সূত্র ঃ ০৫.৪১.২৬০০.০১২.৫২.০৯৭.১৯-১৪৫৩(১) (সং), তাং- ২৯ মে ২০১৯।

উপর্যুক্ত বিষয় ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, নবাবগঞ্জ উপজেলাধীন কৈলাইল ইউনিয়নের অন্তর্গত দৌলতপুর মৌজায় "অর্থনৈতিক অঞ্চল" স্থাপনের লক্ষ্যে ৫০০/৬০০ একর ভূমি অধিগ্রহণ/বন্দোবস্তের জন্য প্রস্তাবিত স্থানের জমির মালিকানা, দাগসূচি ও মৌজা ম্যাপ আলাদা আলাদা কালি দ্বারা চিহ্নিত করে প্রস্তাবিত জমির অধিগ্রহণ সম্ভাব্য মূল্য নির্ধারণপূর্বক প্রস্তাব চাওয়া হয়েছে। সেপ্রেক্ষিতে বাংলাদেশ অর্থনৈতিক অঞ্চল কর্তৃপক্ষ (বেজা) প্রতিনিধিসহ প্রস্তাবিত স্থান সরেজমিনে পরিদর্শন করা হয়। বাংলাদেশ অর্থনৈতিক অঞ্চল কর্তৃপক্ষ (বেজা) এর প্রতিনিধিসহ সরেজমিনে পরিদর্শন কালে দেখা যায়, দৌলতপুর মৌজায় ৫০০/৬০০ একর ভূমিতে "অর্থনৈতিক অঞ্চল" প্রতিষ্ঠার জন্য প্রস্তাব চাওয়া হলেও বাস্তবে দৌলতপুর মৌজায় ৮৭৪ একরের অধিক ভূমিতে অর্থনৈতিক অঞ্চল গড়ে তোলা সম্ভব।

RDC
০২। উল্লেখ্য, প্রস্তাবিত স্থানের পার্শ্বে ধলেশ্বরী নদী প্রবাহমান রয়েছে। যোগাযোগের ক্ষেত্রে নৌপথ গুরুত্বপূর্ণ ভূমিকা রাখে। বাস্তব পরিস্থিতি এবং ভবিষ্যতে সম্প্রসারণের বিষয়টি বিবেচনায় রেখে উল্লিখিত স্থানে ৮৭৪ একরের অধিক ভূমিতে অর্থনৈতিক অঞ্চল প্রতিষ্ঠিত হলে অর্থনৈতিক কর্মকান্ড বৃদ্ধিসহ দেশের সামগ্রিক অর্থনৈতিক উন্নয়ন গতিশীল হবে। এছাড়া জনসাধারণের কর্মসংস্থান সৃষ্টিসহ দেশের অর্থনৈতিক উন্নয়নের ধারা অব্যাহত থাকবে এবং দেশের প্রবৃদ্ধি অর্জনে কার্যকর ভূমিকা রাখবে।

০৩। এমতাবস্থায়, নবাবগঞ্জ উপজেলাধীন কৈলাইল ইউনিয়নের অন্তর্গত দৌলতপুর মৌজায় "অর্থনৈতিক অঞ্চল" স্থাপনের লক্ষ্যে ৫০০/৬০০ একর ভূমির স্থলে ৮৭৪(আটশত চুয়াত্তর) একরের অধিক ভূমি অধিগ্রহণ/বন্দোবস্তের জন্য প্রস্তাবিত স্থানের জমির মালিকানা, দাগসূচি ও মৌজা ম্যাপ আলাদা আলাদা কালি দ্বারা চিহ্নিত করে প্রস্তাবিত জমি অধিগ্রহণের সম্ভাব্য মূল্য প্রতি শতাংশ নাল শ্রেণী জমির মূল্য = ২০,৩৯৬/-টাকা,প্রতি একর নাল শ্রেণী জমির মূল্য = ২০,৩৯,৬০০/-টাকা, তিনগুন মূল্যসহ মোট জমির সম্ভাব্য মূল্য = ৫৩৪,৭৮,৩১,২০০/- (পাচঁশত চৌত্রিশ কোটি আটাত্তর লক্ষ, একত্রিশ হাজার দুই শত টাকা) নির্ধারণপূর্বক প্রস্তাব মহোদয়ের সদয় অবগতি ও পরবর্তী প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য প্রেরণ করা হলো।

সংযুক্তি ঃ
১। মৌজা ম্যাপ
২। প্রস্তাবিত ভূমির ম্যাপ
৩। প্রস্তাবিত ভূমির দাগসূচী

২৮.০৭.১৯

মোঃ রাজিবুল ইসলাম
সহকারী কমিশনার (ভূমি)
নবাবগঞ্জ, ঢাকা।

জেলা প্রশাসক
ঢাকা।

অনুলিপি ঃ সদয় অবগতির জন্য-
১। মাননীয় প্রধানমন্ত্রীর বেসরকারি শিল্প ও বিনিয়োগ উপদেষ্টা মহোদয়ের একান্ত সচিব(উপদেষ্টা মহোদয়ের সদয় অবগতির জন্য)
২। অতিরিক্ত জেলা প্রশাসক (রাজস্ব), ঢাকা।
৩। উপজেলা নির্বাহী অফিসার, নবাবগঞ্জ, ঢাকা।

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অর্থনৈতিক অঞ্চল প্রতিষ্ঠার লক্ষ্যে প্রস্তাবিত স্থানের জমির ব্যক্তিমালিকানা ও সরকারী খাস জমির পরিমানঃ- ৮৭৪.০০ .০০ একর

০১ ।ব্যক্তিমালিকানা জমির পরিমান ঃ- ৮৩৪.০০ একর
০২ ।সরকারী খাস  জমির পরিমান  ঃ-  ৪০.০০একর

## জমির সম্ভাব্য মূল্য

প্রতি শতাংশ নাল শ্রেণী জমির মূল্য = ২০,৩৯৬/-টাকা
প্রতি একর নাল শ্রেণী জমির মূল্য  = ২০,৩৯,৬০০/-টাকা
তিনগুন মূল্যসহ মোট জমির সম্ভাব্য মুল্য = ৫৩৪,৭৮,৩১,২০০/- (পাচঁশত চৌত্রিশ কোটি আটাত্তর লক্ষ, একত্রিশ হাজার দুই শত  টাকা) প্রায়।

মোঃ আবু জাফর
সার্ভেয়ার
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা

মোঃ বাদল মিয়া
কানুনগো (ভারপ্রাপ্ত)
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

মোঃ রাজিবুল ইসলাম
সহকারী কমিশনার (ভূমি)
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

# অর্থনৈতিক অঞ্চল প্রতিষ্ঠার লক্ষ্যে প্রস্তাবিত স্থানের জমির দাগসূচী

জেলা-ঢাকা, উপজেলা- নবাবগঞ্জ, মৌজা- দৌলতপুর, জে.এল নং- ১১৮

| ক্রমিক নং | দাগ নং | খতিয়ান | মোট জমির পরিমাণ (একর) | প্রস্তাবিত জমির পরিমাণ | রেকর্ডীয় মালিক | মন্তব্য |
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| ১৫৯২ | ৭০৭৭ অং | ১১৭৫ | ০.৩২ | ০.১৬ | | |
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| ১৬০২ | ৭০৮৭ | ৫৭২ | ০.২৩ | ০.২৩ | | |
| ১৬০৩ | ৭০৮৮ | ৫৭২ | ০.৩২ | ০.৩২ | | |
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| ১৬০৫ | ৭০৯০ | ৬৩৫ | ০.৩৭ | ০.৩৭ | | |
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| ১৬৩৬ | ৭১২১ | ৫৮৪ | ০.১৪ | ০.১৪ | | |
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মোট প্রস্তাবিত জমির পরিমান = ৮৭৩.৯৬ একর (প্রায়)
ব্যাক্তি মালিকানাধীন জমির পরিমান = ৮৩৪ একর (প্রায়)
খাস জমির পরিমান = ৩৯.৯৬ একর (প্রায়)

২৪/০৭/১৯
মোঃ আবু জাফর
সার্ভেয়ার
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

মোঃ বাদল মিয়া
কানুনগো (ভারপ্রাপ্ত)
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

২৫.০৭.১৯
মোঃ মাজিবুল ইসলাম
সহকারী কমিশনার (ভূমি)
উপজেলা ভূমি অফিস
নবাবগঞ্জ, ঢাকা।

১লা জানুয়ারী২০১৭ইং হইতে ৩১ শে ডিসেম্বর ২০১৮ ইং সন পর্যন্ত প্রযোজ্য .

নবাবগঞ্জ সাব-রেজিষ্ট্রি অফিসের অধিক্ষেত্রের আওতাভূক্ত

ব্যক্তি মালিকানাধীন সম্পত্তির প্রতি শতকের

শ্রেণী ভিত্তিক বাজার মূল্য তালিকা

৭। ইউনিয়ন ঃ কৈলাইল।

| আর, এস, মৌজা | মৌজার নাম | নাল/বোর/ছিরি বাদুরসর/ গড় লায়েক পতিত | পুকুর/ডোবা/ মাটিয়াল | বাগান/বাঁশঝাড় | চালা ভিটি ও ভিটি/গো-চারন/চালা/ পালান | বাড়ী | দোকান ভিটি | গড় লায়েক পতিত | মন্তব্য |
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| ১ | ২ | ৩ | ৪ | ৫ | ৬ | ৭ | ৮ | ৯ | ১০ |
| ১১৩ | মেলেং | ৪৯,৬৫১ | ২,৫২৭ | *২,১৮১ | *২৯,২০০ | ১,৮৯,২২৫ | | | |
| ১১৭ | মাশাইল | ৫১,৭৫৯ | ৪৪,৪৩০ | ১,৫০,৬০৩ | *২১,৬১৬ | ১,০৯,৫১৬ | | | |
| ১১৯ | কৈলাইল | ১৩,৫৮০ | ৭৭,৭৯০ | *১,০৮১ | ৪৪,৮০০ | ৫৭,৫০৩ | | | |
| ১১৬ | দিগরনাড়া | ৪৫,৭২২ | *২,৫০০ | *৬০০ | *১৬,০০০ | ১,০৮,০০০ | | ২০,০০০ | |
| ১১৪ | পাড়গ্রাম | ৫৯,১৯৫ | *১১,৬৬৭ | *৮৭৫ | *১,৫২,৩১৯ | ১,৫২,৬৪৮ | | | |
| ১১৮ | দৌলতপুর | ২০,৩৯৬ | *১৮,৮৭৪ | *৮২৮ | ৬৫,০৫৬ | ১,০৩,২১১ | | | |
| ১১৫ | ফুলদুরা | ২৬,৮০৪ | *৪২০ | *৫৯০ | *৫,৭৮৫ | *১,৯৪,৮০৫ | | | |

বাজার মূল্য নির্ধারণ কমিটি কর্তৃক অনুমোদিত

মোঃ রেজাউল করিম বক্সী
সদস্য সচিব
বাজার মূল্য নির্ধারণ কমিটি
ও
সাব-রেজিষ্ট্রার, নবাবগঞ্জ, ঢাকা।
তারিখ ঃ 06/12/2026

মোঃ আবুল কালাম আজাদ
মনোনিত সদস্য
বাজার মূল্য নির্ধারণ কমিটি
ও
সাব-রেজিষ্ট্রার, দোহার ঢাকা।
তারিখ ঃ 06/12/2026

দীপক কুমার সরকার
জেলা রেজিষ্ট্রার, ঢাকা
ও
সভাপতি
সম্পত্তির বাজার মূল্য নির্ধারণ কমিটি।
তারিখ ঃ

## 15.36. Annexure 36 – Baseline Monitoring report

# Nawabganj Economic Zone

## Environmental Baseline Report

**(January, 2021)**


**BANGLADESH ENVIRONMENTAL ENGINEERING TRAINING & LAB SERVICES LTD.**

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**Email: info.beetlsl@gmail.com**

# EXECUTIVE SUMMARY

Bangladesh has been depicting sound growth with Gross Domestic Product (GDP) growth rate ranging over 6% in the last decade. The country is taking rapid strides towards shaping up as a “developed economy” by 2041. The country aims to become efficiency driven economy in the future by focusing on efficient process and technology enablement to produce specialized products and to obviate the import dependency. For the economic development of nation of a country, investment is a crucial component that cannot be overlooked. Bangladesh has a broad market oriented economy and offers the most investor friendly regulatory regime in South Asia. The country provides trainable, enthusiastic, hardworking and competent labor force for labor intensive industries. Bangladesh is a highly populated country. Economic growth will enhance the purchasing power of that population and make the country a significantly big market. Bangladesh is endowed with abundant supply of natural gas, water, and its soil is very fertile. The Geographical location of the country is ideal for global trade with very convenient access to international sea and air route. Current government has targeted to make Bangladesh a middle income country within 2021 by creating economic zones in different investment sectors under the constitution of Bangladesh Economic Zone Authority (BEZA).

Nawabganj Economic Zone is such an initiatives located at Dhaka district of Dhaka division. The total land area is 244.81 km2. Nawabganj had a population of 269,189. Males constituted 49.31% of the population, and females 50.69%. 134,813 residents were over eighteen. Nawabganj had an average literacy rate of 34.5% (7+ years). Most of the people of Nawabganj upazila depended on Dhaka the capital city of the country for their livelihood. This strategic location will help industries in proposed Economic Zone site, cater to the consumer market in Dhaka.

**Air Quality Monitoring**

The condition of environmental quality in the locality of project site serves as the basis for identification, prediction and evaluation of impacts. The environmental quality was assessed through extensive field visits within the project impact zone for various components of the environment and in order to depict the existing physical environment in the project area.

The result found for ambient air quality monitoring shows concentrations of the SPM, $SO_2$ and $NO_2$ in the ambient air. From the results it is discernible that all the parameters are within the permissible limits.

**Monitoring of Noise Level**

Noise is an important environmental physical pollutant. A survey by the U S. Federal Council of Science and Technology has revealed that noise is a technology generated problem and that the overall loudness of environmental noise doubles every ten years in pace with our social and industrial progress. This geometric progression wise growth of noise could be mind-boggling in view of the ever-increasing pace of technological growth. Noise quality has been measured instantly on the site by Noise level meter. At each location Leq data was taken uninterruptedly for 8 hours. At the time of measurement, whenever there was an interfering effect like mike noise, human voice from house and bazaar, vehicular sound, sound of machine and tool from workshop etc., was also recorded. According to the Department of Environment (ECR-1997), the standard for ambient noise level in the industrial zone is 75 decibels at day & 70 decibels at night. In that case all the results were found within the limit as per DoE Standards.

**Monitoring of Surface & Ground Water**

Water quality is one of the important indicators of the environment. Presence of Dhaleshwari and Ichamati rivers which are adjacent to the proposed EZ provides source of surface water. Surface and Groundwater samples were collected from the Ichamati River and a tube well respectively to understand the baseline condition of the water quality in the study area. Major physicochemical parameters such as pH, EC and TDS, of the surface water quality were measured in-situ during the field visit while the rests were measured in the lab. For the groundwater, water sample was collected from the tube-wells at the identified area and tested in BEETLSL Environmental Laboratory. All of the parameters of surface and ground water were found within the DoE standard. .

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## ABBREVIATIONS AND NOTATIONS

| | | |
|---|---|---|
| ASTM | : | American Society for Testing and Materials |
| AASHTO | : | American Association of State Highway Transportation Official |
| BNBC | : | Bangladesh National Building Code |
| API | | American Petroleum Institute |
| B.M | : | Bench Mark |
| EGL | : | Existing Ground Level |
| F.M | : | Fineness Modulus |
| SBC | : | Safe Bearing Capacity |
| FoS | : | Factor of Safety |
| GWT | : | Ground Water Table |
| KN | : | Kilo Newton |
| LL | : | Liquid Limit |
| MN | : | Mega Newton |
| MPa | : | Mega Pascal |
| NBC | : | Net Bearing Capacity |
| TBM | : | Temporary Bench Mark |
| USCS | : | Unified Soil Classification System |
| UCT | : | Unconfined Compression Test |
| UD | : | Undisturbed Sample |
| Cc | : | Compression index |
| Cr | : | Recompression index |
| Cs | ; | Swelling index |
| Cz | : | Coefficient of curvature |
| Cu | : | Coefficient of uniformity |
| cu | : | Undrained shear strength |
| c | : | Apparent cohesion |
| F | : | Silt factor |
| Fb | : | Unit end bearing |
| Fs | : | Unit skin friction |

| | | |
|---|---|---|
| Nc | : | Bearing capacity factor |
| Qult | : | Ultimate load bearing capacity |
| Qs | : | Friction or shaft friction or side shear of the pile |
| Qb | : | Base or tip of the pile |
| qu | : | Unconfined compression strength |
| σ´z | : | Effective stress |
| σ | : | Normal stress |
| τ | : | Shearing stress |
| ε | : | Strain |

# 1 INTRODUCTION

## 1.1 Project Background

Nawabganj Economic Zone government approved multi-sector Economic Zone in the country, with a large area of 7000 acres. The Zone has the potential to fulfill the conditions necessary to become a successful economic zone. It is located in Nawabganj Upazila, Dhaka district of Dhaka division. Currently, Regional landscape of Dhaka district indicates that the economy of Dhaka district is agro-based in the rural area and industry based in the urban area. A significant population from Nawabanj Upzilla district also travels to Dhaka city in search of employment.

The economy of Dhaka district is agro-based in the rural area and industry-based in the urban area. Varieties of crops are available in this district such as local and HYV rice, wheat, jute, tobacco, potato vegetables, spices, pulses etc. Various fruits like mango, jackfruit, lychee, black berry, palm betel-nut, banana etc. are the main fruits produced in this district.2 Besides crops, livestock, poultry and fishery are the important sources of household income in the district. Varieties of commercial fish are caught from rivers, beels and paddy fields during rainy season.

Main crops cultivated in the Nawabganj upazila are Paddy and spices, potato and pulse. Major fishing activities are undertaken in Ichamati and Dhaleshwari River. These agricultural and fish-based resources can act as steady supply of raw materials to the proposed EZ.

There has been industrial development in the region surrounding the proposed EZ. BSCIC Industrial estate at Keraniganj is at ~4 km from the proposed EZ. Currently it has agro based industries and leather products industries. According to UNO officials, the upazila also has few Brick Kiln fields within ~10 km of the proposed EZ.

For any location to shape up as a potential EZ, access to multimodal connectivity is an important feature. Dhaka-Mawa Highway (N8) (~13 km) is the nearest national highway. Nearest highway for the proposed EZ is Keraniganj-Nawabganj road (R820), which is connected with N8. R820 is a two-lane bituminous road which supports the movement of heavy vehicles. • N8 connects the proposed EZ with Dhaka (39 km) and further connects with 4-lane Dhaka – Chittagong (N1) highway, thus connecting the proposed EZ with Comilla (112 km), and Chittagong (256 km). Kamalapur railway station (approx. 23 km) is the nearest junction station which has cargo handling facility. It can be reached from Keraniganj-Nawabganj road (R820). Kamalapur railway station is connected to all the major nodes of the country.

The proposed project is one of the environmental friendly projects. As enhancement plan, BEZA will develop a green belt in the EZ site.. However to ensure the proper planning at first it is necessary to identify the impact so baseline monitoring is essential issue. Bangladesh Environmental Engineering Training & Lab Services Ltd. (BEETLSL) project team will perform these overall baseline survey for executing the said project for Environmental Compliance of the client..

## 1.2 Purpose of the Report

The main purpose of this Environmental Baseline Monitoring Report is to understand the current conditions of the area, and how the project needs to be implemented considering these conditions. Second, it helps us assess and predict the possible environmental changes that could occur, once the project is underway.

## 1.3 Locations of the Project Areas

The site is located Nawabganj upazila, Dhaka district of Dhaka division. Proposed site can be reached from Dhaka- Mawa by accessing Nawabganj upozila road. Dhaka-Mawa Highway (N8) (~13 km) is the nearest national highway. Nearest highway for the proposed EZ is Keraniganj-Nawabganj road (R820), which is connected with N8. R820 is a two-lane bituminous road which supports the movement of heavy vehicles. N8 connects the proposed EZ with Dhaka (39 km) and further connects with 4-lane Dhaka – Chittagong (N1) highway, thus connecting the proposed EZ with Comilla (112 km), and Chittagong (256 km). Kamalapur railway station (approx. 23 km) is the nearest junction station which has cargo handling facility. It can be reached from Keraniganj-Nawabganj road (R820). Kamalapur railway station is connected to all the major nodes of the country.

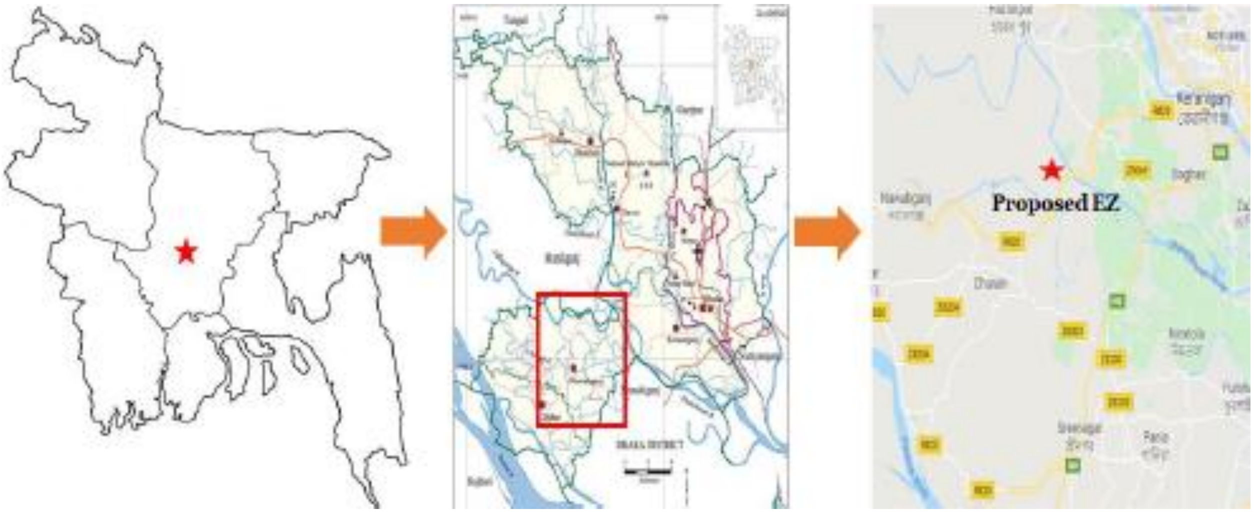


**Figure 1.1: Project location**

## 1.4 Scope of Works

BEETLSL has been engaged by PricewaterhouseCoopers Private Limited ("PwC") for preparing Environmental Baseline monitoring reports Nawabganj Economic Zone. A baseline study is essential in order to be able to determine the level of impact expected and to enable the monitoring of impacts after the development has occurred. According to the Technical specification, the environmental baseline report of this project includes following scope of work::

- Conducting primary monitoring for ambient air, ambient noise, groundwater and surface water as per the below scope in accordance to Bangladesh DoE, WHO, etc. guidelines;
- Baseline Monitoring report by elaborating sampling, preservation technique, transportation and analysis methodology for each and every parameters;
- The baseline monitoring report must explain results with proper inferences and compare with prevailing standards of DoE-Bangladesh, WHO, etc. and
- Photographs and GPS coordinates for all the monitoring / sampling locations must be taken and should be presented in the report.

***Table 1.1:*** *Primary monitoring for ambient air, ambient noise, groundwater and surface water*

| Environmental Component | Parameters/Activities |
|---|---|
| **Air Quality** | $SO_2$, $NO_2$, SPM. |
| **Noise Measurement** | (Leq) (8 hours average days and nights as per DoE requirement) |
| **Surface Water Quality** | pH, Total Dissolved Solids (TDS), EC, $BOD_5$ day, COD, Chlorine. |
| **Groundwater Quality** | Total Dissolved Solid (TDS), $BOD_5$, COD, Turbidity, Total Coliform, Fecal Coliform, Total Iron. |

# 2 LEGISLATIVE, REGULATION AND POLICY CONSIDERATION

## 2.1 The Bangladesh Environment Conservation Act of 1995 (ECA, 1995)

The Bangladesh Environment Conservation Act of 1995 (ECA, 1995) is the key legislation in relation to environment protection in Bangladesh. This Act is promulgated for environment conservation, standards, development, pollution control, and abatement. It has repealed the Environment Pollution Control Ordinance of 1977. The Act has been amended in 2000, 2002, 2007 and 2010. This law governs all environmental degradation and pollution management issues including impacts management due to implementation of any development projects as well.

The main objectives of the Act are:

- Conservation and improvement of the environment; and
- Control and mitigation of pollution of the environment.

The main strategies of the Act can be summarized as:

- Declaration of ecologically critical areas and restriction on the operations and processes, which can or cannot be carried/initiated in the ecologically critical areas;
- Regulations in respect of vehicles emitting smoke harmful for the environment;
- Environmental clearance;
- Regulation of the industries and other development activities' discharge permits;
- Promulgation of standards of ECR (1997) and also IFC HES standards guidelines (whichever is stringent) for quality of air, water, noise and soil for different areas for different purposes;
- Promulgation of a IFC HES thermal power plant standard limit for discharging and emitting waste; and
- Formulation and declaration of environmental guidelines (ECR, 1997).

### 2.2 The Bangladesh Environment Conservation Act (Amendment), 2000 Focuses on

(1) Ascertaining responsibility for Compensation in cases of damage to ecosystems, (2) increased provision of punitive measures both for fines and imprisonment and (3) fixing authority on cognizance of offences.

### 2.3 The Bangladesh Environment Conservation Act (Amendment), 2002 Elaborates on

(1) restriction on polluting automobiles, (2) restriction on the sale and production of environmentally harmful items like polythene bags, (3) assistance from law enforcement agencies for environmental actions, (4) break up of punitive measures and (5) authority to try environmental cases.

### 2.4 The Bangladesh Environment Conservation Act (Amendment), 2010

This act introduces new rules & restriction on: a) Ensure proper management of hazardous wastes to prevent environmental pollution and Health Risk, b) No remarked water body cannot be filled up/changed; in case of national interest; it can be done after getting clearance from the respective department; and c) Emitter of any activities/incident will be bound to control emission of environmental pollutants that exceeds the existing emission standards (d) Government may declare any ecosystem as "Ecologically Critical Area(ECA)" if it appears to be degraded or expected to be degraded and take all precaution measures to protect that ecosystem. In addition, Government shall stop any ongoing activities and will not allow any new developments in the ecosystem after declaration of "Ecologically Critical Area".

### 2.5 The Bangladesh Environment Conservation Rules, 1997

This is the first set of rules, promulgated under the ECA, 95 (so far there have been three amendments to this set of rules – February and August 2002 and April 2003). The Environment Conservation Rules of 1997 has provided categorization of industries and Projects and identified types of environmental assessments needed against respective categories of industries or Projects.

Among other things, these rules set (i) the National Environmental Quality Standards for ambient air, various types of water, industrial effluent, emission, noise, vehicular exhaust etc., (ii) the requirement for and procedures to obtain environmental clearance, and (iii) the requirement for IEE and EIA's according to categories of industrial and other development interventions.

## 2.6 Noise Pollution (Control) Rules, 2006

Noise Pollution (Control) Rules, 2006 gives the authority to all the Union Councils, Paurasabhas, City Corporations, City Development Authority (i.e. RAJUK, CDA, KDA, RDA etc.) to mark off the areas under their jurisdiction as silent, residential, mixed, commercial or industrial. They should also put signs to mark those areas. The act also describes the approved standard limit of sound in the added schedule 1 and 2. In the schedule 1, silent area means area up-to a radius of 100 meters around hospitals or educational institutions or special institutions/ establishments identified/to be identified by the government. In the silent area it is prohibited to use any kind of horns of vehicles, audio signals and loudspeakers.

## 2.7 The Bangladesh Water Act 2013

The Bangladesh Water Act. 2013 was passed by the Government on 6 November 2013 to ensure "integrated development, management, abstraction, distribution, use, protection and conservation of water resources". By virtue of this Act, all rights over surface water, ground water, sea water rain water and water in the atmosphere is vested on the State. Notwithstanding the above, "rights over the surface water on any private land shall remain with the owners of such land", and such right to use the water shall be subject to the provision of the Act. Furthermore, under the provisions of this Act, "right to potable water, and to water for hygiene and sanitation shall be treated as the highest priority right".

The Act makes a provision for constituting a National Water Resources Council headed by the Prime Minister. The Council is the highest decision making body and is empowered to make policies, give instructions to develop National Water Resources Plan for integrated development and safe abstraction of water and its proper use to ensure protection and conservation of water resources. The Council is also mandated to approve the National Water Resources Plan and ensure its implementation, as well as give advice to the Government to enter into agreement through signing memorandum of understanding and/or signing conventions and treaty with any Government and international or regional organization to undertake joint survey, exchange data/information with respect to common water resources and it abstraction and development and undertaking joint measures to prevent pollution of common water resources.

The Act also makes a provision for approving national water resources plan prepared in accordance with the Water Resources Planning Act, 1992 containing among others the following matters namely:

- Analysis of economic , natural, social, political, environmental, and ecological and institutional elements, characteristics and impact of water resources;
- Integrated use of surface and ground water emphasizing the highest possible use of rain water;
- Determination of water quality standard;
- Fixation of priority of water use.

The Act also makes further provision for:

- declaration of water stress area and management thereof;
- preferential use of water in the water stress area and exemption thereof;
- fixing the lowest safe yield level of aquifer and restrictions on abstracting groundwater; and
- Protection of flood control embankment, which states “to ensure the sustainability of the flood control embankment, no person shall, without the permission of the appropriate authority, be allowed to construct any house, establishment or any other structure on, or on the slope of such embankment.”

Finally, if anybody deliberately violates or ignore the responsibility or protection under this Act, in that case, under the provisions of sub-section (2), she/he will get maximum of 5 years imprisonment or maximum Tk. 10,000 as financial punishment or both the punishments. IFC Safeguard Policies

The International Finance Corporation (IFC) developed its Sustainability Framework in 2006, which articulates its strategic commitment to sustainable development. The IFC's Environmental and Social Performance Standards, part of the overall Sustainability Framework, have been adopted by many as an international benchmark for identifying and managing environmental and social risks within the private sector.

# 3 METHODOLOGY

Nawabganj Economic Zone is located at Nawabganj upazila, dhaka district of Dhaka division. Dhaka-Mawa Highway (N8) (~13 km) is the nearest national highway. Nearest highway for the proposed EZ is Keraniganj-Nawabganj road (R820), which is connected with N8. R820 is a two-lane bituminous road which supports the movement of heavy vehicles. • N8 connects the proposed EZ with Dhaka (39 km) and further connects with 4-lane Dhaka – Chittagong (N1) highway, thus connecting the proposed EZ with Comilla (112 km), and Chittagong (256 km). Kamalapur railway station (approx. 23 km) is the nearest junction station which has cargo handling facility. It can be reached from Keraniganj-Nawabganj road (R820). Kamalapur railway station is connected to all the major nodes of the country. Hazrat Shah Jalal International Airport (~39 km) at Dhaka is the nearest airport. It can be accessed via R820 and Dhaka-Paturia highway (N3).

## 3.1 Sampling Details

Sampling location for primary monitoring for ambient air, ambient noise, ground-water and surface water are given below:

***Table 3.1:*** *Sampling locations for primary monitoring of ambient air, ambient noise, groundwater and surface water*

| Environmental Component | Number of Sample | Geographical Location | |
|---|---|---|---|
| | | **Latitude** | **Longitude** |
| **Air Quality** | 01 | 23°39'55.73° N | 90°15'47.49° E |
| **Noise Measurement** | 01 | 23°39'50.39° N | 90°15'51.09° E |
| **Groundwater Quality** | 01 | 23°40'26.34° N | 90°16'30.70° E |
| **Surface Water Quality** | 01 | 23°39'15.40"N° N | 90°16'8.30° E |

Location map with sample collection point are given below:

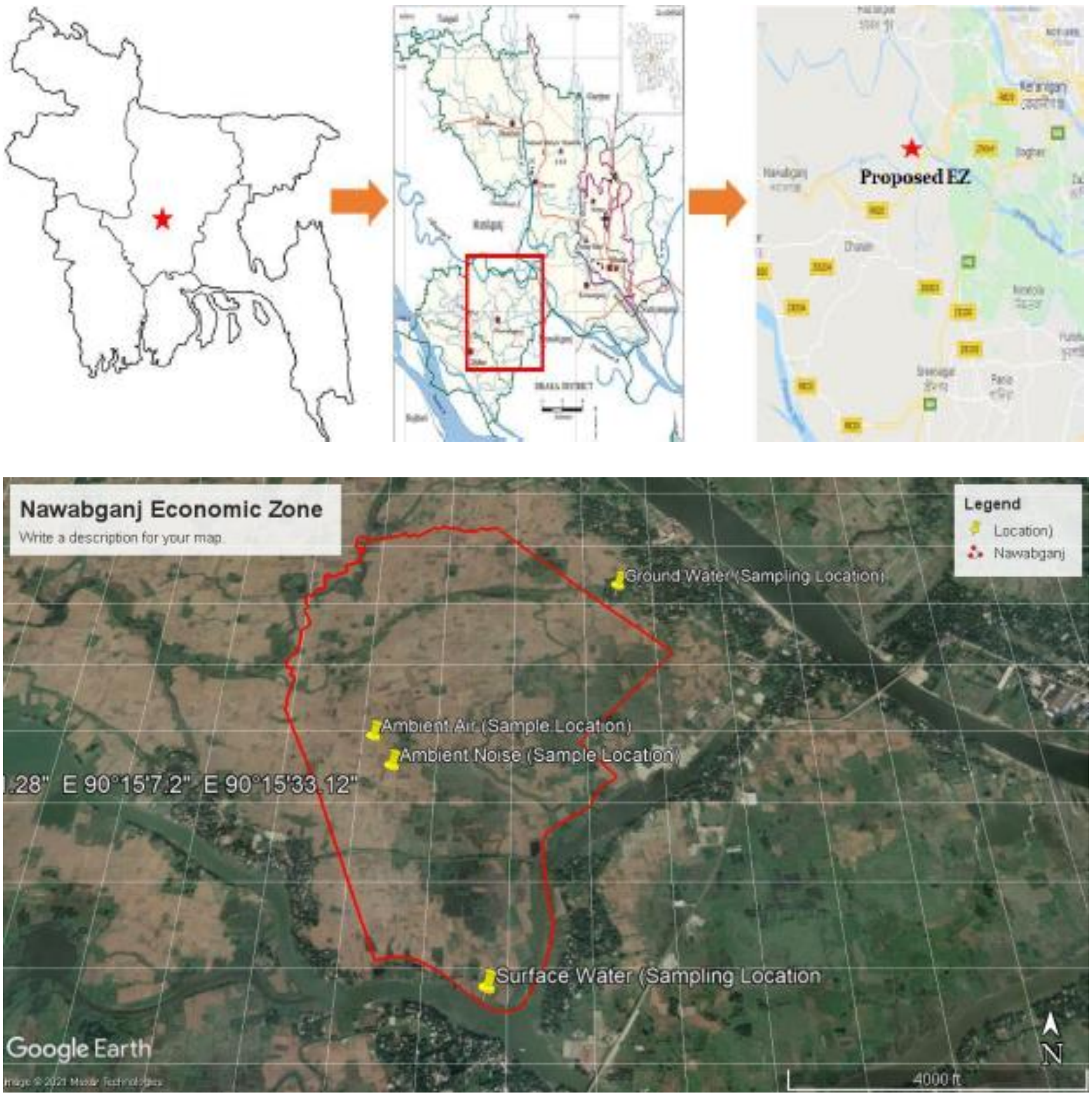


*Figure 3.1: Location map of the Sample Collection Point*

Sample ware collected with following time duration:

***Table 3.2:*** *Time Duration of Sample Collection*

| Date & Time | Day Time (January 09, 2021) AM | | | | | | | | | | Night Time (January 09, 2021) PM | | | | | | | Night Time (January 10, 2021) AM | | | | | Day Time (January 10, 2021) PM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 08 | o9 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| Air Quality | | | | | | | | | | | | | | | | | | | | | | | | |
| Noise Measurement | | | | | | | | | | | | | | | | | | | | | | | | |
| Groundwater Quality | | | | | | | | | | | | | | | | | | | | | | | | |
| Surface Water Quality | | | | | | | | | | | | | | | | | | | | | | | | |

## 3.2 Methodology of Determining Air Quality Parameters

Ambient air sample is collected from the site using Respirable Dust Sampler Lata Envirotech APM–860 for SPM with an attachment APM 411TE to measure ambient gaseous compounds (SO2, NO2). The APM 860 system is a manual method for sampling SPM and is based on impactor designs standardized by USEPA for ambient air quality monitoring. The collected samples are analyzed as per standard procedure to determine all parameters in the BEETLSL laboratory.

### 3.2.1 SPM (Suspended Particulate Matter) Gravimetric Method

*Filter Preparation –Expose each filter to the light source and inspect for pinholes, particles and other imperfection. Filters with visible imperfection s hall not are used. A small brush is useful for removing particles. Equlibrate the filters in the filter conditioning environment for 24 hours. Weigh the filters to the nearest milligram; record tare and filter identification number. Do not bend or fold the filter before collection of the sample.

*Sample Collection: Open the shelter. Loosen the wing nuts, and remove the face plate from the filter holder. Install the numbered, pre-weighed, glass-fiber filter in position (rough side up). Replace the face plate without disturbing the filter and fasten securely under tightening will allow air leakage. Over tightening will damage the sponge-rubber face plate gasket. A very light application of talcum powder may be used on the sponge-rubber face-plate gasket to prevent the filter from sticking. During inclement weather the sampler may be removed to a protected area for filter change.

*Close the roof of the shelter run the sampler for about 5 minutes, connect the rotameter to the nipple on the lock of the sampler and lead the rotameter ball with rotameter in the vertical position. Estimate to the nearest whole number. If the ball is fluctuating rapidly, tap the rotameter and slowly straighten it until the ball gives a constant reading. Disconnect the rotameter from the nipple; record the initial rotameter reading and the starting time and date on the filter holder. Note – The rotameter should never be connected to the sampler except when the flow is being measured.

*Collect the sample for 24 hours and take a final rotameter reading. Record the final rotameter reading and ending time and date on the filter holder. Remove the face-plate as described above and carefully remove the filter from the holder, touching only the outer edges. Fold the filter lengthways so that only surfaces with collected particulate are in contact and place in special folder. Record on the folder the filter number. Location and any other factors, such as meteorological conditions or razing of nearby buildings that might affect the results.

### 3.2.2 Sulfur Dioixide ($SO_2$): Principle of west-geake method:

When air containing SO2 is bubbled through potassium tetrachloromercurate solution (absorbent) taken in the impinge, $SO_2$ forms a stable dichlorosulphitomercurate complex (DCSM).This complex is not oxidized by the oxygen of air of that remains dissolved in the absorbent containing DCSM is then treated with pararosaniline and formaldehyde to form an intense red-violet color . The intensity of this occurence is directly related to the amount of $SO_2$ absorbed and is measured colorimetrically by spectrophotometer .The quantity of $SO_2$ is then obtained from a calibration curve prepared earlier. The absorbed are relatively stable. Losses of SO2 from the sample may occur at a rate of one percent per day at 22˚C. No measurable loss is found to occur when stored at 5℃ for 30 days.

### 3.2.3 Nitrogen Dioixide ($NO_2$):

Measurement of Nitrogen Dioxide in Ambient Air:

**Principle:** NO2 is absorbed in an alkaline solution (NaOH-sodium arsenite solution) where in it forms sodium nitrite which is quite stable. The solution is then freed of possible SO2 interference, by treatment with H2O2 and acidified. The nitrite ion reacts with sulphnilamide phosphoric acid solution to form a diazonium salt which couples with NEDA to form a deep colored azo dye. Absorbance due to this color is measured in spectrophotometer against a blank.

**Analysis Procedure**:

• At the end of the stipulated sampling period note the flowmeter reading and switch off the air pump.

• Make up the exposed absorbent volume to 20 ml with distilled water to compensate for any loss of water due to evaporation during sampling.

• Transfer by pipetting 10 ml of the exposed absorbent into a test tube.Add 1.0 ml of $H_2O_2$ solution, 10.0 of sulphanilamide solution and 1.4 ml of NEDA with through mixing after the addition of each reagent A 10ml unexposed absorbent taken in another test tube and treated similarly serves as the reagent blank for colorimetry.

• After 10 min color development period, the absorbance/transmittance of the exposed sample is measured with a spectrophotometer at 540nm against the reagent blank, microgram of NO2 per ml is read from the calibration curve. .

*Figure 3.2: Air Quality Test*

## 3.3 Methodology of Noise Level Analysis

The noise levels were measured with the help of a portable precision digital sound level meter (Model-Sl-4033DS, made in Taiwan). The instrument calibration was achieved using manufacturer supplied pistaphone calibrator capable of producing known sound pressure level.

Sampling was done to measure the Sound Level for day time and night time of the Nawabganj Economic Zone.

During the sampling procedure, the instruction stated in the Work Instruction **EN-N_00** was followed.

Instrument Specification is given below:

***Table 3.3:*** *Instrument Specification for Noise Level*

| Instrument Name | Resolution | Measuring Range | Accuracy |
|---|---|---|---|
| **Digital Sound Level Meter** | 0.1 dB. | 35 to 130 dB. | ± 5 dB. |

***Figure 3.3: Noise Inspection***

### 3.4 Methodology of Surface water quality Test:

Surface water quality parameters such as, pH, Total Dissolved Solids (TDS), EC, $BOD_5$, COD, Chlorine were measure among which major physicochemical properties such as pH, EC, TDS were measure in-situ during the field visit while the rests were measured in the laboratory. Values of different parameters of the surface water quality with reference to the DoE standard are given in result and discussion part. It shows that all values are within the standard limit except Turbidity. For Surface water quality test APHA22ndEDN.2012 guideline was followed.

*Figure 3.4: Surface Water Sample Collection*

### 3.5 Methodology of Ground water Quality Test:

Groundwater samples have been collected from the tube wells of the nearby community of the study area to understand the groundwater quality. The sample has been investigated from laboratory test. For Ground water quality test APHA 22$^{nd}$ EDN.2012 guideline was followed.

*Figure 3.5: Ground Water Sample Collection and Onsite test of some physicochemical properties*

# 4 RESULT AND DISCUSSION:

## 4.1 Ambient Air Quality Monitoring Result:

| Project Name | Nawabganj Economic Zone |
|---|---|
| **Project Location** | Nawabganj Upazila, Dhaka, Dhaka. |
| **Geographical Location** | 23°39'55.73° N & 90°15'47.49° E |
| **Sampling Date** | January 09, 2021 (8.00 AM) to January 10, 2021 (7.59 AM) |
| **Reporting Date** | January 22, 2021 |
| **Sample Collector** | BEETLSL Team |

***Table 4.1:*** *Test Result of Ambient Air Quality Analysis*

| Parameter | Unit | Concentration Presentat AQ 1 (Longitude: 91.412643° Latitude: 22.783037°) | IFC Standard mg/m3 | Bangladesh Standard** | Duration (hours) | Method of Analysis |
|---|---|---|---|---|---|---|
| **SPM** | µg/ $m^3$ | 176.89 | - | 200 | 24 Hr | Gravimetric |
| **$SO_2$** | µg/ $m^3$ | 11.54 | 125 | 365 | 24 Hr | West- Geake |
| **$NO_2$** | µg/ $m^3$ | 14.03 | 200 (1 Hr) | NYS | 24 Hr | Jacob and Hochheiser |

*Note:*

- *The Bangladesh National Ambient Air Quality Standards have been taken from the Environmental Conservation Rules, 1997which was amended on 19thJuly 2005 vide S.R.O. No. 220-Law/2005.*
- *WHO Ambient Air Quality Guideline Values (2005 and 2000), which are also being referred in the World Bank and IFC's General EHS Guidelines (2007)*

- NYS: Not Yet Standardized

**Description of the Surrounding Environment**

***Table 4.2:*** *Description of the Surrounding Environment*

| Location | Sample site description |
|---|---|
| **Nawabganj Economic Zone** | ➢ Weather Condition:<br>• Weather: Sunny<br>• Temperature 31° C,<br>• Wind: S 5 km/h<br>• Humidity: 78%<br>➢ Sampling site was open area.<br>➢ No traffic were observed in there.<br>➢ Very low people movement was observed in there. |

**Comments:** Air sample has been carried out by high volume dust sampler at the identified geographical location of the Nawabganj Economic Zone. Approved analytical methods have been applied for estimation of air pollutants. The level of concentrations of air pollutants were within the limit of Environmental Conservation Rules 1997 of Bangladesh (Amendment 2005) and IFC's General EHS Guidelines (2007)**.**

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## 4.2 Noise Inspection Results:

| Project Name | Nawabganj Economic Zone |
|---|---|
| **Project Location** | Nawabganj upazila, Nawabganj, Dhaka . |
| **Geographical Location** | 23°39'50.39° N & 90°15'51.09° E |
| **Sampling Date** | January 09, 2021 (9.00 AM) to January 10, 2021 (2.00 AM) |
| **Reporting Date** | January 10, 2020 |
| **Sample Collector** | BEETLSL Team |

| Test Method: | | | |
|---|---|---|---|
| **The noise levels were measured with the help of a portable precision digital sound level meter (Model-Sl-4033DS, made in Taiwan). The instrument calibration was achieved using manufacturer supplied pistaphone calibrator capable of producing known sound pressure level.** | | | |
| **Instrument's Specifications:** | | | |
| **Instrument Name** | Digital Sound Level Meter | **Resolution** | 0.1 dB. |
| **Measuring Range** | 35 to 130 dB. | **Accuracy** | ± 5 dB. |

***Table 4.3:*** Inspection Result of Noise Level

| Sample ID | Sample Location | Land Use Category | Time | | | | Noise Level (dBA) (LAeq) | |
|---|---|---|---|---|---|---|---|---|
| | | | Day | | Night | | Day | Night |
| | | | Start | End | Start | End | | |
| **N1** | Nawabganj Economic Zone | Industrial Zone | 9.00 AM | 4.59 PM | 6.00 PM | 1.59 AM | 49.9 | 33.6 |

**Noise level standard:**

| Bangladesh ECR - 1997Standard for | Day Time | Night Time |
|---|---|---|
| **Industrial area** | 75 | 70 |
| **Commercial** | 70 | 60 |
| **Mixed area** | 60 | 50 |
| **Residential area** | 55 | 45 |
| **World Bank / IFC Standard** | Day Time | Night Time |
| **Industrial area** | 70 | 70 |
| **Residential; Intuitional; Educational** | 55 | 45 |

*Notes:*

- Land use category is based on the classification provided in the Noise Pollution Control Rules (2006)
- Abbreviation: NM- Noise Measurement, dB- decibel

| Location | Sample site description |
|---|---|
| **Nawabganj Economic Zone** | ➢ Weather Condition:<br>• Weather: Sunny<br>• Temperature 31° C,<br>• Wind: S 5 km/h<br>• Humidity: 78%<br>➢ Sampling site was open area.<br>➢ No traffic were observed in there.<br>➢ Very low people movement was observed in there. |

**Comments:** In-situ noise levels for both day and night time have collected from the sample locations of the Nawabganj Economic Zone. **LAeq** data of 8 hours represent that the noise levels were found below the standard limit of Department of Environment, Govt. of Bangladesh and IFC/WB standard.

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## 4.3 Surface Water Quality test result

| | |
|---|---|
| **Sample Ref. No : 2021.01.SW-07** | **Delivery Date : 22.01.2021** |
| **Sample Location : Nawabganj** | **Address :** Mamun Plaza (1st Floor), 31, Shahid Nazrul IslamSharak, Hatkhola, Tikatuli, Dhaka-1203, Bangladesh |
| **Sample Collected by : BEETLSL Team** | **Sampling Date : 09.01.2021** |
| **Client Rf. No. & Date: 2021.01-BEETLSL-07; 22.01. 2021** | **Geographical Location:** 23°39'15.40"N & 90°16'8.30° E |
| **Name of Test :** | **Physical/ Chemical/ Biological Analysis of Surface Water** |

***Table 4.4:*** Test Report of Surface Water (River Water)

| SL No. | Surface Water Upstream | Concentration Present | Unit | ECR 1997 Standard for Surface Water | Methods of Analysis |
|---|---|---|---|---|---|
| 1. | $P^H$ | 8.1 | mg/L | 6-9 | APHA 22nd EDN.2012 (4500H+B) |
| 2. | Electrical Conductivity (EC) | 96.89 | µS/cm | 1200 | APHA22nd EDN.2012 (2510 B) |
| 3. | Total Dissolved Solids (TDS) | 141.90 | mg/L | 2100 | APHA 22nd EDN.2012 (2540C) |
| 4. | $BOD_5$ | 21.78 | mg/L | 50 | APHA 22nd EDN.2012 (5210 B) |
| 5. | COD | 87.1 | mg/L | 200 | APHA 22nd |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | EDN.2012 (5220 B) |
| 6. | Chloride (Cl)$^-$ | 45 | mg/L | 600 | APHA22nd EDN.2012 (4500 $Cl^-$) |

**Comment:**

Surface water samples were collected on 09th January, 2021. The locations along with results are given in Table 4.3. The test result shows that all the tested parameters are within the national standard set by government of Bangladesh.

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## 4.4 Ground Water Quality test result

| | |
|---|---|
| **Sample Ref. No :** 2021.01.DW-08 | **Delivery Date :** 22.01.2021 |
| **Sample Location :** Nawabganj Economic Zone | **Address :** Mamun Plaza (1st Floor), 31, Shahid Nazrul IslamSharak, Hatkhola, Tikatuli, Dhaka-1203, Bangladesh |
| **Sample Collected by :** BEETLSL Team | **Sampling Date :** 09.01.2021 |
| **Client Rf. No. & Date:** 2021.01-BEETLSL-08; 22.01. 2021 | **Geographic Location:** 23°40'26.34° N & 90°16'30.70° E |
| **Name of Test :** | **Physical/ Chemical/ Biological Analysis of Drinking Water.** |

***Table 4.5:*** Test Report of Ground Water (Tubewell Water)

| SL No. | Ground Water Upstream | Concentration Present | Unit | ECR 1997 Standard for Drinking Water | Methods of Analysis |
|---|---|---|---|---|---|
| 1. | Total Dissolved Solids (TDS) | 24 | mg/L | 1000 | APHA22nd EDN.2012 (2540C) |
| 2. | BOD | 0.1 | mg/L | 0.2 | APHA22nd EDN.2012 (5210 B) |
| 3. | COD | 1.9 | mg/L | 4 | APHA22nd EDN.2012 (5220 B) |
| 4. | Turbidity | 1.2 | NTU | 10 | APHA22nd EDN.2012 (2130 B) |

| | | | | | |
|---|---|---|---|---|---|
| 5. | Total Coliform(TC) | 00 | CFU/100 ml | 0.00 | APHA22nd EDN.2012 (9222H) |
| 6. | Fecal Coliform(FC) | 00 | CFU/100 ml | 0.00 | APHA22nd EDN.2012 (9222B) |
| 7. | Total Iron (Fe) | 0.03 | mg/L | 0.3-1.0 | APHA22nd EDN.2012 (3500- Fe) |

**Comment:**
Ground water samples were collected from project area on 09th January, 2020. The locations along with results are given in Table 4.4. The test result shows that all the tested parameters are within the national standard set by government of Bangladesh.

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# 5 INTERPRETATION

## 5.1 Air Quality Monitoring Report:

**Particulate Matter (SPM):**

Particulate matter is the general term used to describe a mixture of solid and liquid particles in air including dust, soot, smoke, and dirt. Normally SPM is partial matter less than 100 micron, Exposure of this SPM can cause respiratory morbidity, impaired lung function and irritation. It may also be carcinogenic. This pollution is sometimes referred to as “black carbon pollution”. Ambient air quality report reflects that SPM is within the standard according the Bangladesh Ambient Air Quality Standard ECR 1997, Schedule 2 so that it can be interpret that the air is good for human health and other living thing.

**Gaseous Pollutant $NO_2$ :**

Oxides of Nitrogen are a noxious gas. It’s highly reactive and formed when fuel is burned at high temperature. The main sources are motor vehicles, engine water vessel with, generator and industrial fuel burning instruments. Nitrogen dioxide can cause respiratory problems. It can also take part in the chemical reactions in the atmosphere to form corrosive nitric acid and can also react with sunlight to form ground level ozone Long term exposure can decrease lung function, increase the risk of respiratory conditions and increases the response to allergens. Results revealed that concentration of $NO_2$ is within the standard of WHO Ambient Air Quality Guideline Values (2005 and 2000), which are also being referred in the World Bank and IFC’s General EHS Guidelines (2007) On the other hand DoE yet not set any standard on it.

**Gaseous Pollutant $SO_2$:**

Sulfur dioxide (SOx) is a gas that is often produced in the burning of fossil fuels containing Sulphur. It can cause respiratory problems and damage vegetation. Sulfur dioxide dissolves easily in water and therefore can contribute to acid rain, once it released into the atmosphere. To know the concentration of $SO_2$ ambient air quality was tested. Results revealed that concentration of $SO_2$ is within the standard of according the Bangladesh Ambient Air Quality Standard ECR 1997, Schedule 2 so that it can be interpret that the air is good for human health, agriculture and other living thing. As well as it will not contribute to create acid rain.

## 5.2 Interpretation on Noise Inspection Report:

Exposure to loud noise can also cause high blood pressure, heart disease, sleep disturbances, and stress. Noise pollution also impacts the environmental health and well-being of wildlife. Study area falls on industrial area. Day time and night time data was monitored. Results revealed that noise level is within the standard of according the ECR 1997, Schedule 4 so that it can be interpret that present sound level is good for human health and other living thing. However during construction period noise level may increase.

## 5.3 Interpretation on Ground water Test Report:

Ground water samples were collected from project area on 09th January, 2021. The locations along with results are given in Table 4.5. The test result shows that all the tested parameters are within the national standard set by government of Bangladesh. This results indicates that ground water is not polluted with any types of pollutants and it is safe for human health.

## 5.4 Interpretation on Surface Water Test Report:

Surface water samples were collected on 09th January, 2021. The locations along with results are given in Table 4.4. The test result shows that all the tested parameters are within the national standard set by government of Bangladesh. This results indicates that this surface water is safe for aquatic biodiversity.

## *15.37. Annexure 37 – High Flood Level data of the region*

| River | StationID | Station Name | Date | Max_WL(m) | Min_WL(m) |
|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-68 | 1.93 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-68 | 1.90 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-68 | 1.94 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-68 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-68 | 1.96 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-68 | 1.91 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-68 | 1.93 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-68 | 1.93 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-68 | 1.94 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-68 | 1.96 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-68 | 1.97 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-68 | 1.97 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-68 | 2.15 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-68 | 2.20 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-68 | 2.25 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-68 | 2.40 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-68 | 2.43 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-68 | 2.32 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-68 | 2.25 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-68 | 2.06 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-68 | 2.00 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-68 | 2.05 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-68 | 2.11 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-68 | 2.19 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-68 | 2.28 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-68 | 2.29 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-68 | 2.34 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-68 | 2.37 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-68 | 2.38 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-68 | 2.34 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-68 | 2.38 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-68 | 2.34 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-68 | 2.26 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-68 | 2.34 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-68 | 2.34 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-68 | 2.35 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-68 | 2.31 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-68 | 2.26 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-68 | 2.37 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-68 | 2.49 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-68 | 2.64 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-68 | 2.76 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-68 | 2.95 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-68 | 3.04 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-68 | 3.10 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-68 | 3.10 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-68 | 3.13 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-68 | 3.01 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-68 | 2.86 | 2.80 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-68 | 2.92 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-68 | 2.89 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-68 | 2.86 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-68 | 2.89 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-68 | 2.89 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-68 | 2.98 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-68 | 3.02 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-68 | 3.04 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-68 | 3.15 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-68 | 3.37 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-68 | 3.44 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-68 | 3.48 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-68 | 3.53 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-68 | 3.59 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-68 | 3.68 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-68 | 3.72 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-68 | 3.77 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-68 | 3.85 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-68 | 3.85 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-68 | 3.83 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-68 | 3.82 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-68 | 3.82 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-68 | 3.85 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-68 | 3.91 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-68 | 4.01 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-68 | 4.26 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-68 | 4.24 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-68 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-68 | 4.24 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-68 | 4.30 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-68 | 4.46 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-68 | 4.55 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-68 | 4.69 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-68 | 4.85 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-68 | 5.00 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-68 | 5.20 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-68 | 5.23 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-68 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-68 | 5.36 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-68 | 5.43 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-68 | 5.45 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-68 | 5.46 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-68 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-68 | 5.55 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-68 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-68 | 5.61 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-68 | 5.66 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-68 | 5.72 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-68 | 5.75 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-68 | 5.95 | 5.84 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-68 | 5.93 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-68 | 5.92 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-68 | 5.95 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-68 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-68 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-68 | 5.95 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-68 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-68 | 6.00 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-68 | 6.03 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-68 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-68 | 6.10 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-68 | 6.15 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-68 | 6.16 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-68 | 6.21 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-68 | 6.27 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-68 | 6.36 | 6.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-68 | 6.45 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-68 | 6.57 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-68 | 6.63 | 6.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-68 | 6.71 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-68 | 6.75 | 6.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-68 | 6.81 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-68 | 6.84 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-68 | 6.84 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-68 | 6.80 | 6.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-68 | 6.74 | 6.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-68 | 6.68 | 6.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-68 | 6.61 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-68 | 6.55 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-68 | 6.52 | 6.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-68 | 6.46 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-68 | 6.55 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-68 | 6.37 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-68 | 6.34 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-68 | 6.29 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-68 | 6.26 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-68 | 6.22 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-68 | 6.17 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-68 | 6.11 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-68 | 6.05 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-68 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-68 | 5.93 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-68 | 5.85 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-68 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-68 | 5.84 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-68 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-68 | 5.87 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-68 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-68 | 5.91 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-68 | 5.91 | 5.91 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-68 | 5.91 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-68 | 5.91 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-68 | 5.90 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-68 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-68 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-68 | 5.87 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-68 | 5.85 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-68 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-68 | 5.79 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-68 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-68 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-68 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-68 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-68 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-68 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-68 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-68 | 5.46 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-68 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-68 | 5.35 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-68 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-68 | 5.24 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-68 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-68 | 5.17 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-68 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-68 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-68 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-68 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-68 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-68 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-68 | 5.36 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-68 | 5.38 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-68 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-68 | 5.41 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-68 | 5.46 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-68 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-68 | 5.53 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-68 | 5.55 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-68 | 5.59 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-68 | 5.72 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-68 | 5.75 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-68 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-68 | 5.84 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-68 | 5.81 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-68 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-68 | 5.72 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-68 | 5.64 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-68 | 5.55 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-68 | 5.44 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-68 | 5.33 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-68 | 5.23 | 5.17 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-68 | 5.12 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-68 | 5.03 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-68 | 4.92 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-68 | 4.79 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-68 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-68 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-68 | 4.54 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-68 | 4.51 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-68 | 4.42 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-68 | 4.19 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-68 | 4.08 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-68 | 3.96 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-68 | 3.84 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-68 | 3.78 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-68 | 3.66 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-68 | 3.60 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-68 | 3.54 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-68 | 3.47 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-68 | 3.36 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-68 | 3.28 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-68 | 3.27 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-68 | 3.22 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-68 | 3.10 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-68 | 3.04 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-68 | 2.96 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-68 | 2.87 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-68 | 2.80 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-68 | 2.76 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-68 | 2.80 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-68 | 2.75 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-68 | 2.73 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-68 | 2.73 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-68 | 2.80 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-68 | 2.73 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-68 | 2.76 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-68 | 2.76 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-68 | 2.75 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-68 | 2.61 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-68 | 2.54 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-68 | 2.51 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-68 | 2.47 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-68 | 2.46 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-68 | 2.43 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-68 | 2.35 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-68 | 2.31 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-68 | 2.34 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-68 | 2.28 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-68 | 2.25 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-68 | 2.26 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-68 | 2.15 | 2.06 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-68 | 2.12 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-68 | 2.11 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-68 | 2.09 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-68 | 2.11 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-68 | 2.05 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-68 | 1.96 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-68 | 1.93 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-68 | 1.91 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-68 | 1.93 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-68 | 1.97 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-68 | 2.00 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-68 | 2.02 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-68 | 1.97 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-68 | 1.96 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-68 | 1.90 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-68 | 1.93 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-68 | 1.88 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-68 | 1.82 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-68 | 1.82 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-68 | 1.80 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-68 | 1.73 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-68 | 1.67 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-68 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-68 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-69 | 1.64 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-69 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-69 | 1.73 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-69 | 1.76 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-69 | 1.76 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-69 | 1.73 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-69 | 1.71 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-69 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-69 | 1.73 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-69 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-69 | 1.68 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-69 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-69 | 1.71 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-69 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-69 | 1.64 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-69 | 1.64 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-69 | 1.64 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-69 | 1.61 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-69 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-69 | 1.53 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-69 | 1.53 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-69 | 1.53 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-69 | 1.51 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-69 | 1.53 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-69 | 1.48 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-69 | 1.44 | 1.41 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-69 | 1.44 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-69 | 1.42 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-69 | 1.44 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-69 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-69 | 1.42 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-69 | 1.48 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-69 | 1.55 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-69 | 1.56 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-69 | 1.58 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-69 | 1.53 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-69 | 1.64 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-69 | 1.61 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-69 | 1.56 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-69 | 1.55 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-69 | 1.51 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-69 | 1.45 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-69 | 1.48 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-69 | 1.39 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-69 | 1.39 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-69 | 1.48 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-69 | 1.51 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-69 | 1.56 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-69 | 1.67 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-69 | 1.73 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-69 | 1.56 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-69 | 1.58 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-69 | 1.48 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-69 | 1.42 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-69 | 1.44 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-69 | 1.39 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-69 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-69 | 1.50 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-69 | 1.53 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-69 | 1.62 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-69 | 1.61 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-69 | 1.51 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-69 | 1.50 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-69 | 1.53 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-69 | 1.51 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-69 | 1.70 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-69 | 1.67 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-69 | 1.61 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-69 | 1.67 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-69 | 1.55 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-69 | 1.45 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-69 | 1.50 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-69 | 1.51 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-69 | 1.48 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-69 | 1.50 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-69 | 1.70 | 1.62 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-69 | 1.73 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-69 | 1.79 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-69 | 1.82 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-69 | 1.91 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-69 | 1.82 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-69 | 1.76 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-69 | 1.61 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-69 | 1.64 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-69 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-69 | 1.62 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-69 | 1.61 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-69 | 1.67 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-69 | 1.71 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-69 | 1.73 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-69 | 1.82 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-69 | 1.77 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-69 | 1.94 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-69 | 2.00 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-69 | 1.97 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-69 | 2.03 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-69 | 2.00 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-69 | 1.85 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-69 | 1.79 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-69 | 1.70 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-69 | 1.64 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-69 | 1.67 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-69 | 1.70 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-69 | 1.94 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-69 | 2.28 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-69 | 2.23 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-69 | 2.22 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-69 | 2.08 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-69 | 2.11 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-69 | 2.15 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-69 | 2.23 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-69 | 2.06 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-69 | 2.03 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-69 | 1.99 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-69 | 1.88 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-69 | 1.82 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-69 | 1.85 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-69 | 1.94 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-69 | 2.11 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-69 | 2.34 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-69 | 2.32 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-69 | 2.51 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-69 | 2.58 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-69 | 2.54 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-69 | 2.52 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-69 | 2.46 | 2.35 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-69 | 2.35 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-69 | 2.32 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-69 | 2.28 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-69 | 2.25 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-69 | 2.20 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-69 | 2.22 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-69 | 2.26 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-69 | 2.28 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-69 | 2.34 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-69 | 2.35 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-69 | 2.28 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-69 | 2.28 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-69 | 2.28 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-69 | 2.29 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-69 | 2.29 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-69 | 2.38 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-69 | 2.28 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-69 | 2.57 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-69 | 2.67 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-69 | 2.84 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-69 | 3.05 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-69 | 3.28 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-69 | 3.16 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-69 | 3.44 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-69 | 3.50 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-69 | 3.51 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-69 | 3.50 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-69 | 3.51 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-69 | 3.47 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-69 | 3.59 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-69 | 3.53 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-69 | 3.40 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-69 | 3.39 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-69 | 3.48 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-69 | 3.56 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-69 | 3.57 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-69 | 3.71 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-69 | 3.88 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-69 | 4.03 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-69 | 4.27 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-69 | 4.38 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-69 | 4.50 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-69 | 4.61 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-69 | 4.67 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-69 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-69 | 4.76 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-69 | 4.75 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-69 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-69 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-69 | 4.70 | 4.68 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-69 | 4.73 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-69 | 4.82 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-69 | 4.91 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-69 | 5.07 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-69 | 5.13 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-69 | 5.18 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-69 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-69 | 5.19 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-69 | 5.22 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-69 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-69 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-69 | 5.16 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-69 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-69 | 5.18 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-69 | 5.25 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-69 | 5.27 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-69 | 5.30 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-69 | 5.30 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-69 | 5.42 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-69 | 5.50 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-69 | 5.59 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-69 | 5.66 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-69 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-69 | 5.80 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-69 | 5.86 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-69 | 5.92 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-69 | 5.98 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-69 | 6.06 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-69 | 6.09 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-69 | 6.11 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-69 | 6.14 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-69 | 6.18 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-69 | 6.21 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-69 | 6.24 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-69 | 6.27 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-69 | 6.27 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-69 | 6.27 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-69 | 6.23 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-69 | 6.20 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-69 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-69 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-69 | 6.03 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-69 | 5.97 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-69 | 5.92 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-69 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-69 | 5.83 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-69 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-69 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-69 | 5.74 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-69 | 5.75 | 5.74 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-69 | 5.88 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-69 | 5.95 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-69 | 5.97 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-69 | 5.98 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-69 | 6.04 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-69 | 6.11 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-69 | 6.17 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-69 | 6.20 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-69 | 6.20 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-69 | 6.20 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-69 | 6.23 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-69 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-69 | 6.29 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-69 | 6.38 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-69 | 6.39 | 6.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-69 | 6.43 | 6.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-69 | 6.43 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-69 | 6.46 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-69 | 6.46 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-69 | 6.43 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-69 | 6.41 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-69 | 6.36 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-69 | 6.36 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-69 | 6.33 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-69 | 6.32 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-69 | 6.35 | 6.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-69 | 6.30 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-69 | 6.27 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-69 | 6.24 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-69 | 6.20 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-69 | 6.17 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-69 | 6.12 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-69 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-69 | 6.04 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-69 | 6.00 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-69 | 5.97 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-69 | 5.94 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-69 | 5.89 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-69 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-69 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-69 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-69 | 5.86 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-69 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-69 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-69 | 5.69 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-69 | 5.63 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-69 | 5.56 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-69 | 5.48 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-69 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-69 | 5.31 | 5.28 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-69 | 5.25 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-69 | 5.16 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-69 | 5.08 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-69 | 5.01 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-69 | 4.93 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-69 | 4.89 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-69 | 4.79 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-69 | 4.78 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-69 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-69 | 4.63 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-69 | 4.55 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-69 | 4.47 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-69 | 4.35 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-69 | 4.20 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-69 | 4.09 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-69 | 4.02 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-69 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-69 | 3.86 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-69 | 3.77 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-69 | 3.70 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-69 | 3.65 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-69 | 3.64 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-69 | 3.54 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-69 | 3.51 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-69 | 3.48 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-69 | 3.36 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-69 | 3.26 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-69 | 3.18 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-69 | 3.07 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-69 | 3.00 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-69 | 2.92 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-69 | 2.84 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-69 | 2.80 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-69 | 2.77 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-69 | 2.83 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-69 | 2.87 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-69 | 2.90 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-69 | 2.93 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-69 | 2.96 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-69 | 2.90 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-69 | 2.88 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-69 | 2.90 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-69 | 2.87 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-69 | 2.83 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-69 | 2.71 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-69 | 2.68 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-69 | 2.70 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-69 | 2.64 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-69 | 2.59 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-69 | 2.58 | 2.50 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-69 | 2.59 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-69 | 2.65 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-69 | 2.62 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-69 | 2.44 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-69 | 2.39 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-69 | 2.38 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-69 | 2.36 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-69 | 2.29 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-69 | 2.18 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-69 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-69 | 2.09 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-69 | 2.07 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-69 | 2.12 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-69 | 2.13 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-69 | 2.16 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-69 | 2.12 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-69 | 2.21 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-69 | 2.23 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-69 | 2.21 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-69 | 2.16 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-69 | 2.26 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-69 | 2.19 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-69 | 2.21 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-69 | 1.98 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-69 | 1.92 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-69 | 1.92 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-69 | 1.90 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-69 | 1.92 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-69 | 1.89 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-69 | 1.92 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-69 | 1.95 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-69 | 1.92 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-69 | 1.89 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-69 | 1.92 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-69 | 1.90 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-69 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-69 | 1.89 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-69 | 1.87 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-69 | 1.86 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-70 | 1.71 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-70 | 1.68 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-70 | 1.66 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-70 | 1.65 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-70 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-70 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-70 | 1.80 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-70 | 1.87 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-70 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-70 | 1.84 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-70 | 1.77 | 1.63 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-70 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-70 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-70 | 1.77 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-70 | 1.77 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-70 | 1.78 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-70 | 1.78 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-70 | 1.74 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-70 | 1.74 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-70 | 1.71 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-70 | 1.77 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-70 | 1.80 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-70 | 1.86 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-70 | 1.86 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-70 | 1.80 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-70 | 1.77 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-70 | 1.77 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-70 | 1.74 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-70 | 1.74 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-70 | 1.72 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-70 | 1.71 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-70 | 1.71 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-70 | 1.71 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-70 | 1.71 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-70 | 1.62 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-70 | 1.55 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-70 | 1.65 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-70 | 1.86 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-70 | 1.86 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-70 | 1.68 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-70 | 1.68 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-70 | 1.68 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-70 | 1.58 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-70 | 1.58 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-70 | 1.58 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-70 | 1.49 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-70 | 1.43 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-70 | 1.49 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-70 | 1.58 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-70 | 1.68 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-70 | 1.71 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-70 | 1.71 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-70 | 1.65 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-70 | 1.58 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-70 | 1.62 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-70 | 1.65 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-70 | 1.65 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-70 | 1.71 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-70 | 1.65 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-70 | 1.43 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-70 | 1.43 | 1.25 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-70 | 1.43 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-70 | 1.46 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-70 | 1.49 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-70 | 1.49 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-70 | 1.62 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-70 | 1.74 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-70 | 1.77 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-70 | 1.80 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-70 | 1.85 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-70 | 1.85 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-70 | 1.82 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-70 | 1.82 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-70 | 1.82 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-70 | 1.79 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-70 | 1.76 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-70 | 1.71 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-70 | 1.69 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-70 | 1.63 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-70 | 1.63 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-70 | 1.69 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-70 | 1.76 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-70 | 1.79 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-70 | 1.97 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-70 | 2.03 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-70 | 2.09 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-70 | 2.06 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-70 | 2.06 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-70 | 2.06 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-70 | 2.03 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-70 | 2.03 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-70 | 2.00 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-70 | 1.92 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-70 | 1.91 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-70 | 2.03 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-70 | 2.09 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-70 | 2.46 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-70 | 2.46 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-70 | 2.46 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-70 | 2.49 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-70 | 2.40 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-70 | 2.43 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-70 | 2.06 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-70 | 2.06 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-70 | 2.24 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-70 | 2.30 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-70 | 2.30 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-70 | 2.40 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-70 | 2.52 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-70 | 2.52 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-70 | 2.46 | 2.09 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-70 | 2.40 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-70 | 2.40 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-70 | 2.40 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-70 | 2.40 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-70 | 2.40 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-70 | 2.33 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-70 | 2.33 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-70 | 2.33 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-70 | 2.33 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-70 | 2.40 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-70 | 2.40 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-70 | 2.46 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-70 | 2.55 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-70 | 2.79 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-70 | 2.91 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-70 | 3.25 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-70 | 3.25 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-70 | 3.25 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-70 | 3.28 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-70 | 3.28 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-70 | 3.28 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-70 | 3.31 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-70 | 3.40 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-70 | 3.40 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-70 | 3.40 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-70 | 3.46 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-70 | 3.46 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-70 | 3.89 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-70 | 3.98 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-70 | 3.98 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-70 | 3.98 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-70 | 3.98 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-70 | 3.98 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-70 | 3.89 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-70 | 3.89 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-70 | 3.86 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-70 | 3.58 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-70 | 3.55 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-70 | 3.40 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-70 | 3.31 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-70 | 3.33 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-70 | 3.31 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-70 | 3.31 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-70 | 3.25 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-70 | 3.58 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-70 | 3.86 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-70 | 4.04 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-70 | 4.10 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-70 | 4.12 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-70 | 4.15 | 4.10 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-70 | 4.18 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-70 | 4.19 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-70 | 4.44 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-70 | 4.44 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-70 | 4.48 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-70 | 4.44 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-70 | 4.44 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-70 | 4.45 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-70 | 4.51 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-70 | 4.54 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-70 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-70 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-70 | 4.61 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-70 | 4.79 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-70 | 4.94 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-70 | 5.06 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-70 | 5.22 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-70 | 5.28 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-70 | 5.40 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-70 | 5.40 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-70 | 5.40 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-70 | 5.37 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-70 | 5.28 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-70 | 5.23 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-70 | 5.22 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-70 | 5.15 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-70 | 5.22 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-70 | 5.22 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-70 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-70 | 5.28 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-70 | 5.37 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-70 | 5.43 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-70 | 5.55 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-70 | 5.67 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-70 | 5.89 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-70 | 6.04 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-70 | 6.13 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-70 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-70 | 6.25 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-70 | 6.34 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-70 | 6.43 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-70 | 6.51 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-70 | 6.65 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-70 | 6.74 | 6.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-70 | 6.86 | 6.77 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-70 | 6.95 | 6.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-70 | 7.07 | 7.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-70 | 7.10 | 7.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-70 | 7.10 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-70 | 7.10 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-70 | 7.09 | 7.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-70 | 7.10 | 7.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-70 | 7.09 | 7.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-70 | 7.07 | 7.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-70 | 7.04 | 7.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-70 | 7.00 | 6.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-70 | 6.96 | 6.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-70 | 6.96 | 6.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-70 | 6.93 | 6.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-70 | 6.92 | 6.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-70 | 6.90 | 6.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-70 | 6.83 | 6.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-70 | 6.83 | 6.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-70 | 6.81 | 6.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-70 | 6.81 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-70 | 6.75 | 6.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-70 | 6.71 | 6.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-70 | 6.69 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-70 | 6.58 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-70 | 6.52 | 6.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-70 | 6.43 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-70 | 6.31 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-70 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-70 | 6.16 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-70 | 6.13 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-70 | 6.07 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-70 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-70 | 5.97 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-70 | 6.02 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-70 | 6.00 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-70 | 5.97 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-70 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-70 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-70 | 5.76 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-70 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-70 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-70 | 5.70 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-70 | 5.61 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-70 | 5.55 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-70 | 5.52 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-70 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-70 | 5.46 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-70 | 5.46 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-70 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-70 | 5.52 | 5.49 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-70 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-70 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-70 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-70 | 5.61 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-70 | 5.61 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-70 | 5.64 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-70 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-70 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-70 | 5.67 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-70 | 5.67 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-70 | 5.70 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-70 | 5.76 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-70 | 5.91 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-70 | 6.02 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-70 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-70 | 6.07 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-70 | 6.10 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-70 | 6.07 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-70 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-70 | 6.04 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-70 | 6.00 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-70 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-70 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-70 | 5.76 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-70 | 5.70 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-70 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-70 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-70 | 5.46 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-70 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-70 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-70 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-70 | 4.88 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-70 | 4.79 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-70 | 4.75 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-70 | 5.14 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-70 | 4.98 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-70 | 4.80 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-70 | 4.47 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-70 | 4.47 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-70 | 4.29 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-70 | 4.29 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-70 | 4.29 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-70 | 4.21 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-70 | 4.19 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-70 | 4.15 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-70 | 4.03 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-70 | 3.92 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-70 | 3.80 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-70 | 3.69 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-70 | 3.58 | 3.49 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-70 | 3.49 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-70 | 3.43 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-70 | 3.46 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-70 | 3.49 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-70 | 3.65 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-70 | 3.57 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-70 | 3.45 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-70 | 3.26 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-70 | 3.28 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-70 | 3.11 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-70 | 3.14 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-70 | 3.14 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-70 | 3.13 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-70 | 3.13 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-70 | 3.05 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-70 | 3.04 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-70 | 2.96 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-70 | 2.96 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-70 | 3.02 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-70 | 2.99 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-70 | 2.96 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-70 | 2.96 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-70 | 2.90 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-70 | 2.85 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-70 | 2.78 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-70 | 2.50 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-70 | 2.38 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-70 | 2.32 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-70 | 2.29 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-70 | 2.23 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-70 | 2.27 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-70 | 2.23 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-70 | 2.20 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-70 | 2.29 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-70 | 2.29 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-70 | 2.29 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-70 | 2.19 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-70 | 2.20 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-70 | 2.17 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-70 | 2.11 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-70 | 2.05 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-70 | 1.90 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-70 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-70 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-70 | 1.74 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-70 | 1.74 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-70 | 1.74 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-70 | 1.77 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-70 | 1.77 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-70 | 1.74 | 1.65 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-70 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-70 | 1.99 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-70 | 1.93 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-71 | 1.90 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-71 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-71 | 1.90 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-71 | 1.87 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-71 | 1.74 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-71 | 1.71 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-71 | 1.67 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-71 | 1.62 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-71 | 1.62 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-71 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-71 | 1.74 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-71 | 1.77 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-71 | 1.77 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-71 | 1.77 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-71 | 1.79 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-71 | 1.74 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-71 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-71 | 1.68 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-71 | 1.59 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-71 | 1.53 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-71 | 1.47 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-71 | 1.47 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-71 | 1.45 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-71 | 1.44 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-71 | 1.47 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-71 | 1.62 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-71 | 1.68 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-71 | 1.83 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-71 | 1.91 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-71 | 1.93 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-71 | 1.74 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-71 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-71 | 1.87 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-71 | 1.87 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-71 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-71 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-71 | 1.71 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-71 | 1.70 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-71 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-71 | 1.65 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-71 | 1.61 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-71 | 1.71 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-71 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-71 | 1.64 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-71 | 1.58 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-71 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-71 | 1.50 | 1.41 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-71 | 1.41 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-71 | 1.38 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-71 | 1.38 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-71 | 1.35 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-71 | 1.32 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-71 | 1.29 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-71 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-71 | 1.38 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-71 | 1.50 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-71 | 1.59 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-71 | 1.68 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-71 | 1.68 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-71 | 1.68 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-71 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-71 | 1.62 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-71 | 1.38 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-71 | 1.32 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-71 | 1.27 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-71 | 1.23 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-71 | 1.23 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-71 | 1.23 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-71 | 1.24 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-71 | 1.26 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-71 | 1.29 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-71 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-71 | 1.29 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-71 | 1.32 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-71 | 1.32 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-71 | 1.41 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-71 | 1.44 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-71 | 1.44 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-71 | 1.38 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-71 | 1.39 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-71 | 1.38 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-71 | 1.32 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-71 | 1.35 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-71 | 1.47 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-71 | 1.74 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-71 | 1.50 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-71 | 1.65 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-71 | 1.68 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-71 | 1.71 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-71 | 1.74 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-71 | 1.96 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-71 | 1.99 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-71 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-71 | 1.65 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-71 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-71 | 1.53 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-71 | 1.51 | 1.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-71 | 1.48 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-71 | 1.50 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-71 | 1.53 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-71 | 1.59 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-71 | 1.61 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-71 | 1.64 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-71 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-71 | 1.71 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-71 | 1.74 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-71 | 1.74 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-71 | 1.77 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-71 | 1.79 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-71 | 1.80 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-71 | 1.85 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-71 | 1.97 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-71 | 1.99 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-71 | 2.01 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-71 | 2.08 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-71 | 2.08 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-71 | 2.08 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-71 | 2.11 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-71 | 2.09 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-71 | 2.09 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-71 | 2.12 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-71 | 2.12 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-71 | 2.20 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-71 | 2.19 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-71 | 2.22 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-71 | 2.26 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-71 | 2.32 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-71 | 2.43 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-71 | 2.54 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-71 | 2.57 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-71 | 2.60 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-71 | 2.63 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-71 | 2.61 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-71 | 2.60 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-71 | 2.57 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-71 | 2.57 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-71 | 2.58 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-71 | 2.65 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-71 | 2.55 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-71 | 2.54 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-71 | 2.57 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-71 | 2.60 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-71 | 2.63 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-71 | 2.69 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-71 | 2.79 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-71 | 2.82 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-71 | 2.76 | 2.72 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-71 | 2.76 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-71 | 2.60 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-71 | 2.63 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-71 | 2.54 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-71 | 2.57 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-71 | 2.60 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-71 | 2.76 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-71 | 2.91 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-71 | 3.12 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-71 | 3.24 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-71 | 3.27 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-71 | 3.27 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-71 | 3.33 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-71 | 3.33 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-71 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-71 | 3.49 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-71 | 3.52 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-71 | 3.58 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-71 | 3.70 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-71 | 3.91 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-71 | 4.22 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-71 | 4.58 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-71 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-71 | 4.80 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-71 | 4.89 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-71 | 5.01 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-71 | 5.06 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-71 | 5.10 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-71 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-71 | 5.16 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-71 | 5.13 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-71 | 5.09 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-71 | 5.13 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-71 | 5.13 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-71 | 5.16 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-71 | 5.19 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-71 | 5.22 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-71 | 5.25 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-71 | 5.30 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-71 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-71 | 5.50 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-71 | 5.53 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-71 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-71 | 5.65 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-71 | 5.74 | 5.68 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-71 | 5.83 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-71 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-71 | 5.88 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-71 | 5.86 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-71 | 5.96 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-71 | 6.05 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-71 | 6.11 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-71 | 6.08 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-71 | 6.08 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-71 | 6.08 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-71 | 6.08 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-71 | 6.08 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-71 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-71 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-71 | 6.05 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-71 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-71 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-71 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-71 | 6.03 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-71 | 6.03 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-71 | 6.05 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-71 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-71 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-71 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-71 | 6.31 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-71 | 6.31 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-71 | 6.31 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-71 | 6.32 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-71 | 6.32 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-71 | 6.46 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-71 | 6.46 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-71 | 6.49 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-71 | 6.50 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-71 | 6.55 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-71 | 6.57 | 6.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-71 | 6.63 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-71 | 6.66 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-71 | 6.66 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-71 | 6.66 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-71 | 6.69 | 6.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-71 | 6.72 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-71 | 6.73 | 6.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-71 | 6.78 | 6.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-71 | 6.79 | 6.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-71 | 6.81 | 6.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-71 | 6.81 | 6.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-71 | 6.76 | 6.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-71 | 6.72 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-71 | 6.69 | 6.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-71 | 6.70 | 6.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-71 | 6.70 | 6.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-71 | 6.66 | 6.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-71 | 6.67 | 6.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-71 | 6.64 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-71 | 6.57 | 6.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-71 | 6.50 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-71 | 6.44 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-71 | 6.38 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-71 | 6.32 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-71 | 6.26 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-71 | 6.23 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-71 | 6.17 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-71 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-71 | 6.08 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-71 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-71 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-71 | 6.02 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-71 | 6.00 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-71 | 5.99 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-71 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-71 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-71 | 5.80 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-71 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-71 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-71 | 5.59 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-71 | 5.65 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-71 | 5.65 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-71 | 5.59 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-71 | 5.59 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-71 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-71 | 5.64 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-71 | 5.64 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-71 | 5.61 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-71 | 5.57 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-71 | 5.51 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-71 | 5.48 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-71 | 5.41 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-71 | 5.38 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-71 | 5.35 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-71 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-71 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-71 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-71 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-71 | 5.33 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-71 | 5.30 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-71 | 5.22 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-71 | 5.16 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-71 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-71 | 5.04 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-71 | 4.92 | 4.92 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-71 | 4.86 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-71 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-71 | 4.72 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-71 | 4.66 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-71 | 4.60 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-71 | 4.54 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-71 | 4.51 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-71 | 4.46 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-71 | 4.45 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-71 | 4.43 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-71 | 4.43 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-71 | 4.43 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-71 | 4.42 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-71 | 4.40 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-71 | 4.40 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-71 | 4.36 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-71 | 4.36 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-71 | 4.37 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-71 | 4.33 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-71 | 4.26 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-71 | 4.26 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-71 | 4.26 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-71 | 4.23 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-71 | 4.26 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-71 | 4.29 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-71 | 4.33 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-71 | 4.29 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-71 | 4.33 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-71 | 4.31 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-71 | 4.25 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-71 | 4.17 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-71 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-71 | 4.02 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-71 | 3.99 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-71 | 3.81 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-71 | 3.73 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-71 | 3.69 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-71 | 3.69 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-71 | 3.56 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-71 | 3.52 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-71 | 3.38 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-71 | 3.38 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-71 | 3.18 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-71 | 3.11 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-71 | 3.01 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-71 | 3.01 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-71 | 3.01 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-71 | 2.98 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-71 | 2.98 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-71 | 2.97 | 2.91 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-71 | 2.92 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-71 | 2.86 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-71 | 2.95 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-71 | 2.92 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-71 | 2.71 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-71 | 2.53 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-71 | 2.50 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-71 | 2.48 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-71 | 2.45 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-71 | 2.39 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-71 | 1.98 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-71 | 1.98 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-71 | 1.98 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-71 | 1.92 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-71 | 1.95 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-71 | 2.01 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-71 | 2.01 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-71 | 2.01 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-72 | 1.95 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-72 | 1.98 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-72 | 2.01 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-72 | 2.07 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-72 | 2.07 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-72 | 1.89 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-72 | 1.87 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-72 | 1.83 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-72 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-72 | 1.68 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-72 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-72 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-72 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-72 | 1.54 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-72 | 1.52 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-72 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-72 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-72 | 1.77 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-72 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-72 | 1.77 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-72 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-72 | 1.62 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-72 | 1.55 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-72 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-72 | 1.46 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-72 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-72 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-72 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-72 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-72 | 1.68 | 1.49 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-72 | 1.71 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-72 | 1.71 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-72 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-72 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-72 | 1.51 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-72 | 1.34 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-72 | 1.26 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-72 | 1.25 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-72 | 1.22 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-72 | 1.23 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-72 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-72 | 1.37 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-72 | 1.52 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-72 | 1.58 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-72 | 1.65 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-72 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-72 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-72 | 1.52 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-72 | 1.49 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-72 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-72 | 1.33 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-72 | 1.26 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-72 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-72 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-72 | 1.31 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-72 | 1.43 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-72 | 1.49 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-72 | 1.52 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-72 | 1.54 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-72 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-72 | 1.54 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-72 | 1.37 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-72 | 1.31 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-72 | 1.22 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-72 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-72 | 1.34 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-72 | 1.37 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-72 | 1.49 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-72 | 1.65 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-72 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-72 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-72 | 1.98 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-72 | 1.89 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-72 | 1.86 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-72 | 1.74 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-72 | 1.58 | 1.49 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-72 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-72 | 1.40 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-72 | 1.34 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-72 | 1.37 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-72 | 1.46 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-72 | 1.68 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-72 | 1.74 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-72 | 1.89 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-72 | 1.95 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-72 | 1.98 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-72 | 2.07 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-72 | 1.98 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-72 | 1.98 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-72 | 1.98 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-72 | 1.89 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-72 | 1.84 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-72 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-72 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-72 | 1.71 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-72 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-72 | 2.16 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-72 | 2.32 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-72 | 2.53 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-72 | 2.51 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-72 | 2.41 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-72 | 2.41 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-72 | 2.29 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-72 | 2.26 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-72 | 2.19 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-72 | 2.19 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-72 | 2.16 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-72 | 1.92 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-72 | 1.89 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-72 | 2.07 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-72 | 2.07 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-72 | 2.26 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-72 | 2.26 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-72 | 2.47 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-72 | 2.47 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-72 | 2.50 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-72 | 2.50 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-72 | 2.47 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-72 | 2.47 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-72 | 2.44 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-72 | 2.44 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-72 | 2.44 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-72 | 2.47 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-72 | 2.50 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-72 | 2.54 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-72 | 2.65 | 2.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-72 | 2.80 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-72 | 2.90 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-72 | 2.93 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-72 | 2.99 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-72 | 3.05 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-72 | 3.17 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-72 | 3.14 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-72 | 3.14 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-72 | 3.32 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-72 | 3.29 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-72 | 3.29 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-72 | 3.29 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-72 | 3.38 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-72 | 3.60 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-72 | 3.60 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-72 | 3.66 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-72 | 3.69 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-72 | 3.67 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-72 | 3.63 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-72 | 3.63 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-72 | 3.63 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-72 | 3.63 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-72 | 3.63 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-72 | 3.72 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-72 | 3.81 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-72 | 3.81 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-72 | 3.84 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-72 | 3.81 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-72 | 3.81 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-72 | 3.76 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-72 | 3.76 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-72 | 3.84 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-72 | 3.81 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-72 | 3.87 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-72 | 3.87 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-72 | 3.90 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-72 | 3.90 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-72 | 3.93 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-72 | 3.96 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-72 | 3.96 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-72 | 3.96 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-72 | 4.15 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-72 | 4.36 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-72 | 4.51 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-72 | 4.66 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-72 | 4.75 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-72 | 4.87 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-72 | 4.97 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-72 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-72 | 5.09 | 5.06 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-72 | 5.15 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-72 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-72 | 4.91 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-72 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-72 | 4.87 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-72 | 4.89 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-72 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-72 | 4.91 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-72 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-72 | 4.87 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-72 | 4.89 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-72 | 4.89 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-72 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-72 | 4.86 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-72 | 4.86 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-72 | 4.83 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-72 | 4.86 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-72 | 4.97 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-72 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-72 | 5.15 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-72 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-72 | 5.46 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-72 | 5.55 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-72 | 5.58 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-72 | 5.61 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-72 | 5.64 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-72 | 5.64 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-72 | 5.76 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-72 | 5.82 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-72 | 5.90 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-72 | 6.01 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-72 | 6.07 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-72 | 6.02 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-72 | 5.97 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-72 | 5.97 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-72 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-72 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-72 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-72 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-72 | 5.79 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-72 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-72 | 5.75 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-72 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-72 | 5.55 | 5.50 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-72 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-72 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-72 | 5.36 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-72 | 5.33 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-72 | 5.29 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-72 | 5.26 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-72 | 5.23 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-72 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-72 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-72 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-72 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-72 | 5.07 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-72 | 4.98 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-72 | 4.94 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-72 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-72 | 4.91 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-72 | 4.97 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-72 | 5.00 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-72 | 5.07 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-72 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-72 | 5.17 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-72 | 5.27 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-72 | 5.35 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-72 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-72 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-72 | 5.35 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-72 | 5.33 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-72 | 5.27 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-72 | 5.23 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-72 | 5.20 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-72 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-72 | 5.11 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-72 | 5.07 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-72 | 5.09 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-72 | 5.11 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-72 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-72 | 5.09 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-72 | 5.06 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-72 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-72 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-72 | 4.91 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-72 | 4.89 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-72 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-72 | 4.74 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-72 | 4.69 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-72 | 4.66 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-72 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-72 | 4.54 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-72 | 4.54 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-72 | 4.45 | 4.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-72 | 4.43 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-72 | 4.37 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-72 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-72 | 4.17 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-72 | 4.05 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-72 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-72 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-72 | 3.90 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-72 | 3.89 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-72 | 3.78 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-72 | 3.78 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-72 | 3.66 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-72 | 3.66 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-72 | 3.57 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-72 | 3.46 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-72 | 3.37 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-72 | 3.26 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-72 | 3.15 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-72 | 3.12 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-72 | 3.11 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-72 | 3.09 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-72 | 3.05 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-72 | 2.90 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-72 | 2.77 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-72 | 2.71 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-72 | 2.68 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-72 | 2.63 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-72 | 2.59 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-72 | 2.54 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-72 | 2.51 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-72 | 2.41 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-72 | 2.56 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-72 | 2.56 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-72 | 2.48 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-72 | 2.44 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-72 | 2.33 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-72 | 2.26 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-72 | 2.23 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-72 | 2.23 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-72 | 2.24 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-72 | 2.19 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-72 | 2.23 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-72 | 2.24 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-72 | 2.54 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-72 | 2.51 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-72 | 2.50 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-72 | 2.50 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-72 | 2.35 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-72 | 2.07 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-72 | 2.04 | 1.98 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-72 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-72 | 1.95 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-72 | 1.98 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-72 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-72 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-72 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-72 | 1.98 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-72 | 2.00 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-72 | 2.00 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-72 | 1.95 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-72 | 1.92 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-72 | 1.92 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-72 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-72 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-72 | 1.77 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-72 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-72 | 1.68 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-72 | 1.62 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-72 | 1.62 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-72 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-72 | 1.75 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-72 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-72 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-72 | 1.83 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-72 | 1.83 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-72 | 1.77 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-72 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-72 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-72 | 1.71 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-72 | 1.68 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-72 | 1.49 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-72 | 1.49 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-72 | 1.40 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-72 | 1.37 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-73 | 1.37 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-73 | 1.39 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-73 | 1.40 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-73 | 1.46 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-73 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-73 | 1.49 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-73 | 1.51 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-73 | 1.51 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-73 | 1.51 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-73 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-73 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-73 | 1.48 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-73 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-73 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-73 | 1.42 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-73 | 1.43 | 1.31 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-73 | 1.42 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-73 | 1.37 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-73 | 1.46 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-73 | 1.65 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-73 | 1.62 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-73 | 1.55 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-73 | 1.52 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-73 | 1.37 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-73 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-73 | 1.31 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-73 | 1.25 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-73 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-73 | 1.19 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-73 | 1.17 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-73 | 1.16 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-73 | 1.25 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-73 | 1.30 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-73 | 1.31 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-73 | 1.31 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-73 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-73 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-73 | 1.46 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-73 | 1.39 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-73 | 1.37 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-73 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-73 | 1.25 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-73 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-73 | 1.19 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-73 | 1.19 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-73 | 1.28 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-73 | 1.34 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-73 | 1.48 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-73 | 1.49 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-73 | 1.65 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-73 | 1.62 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-73 | 1.55 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-73 | 1.43 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-73 | 1.31 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-73 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-73 | 1.22 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-73 | 1.16 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-73 | 1.16 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-73 | 1.34 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-73 | 1.36 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-73 | 1.37 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-73 | 1.40 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-73 | 1.46 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-73 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-73 | 1.48 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-73 | 1.48 | 1.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-73 | 1.46 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-73 | 1.43 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-73 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-73 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-73 | 1.31 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-73 | 1.25 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-73 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-73 | 1.22 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-73 | 1.19 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-73 | 1.22 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-73 | 1.28 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-73 | 1.40 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-73 | 1.49 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-73 | 1.58 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-73 | 1.62 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-73 | 1.57 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-73 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-73 | 1.37 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-73 | 1.37 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-73 | 1.31 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-73 | 1.36 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-73 | 1.37 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-73 | 1.37 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-73 | 1.37 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-73 | 1.49 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-73 | 1.58 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-73 | 1.80 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-73 | 1.81 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-73 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-73 | 2.07 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-73 | 1.89 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-73 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-73 | 1.86 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-73 | 1.74 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-73 | 1.74 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-73 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-73 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-73 | 2.13 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-73 | 2.26 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-73 | 2.35 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-73 | 2.35 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-73 | 2.35 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-73 | 2.35 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-73 | 2.29 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-73 | 2.29 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-73 | 2.32 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-73 | 2.38 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-73 | 2.48 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-73 | 2.51 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-73 | 2.50 | 2.41 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-73 | 2.50 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-73 | 2.47 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-73 | 2.45 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-73 | 2.41 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-73 | 2.44 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-73 | 2.44 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-73 | 2.53 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-73 | 2.50 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-73 | 2.50 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-73 | 2.59 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-73 | 2.82 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-73 | 2.93 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-73 | 2.87 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-73 | 2.87 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-73 | 2.93 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-73 | 2.93 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-73 | 2.93 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-73 | 2.99 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-73 | 3.02 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-73 | 3.02 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-73 | 3.22 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-73 | 3.35 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-73 | 3.41 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-73 | 3.47 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-73 | 3.66 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-73 | 3.72 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-73 | 3.72 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-73 | 3.69 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-73 | 3.66 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-73 | 3.66 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-73 | 3.60 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-73 | 3.60 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-73 | 3.58 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-73 | 3.57 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-73 | 3.57 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-73 | 3.57 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-73 | 3.55 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-73 | 3.51 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-73 | 3.51 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-73 | 3.54 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-73 | 3.57 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-73 | 3.57 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-73 | 3.63 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-73 | 3.66 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-73 | 3.77 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-73 | 3.86 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-73 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-73 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-73 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-73 | 3.96 | 3.93 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-73 | 4.05 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-73 | 4.26 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-73 | 4.44 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-73 | 4.69 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-73 | 4.90 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-73 | 5.05 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-73 | 5.18 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-73 | 5.28 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-73 | 5.39 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-73 | 5.48 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-73 | 5.54 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-73 | 5.65 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-73 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-73 | 5.90 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-73 | 5.94 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-73 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-73 | 5.97 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-73 | 6.00 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-73 | 5.97 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-73 | 5.96 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-73 | 5.94 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-73 | 5.91 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-73 | 5.91 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-73 | 5.84 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-73 | 5.75 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-73 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-73 | 5.56 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-73 | 5.50 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-73 | 5.46 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-73 | 5.38 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-73 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-73 | 5.24 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-73 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-73 | 5.12 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-73 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-73 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-73 | 5.07 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-73 | 5.03 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-73 | 4.91 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-73 | 4.88 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-73 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-73 | 4.95 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-73 | 5.04 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-73 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-73 | 5.32 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-73 | 5.49 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-73 | 5.61 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-73 | 5.70 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-73 | 5.76 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-73 | 5.86 | 5.82 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-73 | 5.91 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-73 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-73 | 6.04 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-73 | 6.13 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-73 | 6.17 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-73 | 6.25 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-73 | 6.31 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-73 | 6.37 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-73 | 6.43 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-73 | 6.48 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-73 | 6.51 | 6.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-73 | 6.52 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-73 | 6.52 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-73 | 6.55 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-73 | 6.52 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-73 | 6.49 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-73 | 6.51 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-73 | 6.46 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-73 | 6.40 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-73 | 6.32 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-73 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-73 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-73 | 6.22 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-73 | 6.16 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-73 | 6.07 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-73 | 6.00 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-73 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-73 | 5.84 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-73 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-73 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-73 | 5.81 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-73 | 5.78 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-73 | 5.68 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-73 | 5.61 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-73 | 5.49 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-73 | 5.46 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-73 | 5.44 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-73 | 5.36 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-73 | 5.30 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-73 | 5.30 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-73 | 5.36 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-73 | 5.49 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-73 | 5.61 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-73 | 5.64 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-73 | 5.70 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-73 | 5.76 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-73 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-73 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-73 | 5.99 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-73 | 6.08 | 6.07 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-73 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-73 | 6.08 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-73 | 6.04 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-73 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-73 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-73 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-73 | 5.79 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-73 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-73 | 5.75 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-73 | 5.67 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-73 | 5.59 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-73 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-73 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-73 | 5.36 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-73 | 5.29 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-73 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-73 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-73 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-73 | 5.21 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-73 | 5.23 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-73 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-73 | 5.15 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-73 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-73 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-73 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-73 | 5.09 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-73 | 5.00 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-73 | 4.88 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-73 | 4.72 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-73 | 4.61 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-73 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-73 | 4.51 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-73 | 4.43 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-73 | 4.31 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-73 | 4.25 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-73 | 4.21 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-73 | 4.15 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-73 | 4.04 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-73 | 3.95 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-73 | 3.86 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-73 | 3.87 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-73 | 3.78 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-73 | 3.78 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-73 | 3.81 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-73 | 3.84 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-73 | 3.87 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-73 | 3.87 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-73 | 3.81 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-73 | 3.72 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-73 | 3.58 | 3.54 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-73 | 3.40 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-73 | 3.20 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-73 | 3.15 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-73 | 3.05 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-73 | 3.03 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-73 | 2.99 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-73 | 2.96 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-73 | 2.87 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-73 | 2.74 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-73 | 2.74 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-73 | 2.65 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-73 | 2.74 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-73 | 2.71 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-73 | 2.71 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-73 | 2.68 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-73 | 2.68 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-73 | 2.59 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-73 | 2.59 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-73 | 2.59 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-73 | 2.42 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-73 | 2.35 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-73 | 2.16 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-73 | 2.07 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-73 | 2.04 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-73 | 2.01 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-73 | 2.19 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-73 | 2.59 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-73 | 2.77 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-73 | 2.71 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-73 | 2.68 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-73 | 2.68 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-73 | 2.68 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-73 | 2.62 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-73 | 2.62 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-73 | 2.53 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-73 | 2.44 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-73 | 2.38 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-73 | 2.33 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-73 | 2.23 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-73 | 2.16 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-73 | 2.12 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-73 | 2.01 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-73 | 2.00 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-73 | 1.98 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-73 | 2.01 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-73 | 2.04 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-73 | 2.07 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-73 | 2.07 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-73 | 2.04 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-74 | 2.01 | 1.86 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-74 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-74 | 1.77 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-74 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-74 | 1.71 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-74 | 1.74 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-74 | 1.80 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-74 | 1.95 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-74 | 1.95 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-74 | 2.07 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-74 | 2.07 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-74 | 2.07 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-74 | 2.04 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-74 | 2.01 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-74 | 1.89 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-74 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-74 | 1.62 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-74 | 1.58 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-74 | 1.57 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-74 | 1.49 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-74 | 1.52 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-74 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-74 | 1.62 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-74 | 1.68 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-74 | 1.72 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-74 | 1.71 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-74 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-74 | 1.71 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-74 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-74 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-74 | 1.66 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-74 | 1.55 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-74 | 1.55 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-74 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-74 | 1.52 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-74 | 1.52 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-74 | 1.52 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-74 | 1.49 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-74 | 1.46 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-74 | 1.46 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-74 | 1.46 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-74 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-74 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-74 | 1.43 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-74 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-74 | 1.37 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-74 | 1.34 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-74 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-74 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-74 | 1.31 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-74 | 1.34 | 1.28 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-74 | 1.37 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-74 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-74 | 1.49 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-74 | 1.60 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-74 | 1.62 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-74 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-74 | 1.60 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-74 | 1.58 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-74 | 1.55 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-74 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-74 | 1.40 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-74 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-74 | 1.49 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-74 | 1.91 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-74 | 1.80 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-74 | 1.83 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-74 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-74 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-74 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-74 | 1.83 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-74 | 1.83 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-74 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-74 | 1.77 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-74 | 1.77 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-74 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-74 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-74 | 1.68 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-74 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-74 | 1.71 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-74 | 1.71 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-74 | 1.83 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-74 | 1.89 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-74 | 1.98 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-74 | 1.94 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-74 | 1.92 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-74 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-74 | 1.80 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-74 | 1.80 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-74 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-74 | 1.66 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-74 | 1.71 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-74 | 1.81 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-74 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-74 | 2.01 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-74 | 2.10 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-74 | 2.12 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-74 | 2.13 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-74 | 2.06 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-74 | 1.92 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-74 | 1.86 | 1.77 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-74 | 1.80 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-74 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-74 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-74 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-74 | 1.71 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-74 | 1.74 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-74 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-74 | 2.10 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-74 | 2.19 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-74 | 2.35 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-74 | 2.36 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-74 | 2.38 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-74 | 2.35 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-74 | 2.35 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-74 | 2.35 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-74 | 2.35 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-74 | 2.35 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-74 | 2.47 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-74 | 2.53 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-74 | 2.62 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-74 | 2.68 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-74 | 2.96 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-74 | 2.96 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-74 | 2.96 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-74 | 3.11 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-74 | 3.12 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-74 | 2.97 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-74 | 2.90 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-74 | 2.91 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-74 | 2.96 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-74 | 3.11 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-74 | 3.26 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-74 | 3.26 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-74 | 3.32 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-74 | 3.34 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-74 | 3.35 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-74 | 3.38 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-74 | 3.41 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-74 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-74 | 3.43 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-74 | 3.43 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-74 | 3.75 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-74 | 3.75 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-74 | 3.47 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-74 | 3.46 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-74 | 3.40 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-74 | 3.41 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-74 | 3.47 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-74 | 3.47 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-74 | 3.41 | 3.31 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-74 | 3.29 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-74 | 3.29 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-74 | 3.37 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-74 | 3.41 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-74 | 3.44 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-74 | 3.57 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-74 | 3.84 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-74 | 3.93 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-74 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-74 | 4.16 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-74 | 4.16 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-74 | 4.11 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-74 | 4.02 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-74 | 3.95 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-74 | 3.90 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-74 | 3.92 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-74 | 3.89 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-74 | 3.89 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-74 | 3.92 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-74 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-74 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-74 | 4.31 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-74 | 4.50 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-74 | 4.69 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-74 | 4.82 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-74 | 4.95 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-74 | 5.04 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-74 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-74 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-74 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-74 | 5.17 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-74 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-74 | 5.24 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-74 | 5.33 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-74 | 5.43 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-74 | 5.49 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-74 | 5.58 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-74 | 5.65 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-74 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-74 | 5.73 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-74 | 5.73 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-74 | 5.70 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-74 | 5.70 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-74 | 5.68 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-74 | 5.68 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-74 | 5.64 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-74 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-74 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-74 | 5.82 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-74 | 5.88 | 5.85 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-74 | 5.99 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-74 | 6.08 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-74 | 6.16 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-74 | 6.19 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-74 | 6.22 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-74 | 6.22 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-74 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-74 | 6.31 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-74 | 6.39 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-74 | 6.39 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-74 | 6.51 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-74 | 6.57 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-74 | 6.64 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-74 | 6.72 | 6.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-74 | 6.78 | 6.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-74 | 6.88 | 6.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-74 | 6.87 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-74 | 6.96 | 6.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-74 | 7.03 | 7.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-74 | 7.09 | 7.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-74 | 7.12 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-74 | 7.12 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-74 | 7.10 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-74 | 7.09 | 7.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-74 | 7.06 | 7.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-74 | 6.97 | 6.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-74 | 6.95 | 6.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-74 | 6.87 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-74 | 6.89 | 6.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-74 | 6.83 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-74 | 6.72 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-74 | 6.63 | 6.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-74 | 6.58 | 6.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-74 | 6.45 | 6.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-74 | 6.32 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-74 | 6.23 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-74 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-74 | 6.08 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-74 | 6.10 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-74 | 6.07 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-74 | 6.04 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-74 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-74 | 6.10 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-74 | 6.16 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-74 | 6.23 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-74 | 6.31 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-74 | 6.39 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-74 | 6.45 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-74 | 6.48 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-74 | 6.52 | 6.51 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-74 | 6.51 | 6.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-74 | 6.51 | 6.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-74 | 6.48 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-74 | 6.48 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-74 | 6.46 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-74 | 6.36 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-74 | 6.32 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-74 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-74 | 6.20 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-74 | 6.14 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-74 | 6.11 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-74 | 6.05 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-74 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-74 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-74 | 6.13 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-74 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-74 | 6.04 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-74 | 6.10 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-74 | 5.98 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-74 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-74 | 6.04 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-74 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-74 | 6.00 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-74 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-74 | 5.95 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-74 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-74 | 5.83 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-74 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-74 | 5.71 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-74 | 5.63 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-74 | 5.55 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-74 | 5.45 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-74 | 5.31 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-74 | 5.25 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-74 | 5.13 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-74 | 5.00 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-74 | 4.88 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-74 | 4.82 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-74 | 4.76 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-74 | 4.67 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-74 | 4.59 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-74 | 4.49 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-74 | 4.36 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-74 | 4.27 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-74 | 4.17 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-74 | 4.09 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-74 | 4.04 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-74 | 3.97 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-74 | 3.91 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-74 | 3.91 | 3.88 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-74 | 3.91 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-74 | 3.88 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-74 | 3.80 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-74 | 3.80 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-74 | 3.79 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-74 | 3.79 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-74 | 3.79 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-74 | 3.79 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-74 | 3.57 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-74 | 3.45 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-74 | 3.45 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-74 | 3.27 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-74 | 3.12 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-74 | 3.12 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-74 | 3.08 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-74 | 3.05 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-74 | 2.99 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-74 | 2.99 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-74 | 2.90 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-74 | 2.87 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-74 | 2.72 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-74 | 2.60 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-74 | 2.47 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-74 | 2.39 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-74 | 2.29 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-74 | 2.23 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-74 | 2.17 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-74 | 2.23 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-74 | 2.41 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-74 | 2.58 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-74 | 2.70 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-74 | 2.69 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-74 | 2.64 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-74 | 2.54 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-74 | 2.47 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-74 | 2.38 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-74 | 2.31 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-74 | 2.26 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-74 | 2.11 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-74 | 2.05 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-74 | 2.05 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-74 | 2.02 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-74 | 2.08 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-74 | 2.02 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-74 | 2.02 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-74 | 2.03 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-74 | 2.08 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-74 | 2.09 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-74 | 2.05 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-74 | 2.05 | 1.87 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-74 | 1.97 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-74 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-74 | 2.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-74 | 2.63 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-74 | 2.60 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-74 | 2.55 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-74 | 2.52 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-74 | 2.58 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-74 | 2.58 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-74 | 2.58 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-74 | 2.72 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-74 | 2.78 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-74 | 2.84 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-75 | 2.84 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-75 | 2.81 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-75 | 2.77 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-75 | 2.68 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-75 | 2.74 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-75 | 2.49 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-75 | 2.46 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-75 | 2.45 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-75 | 2.45 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-75 | 2.46 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-75 | 2.52 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-75 | 2.54 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-75 | 2.55 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-75 | 2.55 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-75 | 2.54 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-75 | 2.54 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-75 | 2.52 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-75 | 2.51 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-75 | 2.49 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-75 | 2.46 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-75 | 2.45 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-75 | 2.43 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-75 | 2.40 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-75 | 2.39 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-75 | 2.40 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-75 | 2.46 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-75 | 2.49 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-75 | 2.58 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-75 | 2.74 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-75 | 2.83 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-75 | 2.92 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-75 | 2.89 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-75 | 1.87 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-75 | 1.90 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-75 | 1.87 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-75 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-75 | 1.69 | 1.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-75 | 1.61 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-75 | 1.59 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-75 | 1.62 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-75 | 1.65 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-75 | 1.62 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-75 | 1.59 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-75 | 1.59 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-75 | 1.56 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-75 | 1.46 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-75 | 1.46 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-75 | 1.43 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-75 | 1.49 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-75 | 1.46 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-75 | 1.49 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-75 | 1.49 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-75 | 1.52 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-75 | 1.46 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-75 | 1.49 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-75 | 1.49 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-75 | 1.49 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-75 | 1.49 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-75 | 1.49 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-75 | 1.49 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-75 | 1.46 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-75 | 1.43 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-75 | 1.43 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-75 | 1.34 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-75 | 1.40 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-75 | 1.40 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-75 | 1.40 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-75 | 1.24 | 1.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-75 | 1.21 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-75 | 1.18 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-75 | 1.19 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-75 | 1.21 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-75 | 1.24 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-75 | 1.27 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-75 | 1.21 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-75 | 1.21 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-75 | 1.24 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-75 | 1.24 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-75 | 1.24 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-75 | 1.24 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-75 | 1.21 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-75 | 1.12 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-75 | 1.15 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-75 | 1.21 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-75 | 1.21 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-75 | 1.21 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-75 | 1.40 | 1.30 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-75 | 1.61 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-75 | 1.58 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-75 | 1.58 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-81 | 1.19 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-81 | 1.34 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-81 | 1.46 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-81 | 1.62 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-81 | 1.86 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-81 | 2.01 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-81 | 2.03 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-81 | 2.01 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-81 | 1.92 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-81 | 1.80 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-81 | 1.77 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-81 | 1.77 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-81 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-81 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-81 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-81 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-81 | 2.10 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-81 | 2.32 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-81 | 2.32 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-81 | 2.41 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-81 | 2.29 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-81 | 2.32 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-81 | 2.29 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-81 | 2.19 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-81 | 2.06 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-81 | 1.95 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-81 | 1.91 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-81 | 1.86 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-81 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-81 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-81 | 1.89 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-81 | 2.01 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-81 | 2.04 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-81 | 2.16 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-81 | 2.35 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-81 | 2.35 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-81 | 2.32 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-81 | 2.32 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-81 | 2.19 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-81 | 2.04 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-81 | 1.98 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-81 | 1.83 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-81 | 1.77 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-81 | 1.93 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-81 | 1.95 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-81 | 2.13 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-81 | 2.32 | 2.13 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-81 | 2.35 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-81 | 2.47 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-81 | 2.53 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-81 | 2.62 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-81 | 2.68 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-81 | 2.68 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-81 | 2.59 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-81 | 2.59 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-81 | 2.59 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-81 | 2.62 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-81 | 2.62 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-81 | 2.62 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-81 | 2.71 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-81 | 2.77 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-81 | 2.93 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-81 | 3.03 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-81 | 3.26 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-81 | 3.26 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-81 | 3.49 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-81 | 3.47 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-81 | 3.51 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-81 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-81 | 3.38 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-81 | 3.32 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-81 | 3.20 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-81 | 3.11 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-81 | 3.05 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-81 | 3.08 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-81 | 3.11 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-81 | 3.14 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-81 | 3.23 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-81 | 3.23 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-81 | 3.22 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-81 | 3.37 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-81 | 3.44 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-81 | 3.44 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-81 | 3.44 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-81 | 3.43 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-81 | 3.41 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-81 | 3.43 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-81 | 3.44 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-81 | 3.44 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-81 | 3.54 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-81 | 3.75 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-81 | 3.98 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-81 | 4.22 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-81 | 4.48 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-81 | 4.65 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-81 | 4.74 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-81 | 4.86 | 4.82 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-81 | 4.95 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-81 | 5.05 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-81 | 5.17 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-81 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-81 | 5.24 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-81 | 5.24 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-81 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-81 | 5.20 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-81 | 5.14 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-81 | 5.09 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-81 | 5.07 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-81 | 5.11 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-81 | 5.14 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-81 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-81 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-81 | 5.26 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-81 | 5.29 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-81 | 5.35 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-81 | 5.38 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-81 | 5.38 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-81 | 5.38 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-81 | 5.44 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-81 | 5.44 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-81 | 5.44 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-81 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-81 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-81 | 5.66 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-81 | 5.73 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-81 | 5.76 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-81 | 5.84 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-81 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-81 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-81 | 5.94 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-81 | 5.96 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-81 | 5.94 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-81 | 5.82 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-81 | 5.90 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-81 | 5.84 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-81 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-81 | 5.81 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-81 | 5.81 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-81 | 5.81 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-81 | 5.81 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-81 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-81 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-81 | 5.66 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-81 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-81 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-81 | 5.59 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-81 | 5.58 | 5.58 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-81 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-81 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-81 | 5.59 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-81 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-81 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-81 | 5.75 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-81 | 5.78 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-81 | 5.84 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-81 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-81 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-81 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-81 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-81 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-81 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-81 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-81 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-81 | 5.56 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-81 | 5.53 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-81 | 5.53 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-81 | 5.53 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-81 | 5.53 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-81 | 5.53 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-81 | 5.56 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-81 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-81 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-81 | 5.55 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-81 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-81 | 5.46 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-81 | 5.41 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-81 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-81 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-81 | 5.26 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-81 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-81 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-81 | 5.11 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-81 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-81 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-81 | 4.89 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-81 | 4.80 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-81 | 4.69 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-81 | 4.60 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-81 | 4.53 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-81 | 4.51 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-81 | 4.45 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-81 | 4.42 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-81 | 4.39 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-81 | 4.33 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-81 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-81 | 4.19 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-81 | 4.11 | 4.10 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-81 | 4.09 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-81 | 3.99 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-81 | 3.90 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-81 | 3.80 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-81 | 3.66 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-81 | 3.54 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-81 | 3.38 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-81 | 3.25 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-81 | 3.09 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-81 | 3.00 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-81 | 2.91 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-81 | 2.87 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-81 | 2.85 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-81 | 2.79 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-81 | 2.73 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-81 | 2.71 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-81 | 2.70 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-81 | 2.61 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-81 | 2.58 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-81 | 2.52 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-81 | 2.41 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-81 | 2.30 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-81 | 2.18 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-81 | 2.09 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-81 | 2.09 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-81 | 2.18 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-81 | 2.30 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-81 | 2.45 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-81 | 2.61 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-81 | 2.70 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-81 | 2.70 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-81 | 2.48 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-81 | 2.33 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-81 | 2.33 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-81 | 2.27 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-81 | 2.12 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-81 | 2.06 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-81 | 2.07 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-81 | 2.12 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-81 | 2.09 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-81 | 2.03 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-81 | 2.03 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-81 | 2.06 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-81 | 2.06 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-81 | 2.06 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-81 | 2.03 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-81 | 1.97 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-81 | 1.97 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-81 | 1.91 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-81 | 1.88 | 1.74 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-81 | 1.81 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-81 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-81 | 1.60 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-81 | 1.57 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-81 | 1.66 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-81 | 1.77 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-81 | 1.94 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-81 | 2.58 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-81 | 2.45 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-81 | 2.21 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-81 | 2.09 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-81 | 1.92 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-81 | 1.88 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-81 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-81 | 1.60 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-81 | 1.54 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-81 | 1.45 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-81 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-81 | 1.42 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-81 | 1.43 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-81 | 1.48 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-81 | 1.51 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-81 | 1.54 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-81 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-81 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-81 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-81 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-81 | 1.51 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-82 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-82 | 1.45 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-82 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-82 | 1.36 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-82 | 1.30 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-82 | 1.30 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-82 | 1.34 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-82 | 1.39 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-82 | 1.45 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-82 | 1.51 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-82 | 1.57 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-82 | 1.60 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-82 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-82 | 1.45 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-82 | 1.36 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-82 | 1.27 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-82 | 1.22 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-82 | 1.17 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-82 | 1.14 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-82 | 1.14 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-82 | 1.14 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-82 | 1.17 | 1.11 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-82 | 1.19 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-82 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-82 | 1.26 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-82 | 1.31 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-82 | 1.34 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-82 | 1.34 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-82 | 1.33 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-82 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-82 | 1.25 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-82 | 0.47 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-82 | 0.40 | 0.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-82 | 0.39 | 0.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-82 | 0.38 | 0.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-82 | 0.37 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-82 | 0.39 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-82 | 0.44 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-82 | 0.50 | 0.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-82 | 0.59 | 0.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-82 | 0.64 | 0.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-82 | 0.64 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-82 | 0.63 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-82 | 0.63 | 0.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-82 | 0.56 | 0.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-82 | 0.50 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-82 | 0.41 | 0.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-82 | 0.35 | 0.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-82 | 0.31 | 0.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-82 | 0.31 | 0.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-82 | 0.31 | 0.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-82 | 0.31 | 0.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-82 | 0.33 | 0.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-82 | 0.38 | 0.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-82 | 0.39 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-82 | 0.46 | 0.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-82 | 0.48 | 0.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-82 | 0.51 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-82 | 0.52 | 0.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-82 | 0.52 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-82 | 0.47 | 0.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-82 | 0.32 | 0.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-82 | 0.27 | 0.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-82 | 0.26 | 0.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-82 | 0.27 | 0.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-82 | 0.32 | 0.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-82 | 0.38 | 0.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-82 | 0.42 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-82 | 0.47 | 0.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-82 | 0.58 | 0.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-82 | 0.52 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-82 | 0.51 | 0.45 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-82 | 0.47 | 0.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-82 | 0.42 | 0.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-82 | 0.39 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-82 | 0.36 | 0.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-82 | 0.38 | 0.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-82 | 0.37 | 0.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-82 | 0.31 | 0.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-82 | 0.32 | 0.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-82 | 0.31 | 0.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-82 | 0.34 | 0.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-82 | 0.42 | 0.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-82 | 0.48 | 0.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-82 | 0.56 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-82 | 0.59 | 0.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-82 | 0.65 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-82 | 0.64 | 0.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-82 | 0.66 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-82 | 0.66 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-83 | 2.05 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-83 | 1.91 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-83 | 1.87 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-83 | 1.72 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-83 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-83 | 1.58 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-83 | 1.62 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-83 | 1.59 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-83 | 1.63 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-83 | 1.75 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-83 | 1.89 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-83 | 1.98 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-83 | 2.07 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-83 | 2.22 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-83 | 2.27 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-83 | 2.13 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-83 | 2.02 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-83 | 1.89 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-83 | 1.84 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-83 | 1.73 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-83 | 1.64 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-83 | 1.75 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-83 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-83 | 2.06 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-83 | 2.34 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-83 | 2.50 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-83 | 2.44 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-83 | 2.53 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-83 | 2.65 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-83 | 2.70 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-83 | 2.75 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-83 | 2.82 | 2.73 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-83 | 2.86 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-83 | 2.75 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-83 | 2.55 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-83 | 2.34 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-83 | 2.25 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-83 | 2.31 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-83 | 2.44 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-83 | 2.63 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-83 | 2.83 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-83 | 2.92 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-83 | 3.03 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-83 | 3.10 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-83 | 3.14 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-83 | 3.12 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-83 | 3.11 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-83 | 3.10 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-83 | 3.04 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-83 | 3.01 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-83 | 3.02 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-83 | 2.99 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-83 | 3.03 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-83 | 3.10 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-83 | 3.10 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-83 | 3.14 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-83 | 3.20 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-83 | 3.32 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-83 | 3.40 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-83 | 3.48 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-83 | 3.53 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-83 | 3.57 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-83 | 3.55 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-83 | 3.51 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-83 | 3.45 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-83 | 3.49 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-83 | 3.50 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-83 | 3.52 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-83 | 3.54 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-83 | 3.51 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-83 | 3.57 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-83 | 3.65 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-83 | 3.70 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-83 | 3.83 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-83 | 3.94 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-83 | 3.99 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-83 | 4.02 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-83 | 4.01 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-83 | 3.95 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-83 | 3.83 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-83 | 3.81 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-83 | 3.77 | 3.76 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-83 | 3.80 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-83 | 3.95 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-83 | 4.11 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-83 | 4.36 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-83 | 4.41 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-83 | 4.46 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-83 | 4.52 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-83 | 4.55 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-83 | 4.58 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-83 | 4.57 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-83 | 4.61 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-83 | 4.67 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-83 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-83 | 4.75 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-83 | 4.78 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-83 | 4.85 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-83 | 4.93 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-83 | 5.02 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-83 | 5.11 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-83 | 5.17 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-83 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-83 | 5.21 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-83 | 5.21 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-83 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-83 | 5.16 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-83 | 5.14 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-83 | 5.13 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-83 | 5.12 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-83 | 5.14 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-83 | 5.16 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-83 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-83 | 5.19 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-83 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-83 | 5.17 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-83 | 5.16 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-83 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-83 | 5.26 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-83 | 5.37 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-83 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-83 | 5.35 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-83 | 5.37 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-83 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-83 | 5.48 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-83 | 5.57 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-83 | 5.72 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-83 | 5.75 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-83 | 5.75 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-83 | 5.47 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-83 | 5.46 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-83 | 5.46 | 5.46 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-83 | 5.45 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-83 | 5.44 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-83 | 5.41 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-83 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-83 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-83 | 5.26 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-83 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-83 | 5.09 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-83 | 5.04 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-83 | 4.99 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-83 | 4.93 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-83 | 4.90 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-83 | 5.31 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-83 | 5.35 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-83 | 5.39 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-83 | 5.44 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-83 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-83 | 5.50 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-83 | 5.53 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-83 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-83 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-83 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-83 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-83 | 5.57 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-83 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-83 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-83 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-83 | 5.71 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-83 | 5.76 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-83 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-83 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-83 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-83 | 5.72 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-83 | 5.72 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-83 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-83 | 5.82 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-83 | 5.91 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-83 | 6.01 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-83 | 6.10 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-83 | 6.17 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-83 | 6.24 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-83 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-83 | 6.33 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-83 | 6.35 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-83 | 6.37 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-83 | 6.38 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-83 | 6.38 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-83 | 6.36 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-83 | 6.35 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-83 | 6.34 | 6.32 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-83 | 6.29 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-83 | 6.25 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-83 | 6.19 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-83 | 6.14 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-83 | 6.09 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-83 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-83 | 6.03 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-83 | 6.05 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-83 | 6.01 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-83 | 5.96 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-83 | 5.86 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-83 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-83 | 5.77 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-83 | 5.69 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-83 | 5.58 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-83 | 5.51 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-83 | 5.41 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-83 | 5.30 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-83 | 5.19 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-83 | 5.09 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-83 | 5.02 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-83 | 4.99 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-83 | 5.00 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-83 | 4.97 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-83 | 4.95 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-83 | 4.92 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-83 | 4.90 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-83 | 4.81 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-83 | 4.72 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-83 | 4.59 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-83 | 4.42 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-83 | 4.31 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-83 | 4.23 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-83 | 4.13 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-83 | 4.05 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-83 | 3.98 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-83 | 3.92 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-83 | 3.84 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-83 | 3.75 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-83 | 3.68 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-83 | 3.63 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-83 | 3.54 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-83 | 3.44 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-83 | 3.34 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-83 | 3.14 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-83 | 3.02 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-83 | 2.95 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-83 | 2.88 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-83 | 2.83 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-83 | 2.83 | 2.78 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-83 | 2.82 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-83 | 2.83 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-83 | 2.80 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-83 | 2.80 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-83 | 2.82 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-83 | 2.81 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-83 | 2.65 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-83 | 2.58 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-83 | 2.49 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-83 | 2.40 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-83 | 2.34 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-83 | 2.31 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-83 | 2.28 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-83 | 2.26 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-83 | 2.27 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-83 | 2.24 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-83 | 2.25 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-83 | 2.23 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-83 | 2.22 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-83 | 2.15 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-83 | 2.12 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-83 | 2.00 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-83 | 1.93 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-83 | 1.87 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-83 | 1.81 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-83 | 1.76 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-83 | 1.72 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-83 | 1.70 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-83 | 1.75 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-83 | 1.80 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-83 | 1.85 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-83 | 1.89 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-83 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-83 | 1.97 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-83 | 1.92 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-83 | 1.93 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-83 | 1.88 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-83 | 1.81 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-83 | 1.75 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-83 | 1.73 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-83 | 1.69 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-83 | 1.68 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-83 | 1.66 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-84 | 1.64 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-84 | 1.69 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-84 | 1.70 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-84 | 1.75 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-84 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-84 | 1.72 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-84 | 1.76 | 1.65 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-84 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-84 | 1.62 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-84 | 1.58 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-84 | 1.57 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-84 | 1.55 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-84 | 1.53 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-84 | 1.52 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-84 | 1.53 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-84 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-84 | 1.63 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-84 | 1.70 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-84 | 1.77 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-84 | 1.83 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-84 | 1.85 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-84 | 1.90 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-84 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-84 | 1.81 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-84 | 1.66 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-84 | 1.56 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-84 | 1.50 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-84 | 1.47 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-84 | 1.45 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-84 | 1.45 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-84 | 1.46 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-84 | 1.47 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-84 | 1.51 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-84 | 1.50 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-84 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-84 | 1.58 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-84 | 1.56 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-84 | 1.48 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-84 | 1.45 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-84 | 1.43 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-84 | 1.42 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-84 | 1.41 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-84 | 1.37 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-84 | 1.36 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-84 | 1.35 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-84 | 1.35 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-84 | 1.38 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-84 | 1.42 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-84 | 1.52 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-84 | 1.62 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-84 | 1.66 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-84 | 1.62 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-84 | 1.59 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-84 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-84 | 1.40 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-84 | 1.29 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-84 | 1.25 | 1.23 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-84 | 1.22 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-84 | 1.21 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-84 | 1.20 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-84 | 1.23 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-84 | 1.27 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-84 | 1.35 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-84 | 1.47 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-84 | 1.46 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-84 | 1.51 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-84 | 1.50 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-84 | 1.48 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-84 | 1.43 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-84 | 1.42 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-84 | 1.40 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-84 | 1.34 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-84 | 1.31 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-84 | 1.32 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-84 | 1.47 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-84 | 1.51 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-84 | 1.66 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-84 | 1.80 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-84 | 1.91 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-84 | 1.97 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-84 | 1.85 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-84 | 1.76 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-84 | 1.69 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-84 | 1.63 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-84 | 1.53 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-84 | 1.50 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-84 | 1.50 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-84 | 1.51 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-84 | 1.47 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-84 | 1.50 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-84 | 1.60 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-84 | 1.75 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-84 | 1.84 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-84 | 2.05 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-84 | 2.15 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-84 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-84 | 2.05 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-84 | 1.95 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-84 | 1.87 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-84 | 1.81 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-84 | 1.68 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-84 | 1.52 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-84 | 1.43 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-84 | 1.59 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-84 | 1.75 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-84 | 2.15 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-84 | 2.57 | 2.11 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-84 | 2.65 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-84 | 2.67 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-84 | 2.75 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-84 | 2.68 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-84 | 2.58 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-84 | 2.43 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-84 | 2.15 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-84 | 1.93 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-84 | 1.82 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-84 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-84 | 2.02 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-84 | 2.04 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-84 | 2.25 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-84 | 2.45 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-84 | 2.49 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-84 | 2.65 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-84 | 2.67 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-84 | 2.70 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-84 | 2.65 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-84 | 2.65 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-84 | 2.68 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-84 | 2.63 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-84 | 2.60 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-84 | 2.57 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-84 | 2.57 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-84 | 2.90 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-84 | 3.25 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-84 | 3.18 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-84 | 3.30 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-84 | 3.40 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-84 | 3.37 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-84 | 3.28 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-84 | 3.24 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-84 | 3.30 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-84 | 3.35 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-84 | 3.31 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-84 | 3.43 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-84 | 3.56 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-84 | 3.87 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-84 | 4.13 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-84 | 4.23 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-84 | 4.30 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-84 | 4.34 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-84 | 4.36 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-84 | 4.37 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-84 | 4.35 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-84 | 4.33 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-84 | 4.31 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-84 | 4.45 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-84 | 4.53 | 4.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-84 | 4.71 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-84 | 4.75 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-84 | 4.72 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-84 | 4.65 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-84 | 4.61 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-84 | 4.59 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-84 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-84 | 4.55 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-84 | 4.64 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-84 | 4.68 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-84 | 4.71 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-84 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-84 | 4.94 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-84 | 5.02 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-84 | 5.06 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-84 | 5.11 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-84 | 5.16 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-84 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-84 | 5.22 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-84 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-84 | 5.30 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-84 | 5.30 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-84 | 5.29 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-84 | 5.29 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-84 | 5.28 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-84 | 5.28 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-84 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-84 | 5.25 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-84 | 5.22 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-84 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-84 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-84 | 5.14 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-84 | 5.15 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-84 | 5.18 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-84 | 5.21 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-84 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-84 | 5.35 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-84 | 5.41 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-84 | 5.53 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-84 | 5.86 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-84 | 5.95 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-84 | 6.04 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-84 | 6.10 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-84 | 6.19 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-84 | 6.27 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-84 | 6.35 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-84 | 6.36 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-84 | 6.40 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-84 | 6.51 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-84 | 6.47 | 6.45 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-84 | 6.43 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-84 | 6.42 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-84 | 6.45 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-84 | 6.49 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-84 | 6.52 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-84 | 6.59 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-84 | 6.71 | 6.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-84 | 6.82 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-84 | 6.86 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-84 | 6.89 | 6.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-84 | 6.92 | 6.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-84 | 6.94 | 6.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-84 | 6.92 | 6.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-84 | 6.91 | 6.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-84 | 6.88 | 6.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-84 | 6.86 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-84 | 6.80 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-84 | 6.70 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-84 | 6.67 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-84 | 6.59 | 6.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-84 | 6.52 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-84 | 6.45 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-84 | 6.38 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-84 | 6.32 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-84 | 6.24 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-84 | 6.15 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-84 | 6.06 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-84 | 5.92 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-84 | 5.81 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-84 | 5.74 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-84 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-84 | 5.67 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-84 | 5.66 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-84 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-84 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-84 | 5.70 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-84 | 5.70 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-84 | 5.70 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-84 | 5.76 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-84 | 5.82 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-84 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-84 | 5.90 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-84 | 5.93 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-84 | 5.96 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-84 | 6.00 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-84 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-84 | 6.09 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-84 | 6.12 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-84 | 6.16 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-84 | 6.18 | 6.17 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-84 | 6.20 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-84 | 6.25 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-84 | 6.38 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-84 | 6.42 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-84 | 6.50 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-84 | 6.56 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-84 | 6.69 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-84 | 6.79 | 6.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-84 | 6.89 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-84 | 6.96 | 6.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-84 | 7.05 | 6.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-84 | 7.11 | 7.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-84 | 7.11 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-84 | 7.09 | 7.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-84 | 7.06 | 7.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-84 | 6.97 | 6.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-84 | 6.86 | 6.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-84 | 6.77 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-84 | 6.63 | 6.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-84 | 6.49 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-84 | 6.41 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-84 | 6.33 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-84 | 6.24 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-84 | 6.10 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-84 | 6.00 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-84 | 5.88 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-84 | 5.80 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-84 | 5.68 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-84 | 5.53 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-84 | 5.40 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-84 | 5.30 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-84 | 5.25 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-84 | 5.16 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-84 | 5.05 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-84 | 4.88 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-84 | 4.79 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-84 | 4.67 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-84 | 4.60 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-84 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-84 | 4.56 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-84 | 4.59 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-84 | 4.61 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-84 | 4.61 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-84 | 4.58 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-84 | 4.55 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-84 | 4.46 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-84 | 4.41 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-84 | 4.34 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-84 | 4.22 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-84 | 4.10 | 4.01 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-84 | 3.94 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-84 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-84 | 3.73 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-84 | 3.62 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-84 | 3.56 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-84 | 3.48 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-84 | 3.43 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-84 | 3.33 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-84 | 3.19 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-84 | 3.10 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-84 | 3.00 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-84 | 2.90 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-84 | 2.87 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-84 | 2.73 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-84 | 2.66 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-84 | 2.59 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-84 | 2.54 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-84 | 2.55 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-84 | 2.61 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-84 | 2.70 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-84 | 2.71 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-84 | 2.75 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-84 | 2.76 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-84 | 2.68 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-84 | 2.57 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-84 | 2.35 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-84 | 2.27 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-84 | 2.20 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-84 | 2.13 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-84 | 2.10 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-84 | 2.04 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-84 | 2.05 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-84 | 2.06 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-84 | 2.08 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-84 | 2.10 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-84 | 2.11 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-84 | 2.13 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-84 | 2.17 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-84 | 2.20 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-84 | 2.19 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-84 | 2.16 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-84 | 2.20 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-84 | 2.12 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-84 | 2.02 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-84 | 1.99 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-84 | 2.04 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-84 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-84 | 1.97 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-84 | 1.95 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-84 | 2.01 | 1.83 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-84 | 2.02 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-84 | 2.10 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-84 | 2.11 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-84 | 2.12 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-84 | 1.95 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-84 | 1.92 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-84 | 1.80 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-84 | 1.76 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-84 | 1.73 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-85 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-85 | 1.54 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-85 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-85 | 1.66 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-85 | 1.68 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-85 | 1.71 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-85 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-85 | 1.80 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-85 | 1.85 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-85 | 1.83 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-85 | 1.76 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-85 | 1.75 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-85 | 1.67 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-85 | 1.61 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-85 | 1.58 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-85 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-85 | 1.54 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-85 | 1.48 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-85 | 1.46 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-85 | 1.50 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-85 | 1.53 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-85 | 1.57 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-85 | 1.56 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-85 | 1.55 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-85 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-85 | 1.47 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-85 | 1.46 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-85 | 1.47 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-85 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-85 | 1.43 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-85 | 1.37 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-85 | 1.33 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-85 | 1.35 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-85 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-85 | 1.35 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-85 | 1.37 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-85 | 1.71 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-85 | 1.70 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-85 | 1.74 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-85 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-85 | 1.67 | 1.61 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-85 | 1.66 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-85 | 1.56 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-85 | 1.44 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-85 | 1.31 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-85 | 1.26 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-85 | 1.24 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-85 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-85 | 1.32 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-85 | 1.38 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-85 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-85 | 1.54 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-85 | 1.45 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-85 | 1.44 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-85 | 1.44 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-85 | 1.47 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-85 | 1.48 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-85 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-85 | 1.51 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-85 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-85 | 1.41 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-85 | 1.41 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-85 | 1.42 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-85 | 1.48 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-85 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-85 | 1.68 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-85 | 1.93 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-85 | 1.92 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-85 | 1.92 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-85 | 1.83 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-85 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-85 | 1.66 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-85 | 1.64 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-85 | 1.56 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-85 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-85 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-85 | 1.63 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-85 | 1.74 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-85 | 1.85 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-85 | 1.94 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-85 | 1.90 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-85 | 1.92 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-85 | 2.01 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-85 | 2.20 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-85 | 2.15 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-85 | 2.01 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-85 | 2.04 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-85 | 2.00 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-85 | 1.81 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-85 | 1.69 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-85 | 1.58 | 1.54 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-85 | 1.60 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-85 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-85 | 1.72 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-85 | 1.75 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-85 | 1.98 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-85 | 2.18 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-85 | 2.23 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-85 | 2.28 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-85 | 2.43 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-85 | 2.36 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-85 | 2.13 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-85 | 2.03 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-85 | 2.07 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-85 | 2.13 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-85 | 2.23 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-85 | 2.25 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-85 | 2.26 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-85 | 2.38 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-85 | 2.45 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-85 | 2.43 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-85 | 2.48 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-85 | 2.63 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-85 | 2.64 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-85 | 2.66 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-85 | 2.63 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-85 | 2.60 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-85 | 2.53 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-85 | 2.40 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-85 | 2.33 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-85 | 2.43 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-85 | 2.53 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-85 | 2.85 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-85 | 3.05 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-85 | 3.25 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-85 | 3.25 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-85 | 3.15 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-85 | 3.08 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-85 | 2.90 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-85 | 2.78 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-85 | 2.68 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-85 | 2.63 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-85 | 2.65 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-85 | 2.66 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-85 | 2.69 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-85 | 2.71 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-85 | 2.68 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-85 | 2.58 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-85 | 2.54 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-85 | 2.59 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-85 | 2.63 | 2.60 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-85 | 2.69 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-85 | 2.67 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-85 | 2.69 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-85 | 2.78 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-85 | 2.79 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-85 | 2.82 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-85 | 2.77 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-85 | 2.79 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-85 | 2.75 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-85 | 2.75 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-85 | 2.85 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-85 | 3.00 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-85 | 3.20 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-85 | 3.40 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-85 | 4.00 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-85 | 4.34 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-85 | 4.40 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-85 | 4.46 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-85 | 4.48 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-85 | 4.49 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-85 | 4.46 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-85 | 4.39 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-85 | 4.34 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-85 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-85 | 4.29 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-85 | 4.37 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-85 | 4.41 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-85 | 4.42 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-85 | 4.45 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-85 | 4.47 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-85 | 4.49 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-85 | 4.51 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-85 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-85 | 4.61 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-85 | 4.71 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-85 | 4.73 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-85 | 4.74 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-85 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-85 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-85 | 4.79 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-85 | 4.82 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-85 | 4.85 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-85 | 4.93 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-85 | 4.99 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-85 | 5.07 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-85 | 5.12 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-85 | 5.13 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-85 | 5.15 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-85 | 5.15 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-85 | 5.17 | 5.16 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-85 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-85 | 5.24 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-85 | 5.29 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-85 | 5.34 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-85 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-85 | 5.40 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-85 | 5.44 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-85 | 5.48 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-85 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-85 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-85 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-85 | 5.62 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-85 | 5.63 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-85 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-85 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-85 | 5.72 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-85 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-85 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-85 | 5.81 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-85 | 5.88 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-85 | 5.95 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-85 | 6.02 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-85 | 6.12 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-85 | 6.16 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-85 | 6.18 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-85 | 6.18 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-85 | 6.18 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-85 | 6.18 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-85 | 6.15 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-85 | 6.11 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-85 | 6.02 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-85 | 5.91 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-85 | 5.80 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-85 | 5.72 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-85 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-85 | 5.59 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-85 | 5.55 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-85 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-85 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-85 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-85 | 5.41 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-85 | 5.39 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-85 | 5.42 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-85 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-85 | 5.33 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-85 | 5.30 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-85 | 5.32 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-85 | 5.34 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-85 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-85 | 5.42 | 5.38 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-85 | 5.50 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-85 | 5.54 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-85 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-85 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-85 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-85 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-85 | 5.69 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-85 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-85 | 5.66 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-85 | 5.66 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-85 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-85 | 5.63 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-85 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-85 | 5.66 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-85 | 5.69 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-85 | 5.76 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-85 | 5.84 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-85 | 5.84 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-85 | 5.83 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-85 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-85 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-85 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-85 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-85 | 5.67 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-85 | 5.62 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-85 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-85 | 5.55 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-85 | 5.53 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-85 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-85 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-85 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-85 | 5.46 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-85 | 5.45 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-85 | 5.43 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-85 | 5.44 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-85 | 5.43 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-85 | 5.43 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-85 | 5.42 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-85 | 5.40 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-85 | 5.36 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-85 | 5.33 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-85 | 5.30 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-85 | 5.24 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-85 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-85 | 5.11 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-85 | 5.05 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-85 | 4.97 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-85 | 4.99 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-85 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-85 | 5.08 | 5.04 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-85 | 5.02 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-85 | 4.98 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-85 | 4.95 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-85 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-85 | 4.87 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-85 | 4.80 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-85 | 4.71 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-85 | 4.64 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-85 | 4.58 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-85 | 4.56 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-85 | 4.47 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-85 | 4.35 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-85 | 4.20 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-85 | 4.08 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-85 | 3.94 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-85 | 3.80 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-85 | 3.70 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-85 | 3.60 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-85 | 3.51 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-85 | 3.45 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-85 | 3.39 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-85 | 3.28 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-85 | 3.19 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-85 | 3.14 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-85 | 3.13 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-85 | 3.20 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-85 | 3.22 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-85 | 3.19 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-85 | 3.11 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-85 | 3.12 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-85 | 3.08 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-85 | 2.97 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-85 | 2.80 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-85 | 2.66 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-85 | 2.56 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-85 | 2.51 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-85 | 2.48 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-85 | 2.46 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-85 | 2.45 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-85 | 2.46 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-85 | 2.49 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-85 | 2.42 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-85 | 2.34 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-85 | 2.32 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-85 | 2.35 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-85 | 2.27 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-85 | 2.18 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-85 | 2.11 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-85 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-85 | 2.08 | 2.05 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-85 | 2.10 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-85 | 2.16 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-85 | 2.25 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-85 | 2.24 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-85 | 2.26 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-85 | 2.32 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-85 | 2.27 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-85 | 2.22 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-85 | 2.16 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-85 | 2.12 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-85 | 2.13 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-85 | 1.97 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-85 | 1.85 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-85 | 1.78 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-85 | 1.70 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-85 | 1.60 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-85 | 1.62 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-85 | 1.76 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-85 | 1.78 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-85 | 1.88 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-85 | 1.90 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-85 | 1.88 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-85 | 1.72 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-85 | 1.78 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-86 | 1.69 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-86 | 1.65 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-86 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-86 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-86 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-86 | 1.54 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-86 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-86 | 1.52 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-86 | 1.60 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-86 | 1.63 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-86 | 1.74 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-86 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-86 | 1.82 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-86 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-86 | 1.63 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-86 | 1.57 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-86 | 1.48 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-86 | 1.37 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-86 | 1.31 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-86 | 1.27 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-86 | 1.24 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-86 | 1.23 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-86 | 1.27 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-86 | 1.38 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-86 | 1.42 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-86 | 1.47 | 1.28 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-86 | 1.49 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-86 | 1.48 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-86 | 1.47 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-86 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-86 | 1.58 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-86 | 1.53 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-86 | 1.58 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-86 | 1.57 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-86 | 1.48 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-86 | 1.33 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-86 | 1.32 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-86 | 1.33 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-86 | 1.30 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-86 | 1.40 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-86 | 1.46 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-86 | 1.48 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-86 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-86 | 1.43 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-86 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-86 | 1.34 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-86 | 1.29 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-86 | 1.18 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-86 | 1.13 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-86 | 1.08 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-86 | 1.05 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-86 | 1.00 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-86 | 0.96 | 0.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-86 | 1.05 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-86 | 1.32 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-86 | 1.40 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-86 | 1.43 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-86 | 1.44 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-86 | 1.49 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-86 | 1.50 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-86 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-86 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-86 | 1.35 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-86 | 1.22 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-86 | 1.16 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-86 | 1.15 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-86 | 1.24 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-86 | 1.28 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-86 | 1.39 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-86 | 1.51 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-86 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-86 | 1.62 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-86 | 1.63 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-86 | 1.64 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-86 | 1.59 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-86 | 1.50 | 1.44 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-86 | 1.38 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-86 | 1.24 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-86 | 1.15 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-86 | 1.13 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-86 | 1.15 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-86 | 1.17 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-86 | 1.22 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-86 | 1.32 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-86 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-86 | 1.55 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-86 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-86 | 1.72 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-86 | 1.79 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-86 | 1.82 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-86 | 1.76 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-86 | 1.62 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-86 | 1.50 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-86 | 1.35 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-86 | 1.25 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-86 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-86 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-86 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-86 | 1.72 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-86 | 1.90 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-86 | 1.97 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-86 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-86 | 1.96 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-86 | 1.97 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-86 | 2.03 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-86 | 2.05 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-86 | 2.02 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-86 | 1.95 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-86 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-86 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-86 | 2.00 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-86 | 2.05 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-86 | 2.15 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-86 | 2.20 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-86 | 2.40 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-86 | 2.80 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-86 | 2.72 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-86 | 2.65 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-86 | 2.53 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-86 | 2.47 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-86 | 2.42 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-86 | 2.33 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-86 | 2.24 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-86 | 2.25 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-86 | 2.28 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-86 | 2.30 | 2.25 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-86 | 2.36 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-86 | 2.50 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-86 | 2.55 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-86 | 2.53 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-86 | 2.51 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-86 | 2.50 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-86 | 2.48 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-86 | 2.56 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-86 | 2.53 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-86 | 2.54 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-86 | 2.48 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-86 | 2.39 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-86 | 2.44 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-86 | 2.41 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-86 | 2.42 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-86 | 2.50 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-86 | 2.72 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-86 | 2.75 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-86 | 2.79 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-86 | 2.76 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-86 | 2.82 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-86 | 2.75 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-86 | 2.63 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-86 | 2.46 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-86 | 2.30 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-86 | 2.20 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-86 | 2.10 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-86 | 1.97 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-86 | 2.06 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-86 | 2.14 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-86 | 2.23 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-86 | 2.26 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-86 | 2.33 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-86 | 2.38 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-86 | 2.47 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-86 | 2.57 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-86 | 2.60 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-86 | 2.63 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-86 | 2.64 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-86 | 2.65 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-86 | 2.72 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-86 | 2.80 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-86 | 2.82 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-86 | 2.86 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-86 | 3.00 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-86 | 3.27 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-86 | 3.40 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-86 | 3.44 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-86 | 3.59 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-86 | 3.73 | 3.60 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-86 | 3.87 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-86 | 3.87 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-86 | 3.93 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-86 | 4.13 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-86 | 4.70 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-86 | 4.88 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-86 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-86 | 4.95 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-86 | 4.98 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-86 | 5.01 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-86 | 5.03 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-86 | 5.05 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-86 | 5.06 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-86 | 5.08 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-86 | 5.10 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-86 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-86 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-86 | 5.10 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-86 | 5.10 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-86 | 5.09 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-86 | 5.08 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-86 | 5.08 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-86 | 5.09 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-86 | 5.14 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-86 | 5.20 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-86 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-86 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-86 | 5.43 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-86 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-86 | 5.58 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-86 | 5.65 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-86 | 5.65 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-86 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-86 | 5.68 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-86 | 5.69 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-86 | 5.75 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-86 | 5.80 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-86 | 5.77 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-86 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-86 | 5.88 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-86 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-86 | 5.95 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-86 | 6.01 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-86 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-86 | 6.09 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-86 | 6.09 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-86 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-86 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-86 | 6.09 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-86 | 6.05 | 6.01 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-86 | 5.98 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-86 | 5.90 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-86 | 5.82 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-86 | 5.67 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-86 | 5.54 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-86 | 5.54 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-86 | 5.52 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-86 | 5.52 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-86 | 5.51 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-86 | 5.50 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-86 | 5.55 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-86 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-86 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-86 | 5.63 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-86 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-86 | 5.70 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-86 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-86 | 5.79 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-86 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-86 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-86 | 5.85 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-86 | 5.86 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-86 | 5.86 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-86 | 5.87 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-86 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-86 | 5.81 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-86 | 5.79 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-86 | 5.78 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-86 | 5.77 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-86 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-86 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-86 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-86 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-86 | 5.69 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-86 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-86 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-86 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-86 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-86 | 6.00 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-86 | 6.04 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-86 | 6.08 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-86 | 6.10 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-86 | 6.16 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-86 | 6.20 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-86 | 6.20 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-86 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-86 | 6.13 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-86 | 6.06 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-86 | 5.98 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-86 | 5.94 | 5.79 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-86 | 5.76 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-86 | 5.68 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-86 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-86 | 5.55 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-86 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-86 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-86 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-86 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-86 | 5.63 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-86 | 5.65 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-86 | 5.65 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-86 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-86 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-86 | 5.55 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-86 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-86 | 5.48 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-86 | 5.41 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-86 | 5.35 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-86 | 5.25 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-86 | 5.19 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-86 | 5.08 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-86 | 4.99 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-86 | 4.88 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-86 | 4.81 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-86 | 4.77 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-86 | 4.68 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-86 | 4.54 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-86 | 4.42 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-86 | 4.36 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-86 | 4.31 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-86 | 4.24 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-86 | 4.14 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-86 | 4.02 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-86 | 3.94 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-86 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-86 | 3.80 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-86 | 3.90 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-86 | 3.97 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-86 | 3.90 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-86 | 3.78 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-86 | 3.65 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-86 | 3.52 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-86 | 3.40 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-86 | 3.34 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-86 | 3.32 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-86 | 3.30 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-86 | 3.18 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-86 | 3.08 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-86 | 3.00 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-86 | 2.93 | 2.89 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-86 | 2.86 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-86 | 2.79 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-86 | 2.68 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-86 | 2.59 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-86 | 2.52 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-86 | 2.50 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-86 | 2.53 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-86 | 2.56 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-86 | 2.58 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-86 | 2.54 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-86 | 2.58 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-86 | 2.54 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-86 | 2.50 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-86 | 2.47 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-86 | 2.47 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-86 | 2.29 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-86 | 2.23 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-86 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-86 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-86 | 2.06 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-86 | 2.04 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-86 | 1.98 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-86 | 2.00 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-86 | 2.02 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-86 | 2.00 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-86 | 1.97 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-86 | 1.99 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-86 | 1.88 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-86 | 1.76 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-86 | 1.78 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-86 | 1.78 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-86 | 1.70 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-86 | 1.66 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-86 | 1.67 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-86 | 1.68 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-86 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-86 | 1.75 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-86 | 1.89 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-86 | 1.95 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-87 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-87 | 1.85 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-87 | 1.77 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-87 | 1.78 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-87 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-87 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-87 | 1.63 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-87 | 1.60 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-87 | 1.52 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-87 | 1.50 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-87 | 1.47 | 1.45 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-87 | 1.48 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-87 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-87 | 1.53 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-87 | 1.53 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-87 | 1.55 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-87 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-87 | 1.65 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-87 | 1.62 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-87 | 1.56 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-87 | 1.50 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-87 | 1.48 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-87 | 1.43 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-87 | 1.36 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-87 | 1.34 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-87 | 1.32 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-87 | 1.41 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-87 | 1.48 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-87 | 1.58 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-87 | 1.70 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-87 | 1.78 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-87 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-87 | 1.73 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-87 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-87 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-87 | 1.72 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-87 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-87 | 1.54 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-87 | 1.32 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-87 | 1.34 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-87 | 1.37 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-87 | 1.41 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-87 | 1.43 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-87 | 1.55 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-87 | 1.61 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-87 | 1.66 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-87 | 1.64 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-87 | 1.66 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-87 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-87 | 1.65 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-87 | 1.58 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-87 | 1.47 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-87 | 1.46 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-87 | 1.39 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-87 | 1.32 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-87 | 1.36 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-87 | 1.40 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-87 | 1.49 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-87 | 1.56 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-87 | 1.65 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-87 | 1.67 | 1.53 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-87 | 1.62 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-87 | 1.57 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-87 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-87 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-87 | 1.44 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-87 | 1.38 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-87 | 1.35 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-87 | 1.28 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-87 | 1.25 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-87 | 1.33 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-87 | 1.42 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-87 | 1.46 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-87 | 1.49 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-87 | 1.60 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-87 | 1.70 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-87 | 1.82 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-87 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-87 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-87 | 1.73 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-87 | 1.70 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-87 | 1.63 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-87 | 1.44 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-87 | 1.40 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-87 | 1.40 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-87 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-87 | 1.60 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-87 | 1.75 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-87 | 1.79 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-87 | 1.85 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-87 | 1.92 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-87 | 1.94 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-87 | 1.95 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-87 | 1.99 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-87 | 1.89 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-87 | 1.77 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-87 | 1.60 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-87 | 1.58 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-87 | 1.75 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-87 | 1.94 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-87 | 2.15 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-87 | 2.25 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-87 | 2.30 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-87 | 2.50 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-87 | 2.61 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-87 | 2.56 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-87 | 2.57 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-87 | 2.54 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-87 | 2.34 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-87 | 2.32 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-87 | 2.32 | 2.06 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-87 | 2.35 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-87 | 2.35 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-87 | 2.38 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-87 | 2.48 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-87 | 2.68 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-87 | 2.57 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-87 | 2.50 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-87 | 2.48 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-87 | 2.54 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-87 | 2.53 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-87 | 2.43 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-87 | 2.48 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-87 | 2.36 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-87 | 2.34 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-87 | 2.34 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-87 | 2.30 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-87 | 2.33 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-87 | 2.34 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-87 | 2.46 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-87 | 2.48 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-87 | 2.47 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-87 | 2.66 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-87 | 2.67 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-87 | 2.69 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-87 | 2.76 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-87 | 2.78 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-87 | 2.63 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-87 | 2.56 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-87 | 2.51 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-87 | 2.48 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-87 | 2.45 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-87 | 2.43 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-87 | 2.54 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-87 | 2.62 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-87 | 2.66 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-87 | 2.72 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-87 | 2.79 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-87 | 2.85 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-87 | 2.85 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-87 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-87 | 2.85 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-87 | 2.90 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-87 | 3.03 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-87 | 3.18 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-87 | 3.50 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-87 | 3.30 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-87 | 3.25 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-87 | 3.15 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-87 | 3.12 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-87 | 3.48 | 3.40 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-87 | 3.55 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-87 | 3.55 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-87 | 3.65 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-87 | 3.85 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-87 | 3.62 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-87 | 3.53 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-87 | 3.40 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-87 | 3.37 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-87 | 3.49 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-87 | 4.14 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-87 | 4.37 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-87 | 4.42 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-87 | 4.44 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-87 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-87 | 4.49 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-87 | 4.50 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-87 | 4.53 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-87 | 4.57 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-87 | 4.63 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-87 | 4.76 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-87 | 4.90 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-87 | 5.01 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-87 | 5.14 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-87 | 5.25 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-87 | 5.34 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-87 | 5.39 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-87 | 5.46 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-87 | 5.60 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-87 | 5.74 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-87 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-87 | 5.86 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-87 | 5.94 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-87 | 5.98 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-87 | 6.04 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-87 | 6.04 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-87 | 6.03 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-87 | 6.00 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-87 | 5.87 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-87 | 5.72 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-87 | 5.59 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-87 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-87 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-87 | 5.48 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-87 | 5.51 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-87 | 5.62 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-87 | 5.70 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-87 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-87 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-87 | 5.85 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-87 | 5.94 | 5.87 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-87 | 6.15 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-87 | 6.22 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-87 | 6.28 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-87 | 6.38 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-87 | 6.46 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-87 | 6.53 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-87 | 6.57 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-87 | 6.62 | 6.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-87 | 6.64 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-87 | 6.65 | 6.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-87 | 6.65 | 6.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-87 | 6.66 | 6.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-87 | 6.67 | 6.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-87 | 6.71 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-87 | 6.78 | 6.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-87 | 6.87 | 6.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-87 | 6.97 | 6.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-87 | 7.07 | 7.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-87 | 7.18 | 7.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-87 | 7.30 | 7.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-87 | 7.43 | 7.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-87 | 7.51 | 7.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-87 | 7.53 | 7.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-87 | 7.50 | 7.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-87 | 7.44 | 7.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-87 | 7.35 | 7.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-87 | 7.28 | 7.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-87 | 7.25 | 7.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-87 | 7.15 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-87 | 7.05 | 6.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-87 | 6.92 | 6.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-87 | 6.80 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-87 | 6.69 | 6.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-87 | 6.60 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-87 | 6.50 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-87 | 6.41 | 6.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-87 | 6.39 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-87 | 6.38 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-87 | 6.38 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-87 | 6.40 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-87 | 6.42 | 6.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-87 | 6.46 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-87 | 6.57 | 6.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-87 | 6.62 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-87 | 6.62 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-87 | 6.62 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-87 | 6.61 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-87 | 6.61 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-87 | 6.60 | 6.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-87 | 6.59 | 6.59 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-87 | 6.58 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-87 | 6.57 | 6.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-87 | 6.56 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-87 | 6.57 | 6.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-87 | 6.58 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-87 | 6.61 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-87 | 6.67 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-87 | 6.63 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-87 | 6.57 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-87 | 6.54 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-87 | 6.50 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-87 | 6.45 | 6.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-87 | 6.39 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-87 | 6.37 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-87 | 6.28 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-87 | 6.20 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-87 | 6.15 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-87 | 6.12 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-87 | 6.09 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-87 | 6.06 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-87 | 6.02 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-87 | 5.97 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-87 | 5.91 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-87 | 5.82 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-87 | 5.70 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-87 | 5.58 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-87 | 5.44 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-87 | 5.28 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-87 | 5.15 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-87 | 5.02 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-87 | 4.90 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-87 | 4.81 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-87 | 4.74 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-87 | 4.68 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-87 | 4.62 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-87 | 4.57 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-87 | 4.52 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-87 | 4.45 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-87 | 4.40 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-87 | 4.34 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-87 | 4.28 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-87 | 4.22 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-87 | 4.11 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-87 | 3.99 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-87 | 3.91 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-87 | 3.85 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-87 | 3.80 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-87 | 3.75 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-87 | 3.71 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-87 | 3.65 | 3.63 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-87 | 3.60 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-87 | 3.55 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-87 | 3.50 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-87 | 3.46 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-87 | 3.42 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-87 | 3.35 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-87 | 3.25 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-87 | 3.10 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-87 | 2.99 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-87 | 2.90 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-87 | 2.84 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-87 | 2.81 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-87 | 2.85 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-87 | 2.86 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-87 | 2.85 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-87 | 2.90 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-87 | 2.85 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-87 | 2.75 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-87 | 2.70 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-87 | 2.55 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-87 | 2.45 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-87 | 2.46 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-87 | 2.39 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-87 | 2.37 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-87 | 2.36 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-87 | 2.44 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-87 | 2.46 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-87 | 2.47 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-87 | 2.43 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-87 | 2.42 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-87 | 2.36 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-87 | 2.28 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-87 | 2.26 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-87 | 2.20 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-87 | 2.21 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-87 | 2.08 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-87 | 2.02 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-87 | 1.92 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-87 | 1.97 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-87 | 2.00 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-87 | 2.15 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-87 | 2.07 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-87 | 2.19 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-87 | 2.20 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-87 | 2.26 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-87 | 2.33 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-87 | 2.15 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-87 | 2.20 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-87 | 2.17 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-87 | 2.05 | 1.90 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-87 | 1.95 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-87 | 1.98 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-87 | 1.96 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-87 | 1.99 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-88 | 1.79 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-88 | 1.84 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-88 | 1.80 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-88 | 1.87 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-88 | 1.95 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-88 | 1.98 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-88 | 1.92 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-88 | 1.91 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-88 | 1.90 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-88 | 1.80 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-88 | 1.77 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-88 | 1.71 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-88 | 1.67 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-88 | 1.58 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-88 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-88 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-88 | 1.54 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-88 | 1.58 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-88 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-88 | 1.70 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-88 | 1.71 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-88 | 1.80 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-88 | 1.85 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-88 | 1.80 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-88 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-88 | 1.69 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-88 | 1.60 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-88 | 1.39 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-88 | 1.31 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-88 | 1.33 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-88 | 1.32 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-88 | 1.35 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-88 | 1.40 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-88 | 1.50 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-88 | 1.49 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-88 | 1.63 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-88 | 1.66 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-88 | 1.72 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-88 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-88 | 1.66 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-88 | 1.60 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-88 | 1.58 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-88 | 1.56 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-88 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-88 | 1.50 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-88 | 1.49 | 1.36 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-88 | 1.52 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-88 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-88 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-88 | 1.83 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-88 | 1.93 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-88 | 1.83 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-88 | 1.80 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-88 | 1.78 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-88 | 1.73 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-88 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-88 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-88 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-88 | 1.40 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-88 | 1.39 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-88 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-88 | 1.60 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-88 | 1.69 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-88 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-88 | 1.75 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-88 | 1.85 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-88 | 1.82 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-88 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-88 | 1.70 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-88 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-88 | 1.53 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-88 | 1.47 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-88 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-88 | 1.47 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-88 | 1.58 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-88 | 1.65 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-88 | 1.70 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-88 | 1.92 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-88 | 1.96 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-88 | 1.95 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-88 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-88 | 1.90 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-88 | 1.79 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-88 | 1.71 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-88 | 1.63 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-88 | 1.48 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-88 | 1.30 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-88 | 1.30 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-88 | 1.45 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-88 | 1.50 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-88 | 1.60 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-88 | 1.65 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-88 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-88 | 1.85 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-88 | 1.90 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-88 | 1.93 | 1.81 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-88 | 1.95 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-88 | 2.05 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-88 | 1.90 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-88 | 1.80 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-88 | 1.70 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-88 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-88 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-88 | 1.55 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-88 | 1.85 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-88 | 2.18 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-88 | 2.42 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-88 | 2.37 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-88 | 2.25 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-88 | 2.22 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-88 | 2.21 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-88 | 2.20 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-88 | 2.18 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-88 | 2.13 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-88 | 2.10 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-88 | 1.90 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-88 | 1.76 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-88 | 1.73 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-88 | 1.89 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-88 | 1.90 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-88 | 2.10 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-88 | 2.10 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-88 | 2.20 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-88 | 2.30 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-88 | 2.32 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-88 | 2.33 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-88 | 2.29 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-88 | 2.21 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-88 | 2.23 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-88 | 2.25 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-88 | 2.35 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-88 | 2.47 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-88 | 2.55 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-88 | 2.84 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-88 | 2.60 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-88 | 2.65 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-88 | 2.72 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-88 | 2.92 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-88 | 3.20 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-88 | 3.36 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-88 | 3.40 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-88 | 3.42 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-88 | 3.58 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-88 | 3.51 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-88 | 3.40 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-88 | 3.35 | 3.22 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-88 | 3.32 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-88 | 3.39 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-88 | 3.53 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-88 | 3.80 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-88 | 4.15 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-88 | 4.28 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-88 | 4.37 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-88 | 4.45 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-88 | 4.50 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-88 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-88 | 4.52 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-88 | 4.43 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-88 | 4.34 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-88 | 4.23 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-88 | 4.22 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-88 | 4.19 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-88 | 4.12 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-88 | 4.09 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-88 | 4.17 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-88 | 4.30 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-88 | 4.37 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-88 | 4.40 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-88 | 4.55 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-88 | 4.50 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-88 | 4.47 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-88 | 4.46 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-88 | 4.48 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-88 | 4.55 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-88 | 4.56 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-88 | 4.65 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-88 | 4.74 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-88 | 4.76 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-88 | 4.73 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-88 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-88 | 4.76 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-88 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-88 | 4.71 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-88 | 4.68 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-88 | 4.67 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-88 | 4.69 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-88 | 4.80 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-88 | 4.94 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-88 | 5.08 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-88 | 5.32 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-88 | 5.51 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-88 | 5.62 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-88 | 5.82 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-88 | 5.97 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-88 | 6.13 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-88 | 6.21 | 6.17 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-88 | 6.29 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-88 | 6.33 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-88 | 6.35 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-88 | 6.36 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-88 | 6.35 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-88 | 6.31 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-88 | 6.25 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-88 | 6.18 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-88 | 6.11 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-88 | 6.07 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-88 | 6.02 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-88 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-88 | 6.00 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-88 | 5.99 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-88 | 6.00 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-88 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-88 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-88 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-88 | 6.10 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-88 | 6.14 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-88 | 6.13 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-88 | 6.12 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-88 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-88 | 6.08 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-88 | 6.03 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-88 | 5.98 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-88 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-88 | 5.94 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-88 | 5.93 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-88 | 5.93 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-88 | 5.94 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-88 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-88 | 6.03 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-88 | 6.06 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-88 | 6.11 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-88 | 6.17 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-88 | 6.22 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-88 | 6.25 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-88 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-88 | 6.32 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-88 | 6.36 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-88 | 6.41 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-88 | 6.52 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-88 | 6.67 | 6.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-88 | 6.97 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-88 | 7.25 | 7.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-88 | 7.55 | 7.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-88 | 7.85 | 7.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-88 | 8.55 | 8.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-88 | 8.86 | 8.66 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-88 | 8.91 | 8.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-88 | 8.91 | 8.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-88 | 8.82 | 8.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-88 | 8.74 | 8.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-88 | 8.60 | 8.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-88 | 8.47 | 8.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-88 | 8.35 | 8.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-88 | 8.30 | 8.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-88 | 8.20 | 8.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-88 | 8.07 | 8.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-88 | 7.97 | 7.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-88 | 7.87 | 7.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-88 | 7.76 | 7.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-88 | 7.65 | 7.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-88 | 7.55 | 7.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-88 | 7.44 | 7.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-88 | 7.32 | 7.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-88 | 7.18 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-88 | 7.00 | 6.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-88 | 6.80 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-88 | 6.65 | 6.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-88 | 6.54 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-88 | 6.41 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-88 | 6.30 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-88 | 6.19 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-88 | 6.08 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-88 | 5.97 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-88 | 5.88 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-88 | 5.80 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-88 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-88 | 5.70 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-88 | 5.64 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-88 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-88 | 5.54 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-88 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-88 | 5.49 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-88 | 5.41 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-88 | 5.35 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-88 | 5.32 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-88 | 5.34 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-88 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-88 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-88 | 5.33 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-88 | 5.28 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-88 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-88 | 5.07 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-88 | 5.26 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-88 | 5.19 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-88 | 5.08 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-88 | 4.98 | 4.91 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-88 | 4.87 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-88 | 4.77 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-88 | 4.71 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-88 | 4.70 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-88 | 4.67 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-88 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-88 | 4.59 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-88 | 4.50 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-88 | 4.38 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-88 | 4.23 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-88 | 4.10 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-88 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-88 | 3.86 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-88 | 3.76 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-88 | 3.67 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-88 | 3.61 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-88 | 3.55 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-88 | 3.50 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-88 | 3.52 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-88 | 3.45 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-88 | 3.42 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-88 | 3.30 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-88 | 3.25 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-88 | 3.15 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-88 | 3.05 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-88 | 3.00 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-88 | 2.96 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-88 | 3.00 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-88 | 3.25 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-88 | 3.24 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-88 | 3.17 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-88 | 3.07 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-88 | 3.10 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-88 | 3.12 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-88 | 3.10 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-88 | 2.95 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-88 | 2.85 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-88 | 3.15 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-88 | 3.42 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-88 | 3.12 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-88 | 2.90 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-88 | 2.75 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-88 | 2.52 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-88 | 2.55 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-88 | 2.60 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-88 | 2.62 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-88 | 2.58 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-88 | 2.55 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-88 | 2.57 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-88 | 2.48 | 2.40 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-88 | 2.43 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-88 | 2.35 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-88 | 2.29 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-88 | 2.18 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-88 | 2.15 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-88 | 1.99 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-88 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-88 | 1.85 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-88 | 1.78 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-88 | 1.82 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-88 | 1.86 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-88 | 1.93 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-88 | 1.86 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-88 | 1.85 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-88 | 1.82 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-88 | 1.79 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-88 | 1.71 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-88 | 1.68 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-88 | 1.64 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-88 | 1.62 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-89 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-89 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-89 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-89 | 1.50 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-89 | 1.53 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-89 | 1.75 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-89 | 1.80 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-89 | 1.83 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-89 | 1.90 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-89 | 1.92 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-89 | 1.90 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-89 | 1.85 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-89 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-89 | 1.55 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-89 | 1.40 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-89 | 1.35 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-89 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-89 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-89 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-89 | 1.54 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-89 | 1.46 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-89 | 1.57 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-89 | 1.60 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-89 | 1.65 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-89 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-89 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-89 | 1.64 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-89 | 1.58 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-89 | 1.57 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-89 | 1.41 | 1.31 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-89 | 1.38 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-89 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-89 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-89 | 1.66 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-89 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-89 | 1.76 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-89 | 1.78 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-89 | 1.94 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-89 | 2.02 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-89 | 2.05 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-89 | 2.01 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-89 | 1.93 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-89 | 1.88 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-89 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-89 | 1.61 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-89 | 1.60 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-89 | 1.50 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-89 | 1.53 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-89 | 1.60 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-89 | 1.80 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-89 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-89 | 1.75 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-89 | 1.76 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-89 | 1.86 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-89 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-89 | 1.69 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-89 | 1.66 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-89 | 1.61 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-89 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-89 | 1.58 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-89 | 1.57 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-89 | 1.47 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-89 | 1.40 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-89 | 1.40 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-89 | 1.50 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-89 | 1.65 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-89 | 1.82 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-89 | 1.95 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-89 | 2.02 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-89 | 2.05 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-89 | 1.97 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-89 | 1.85 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-89 | 1.75 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-89 | 1.62 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-89 | 1.59 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-89 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-89 | 1.45 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-89 | 1.49 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-89 | 1.58 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-89 | 1.69 | 1.53 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-89 | 1.80 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-89 | 1.96 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-89 | 2.03 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-89 | 2.08 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-89 | 2.05 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-89 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-89 | 1.75 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-89 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-89 | 1.46 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-89 | 1.46 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-89 | 1.44 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-89 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-89 | 1.72 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-89 | 1.88 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-89 | 1.96 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-89 | 2.06 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-89 | 2.10 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-89 | 2.20 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-89 | 2.22 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-89 | 2.24 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-89 | 2.15 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-89 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-89 | 2.03 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-89 | 1.84 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-89 | 1.67 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-89 | 1.72 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-89 | 1.88 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-89 | 2.10 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-89 | 2.12 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-89 | 2.11 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-89 | 2.15 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-89 | 2.26 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-89 | 2.29 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-89 | 2.33 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-89 | 2.35 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-89 | 2.28 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-89 | 2.45 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-89 | 2.46 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-89 | 2.47 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-89 | 2.27 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-89 | 2.45 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-89 | 2.75 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-89 | 2.90 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-89 | 3.00 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-89 | 3.00 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-89 | 2.95 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-89 | 2.92 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-89 | 2.96 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-89 | 2.90 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-89 | 2.85 | 2.60 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-89 | 2.84 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-89 | 2.60 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-89 | 2.50 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-89 | 2.50 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-89 | 2.70 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-89 | 2.80 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-89 | 2.75 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-89 | 2.73 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-89 | 2.74 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-89 | 2.70 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-89 | 2.75 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-89 | 2.83 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-89 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-89 | 3.02 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-89 | 3.18 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-89 | 3.50 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-89 | 3.47 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-89 | 3.50 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-89 | 3.35 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-89 | 3.30 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-89 | 3.50 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-89 | 3.79 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-89 | 3.89 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-89 | 3.77 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-89 | 3.77 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-89 | 3.82 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-89 | 3.85 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-89 | 3.92 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-89 | 3.95 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-89 | 3.88 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-89 | 3.88 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-89 | 3.90 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-89 | 3.98 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-89 | 4.04 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-89 | 4.12 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-89 | 4.18 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-89 | 4.17 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-89 | 4.22 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-89 | 4.54 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-89 | 4.66 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-89 | 4.76 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-89 | 4.86 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-89 | 4.93 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-89 | 4.93 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-89 | 4.92 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-89 | 4.88 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-89 | 4.77 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-89 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-89 | 4.67 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-89 | 4.64 | 4.62 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-89 | 4.61 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-89 | 4.58 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-89 | 4.60 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-89 | 4.73 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-89 | 4.92 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-89 | 5.17 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-89 | 5.27 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-89 | 5.34 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-89 | 5.40 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-89 | 5.44 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-89 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-89 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-89 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-89 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-89 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-89 | 5.53 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-89 | 5.54 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-89 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-89 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-89 | 5.67 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-89 | 5.70 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-89 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-89 | 5.84 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-89 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-89 | 5.92 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-89 | 5.91 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-89 | 5.85 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-89 | 5.79 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-89 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-89 | 5.78 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-89 | 5.72 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-89 | 5.70 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-89 | 5.70 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-89 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-89 | 5.68 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-89 | 5.70 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-89 | 5.74 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-89 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-89 | 5.78 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-89 | 5.76 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-89 | 5.74 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-89 | 5.67 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-89 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-89 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-89 | 5.54 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-89 | 5.51 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-89 | 5.43 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-89 | 5.40 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-89 | 5.38 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-89 | 5.39 | 5.38 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-89 | 5.40 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-89 | 5.41 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-89 | 5.41 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-89 | 5.40 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-89 | 5.40 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-89 | 5.42 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-89 | 5.44 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-89 | 5.44 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-89 | 5.43 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-89 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-89 | 5.43 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-89 | 5.43 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-89 | 5.49 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-89 | 5.45 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-89 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-89 | 5.41 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-89 | 5.39 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-89 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-89 | 5.43 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-89 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-89 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-89 | 5.45 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-89 | 5.46 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-89 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-89 | 5.49 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-89 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-89 | 5.60 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-89 | 5.62 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-89 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-89 | 5.59 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-89 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-89 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-89 | 5.55 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-89 | 5.56 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-89 | 5.57 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-89 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-89 | 5.61 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-89 | 5.62 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-89 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-89 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-89 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-89 | 5.71 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-89 | 5.70 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-89 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-89 | 5.68 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-89 | 5.63 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-89 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-89 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-89 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-89 | 5.49 | 5.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-89 | 5.45 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-89 | 5.48 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-89 | 5.45 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-89 | 5.43 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-89 | 5.38 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-89 | 5.31 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-89 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-89 | 5.22 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-89 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-89 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-89 | 5.46 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-89 | 5.43 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-89 | 5.34 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-89 | 5.22 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-89 | 5.11 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-89 | 5.00 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-89 | 4.90 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-89 | 4.81 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-89 | 4.74 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-89 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-89 | 4.62 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-89 | 4.54 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-89 | 4.43 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-89 | 4.33 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-89 | 4.15 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-89 | 4.04 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-89 | 3.95 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-89 | 3.85 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-89 | 3.74 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-89 | 3.66 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-89 | 3.60 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-89 | 3.47 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-89 | 3.38 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-89 | 3.33 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-89 | 3.32 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-89 | 3.34 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-89 | 3.32 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-89 | 3.31 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-89 | 3.30 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-89 | 3.15 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-89 | 3.06 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-89 | 2.94 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-89 | 2.89 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-89 | 2.81 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-89 | 2.70 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-89 | 2.62 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-89 | 2.58 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-89 | 2.52 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-89 | 2.57 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-89 | 2.57 | 2.41 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-89 | 2.56 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-89 | 2.53 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-89 | 2.51 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-89 | 2.38 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-89 | 2.40 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-89 | 2.33 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-89 | 2.31 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-89 | 2.24 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-89 | 2.19 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-89 | 2.08 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-89 | 2.04 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-89 | 2.00 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-89 | 2.05 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-89 | 2.07 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-89 | 2.17 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-89 | 2.23 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-89 | 2.27 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-89 | 2.20 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-89 | 2.17 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-89 | 2.15 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-89 | 2.15 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-89 | 2.05 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-89 | 1.92 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-89 | 1.78 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-89 | 1.77 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-89 | 1.75 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-89 | 1.70 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-89 | 1.72 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-89 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-89 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-89 | 1.69 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-89 | 1.76 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-89 | 1.78 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-89 | 1.79 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-89 | 1.76 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-90 | 1.76 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-90 | 1.76 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-90 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-90 | 1.70 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-90 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-90 | 1.70 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-90 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-90 | 1.72 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-90 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-90 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-90 | 1.80 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-90 | 1.85 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-90 | 1.88 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-90 | 1.88 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-90 | 1.85 | 1.76 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-90 | 1.80 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-90 | 1.70 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-90 | 1.70 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-90 | 1.68 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-90 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-90 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-90 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-90 | 1.50 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-90 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-90 | 1.66 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-90 | 1.78 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-90 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-90 | 1.83 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-90 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-90 | 1.90 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-90 | 1.96 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-90 | 1.74 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-90 | 1.70 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-90 | 1.66 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-90 | 1.52 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-90 | 1.44 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-90 | 1.38 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-90 | 1.36 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-90 | 1.35 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-90 | 1.35 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-90 | 1.47 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-90 | 1.53 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-90 | 1.49 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-90 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-90 | 1.51 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-90 | 1.44 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-90 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-90 | 1.36 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-90 | 1.30 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-90 | 1.26 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-90 | 1.22 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-90 | 1.24 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-90 | 1.30 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-90 | 1.34 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-90 | 1.40 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-90 | 1.47 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-90 | 1.62 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-90 | 1.73 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-90 | 1.80 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-90 | 1.74 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-90 | 1.69 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-90 | 1.67 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-90 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-90 | 1.48 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-90 | 1.38 | 1.28 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-90 | 1.28 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-90 | 1.26 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-90 | 1.30 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-90 | 1.40 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-90 | 1.50 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-90 | 1.59 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-90 | 1.68 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-90 | 1.71 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-90 | 1.73 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-90 | 1.67 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-90 | 1.58 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-90 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-90 | 1.39 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-90 | 1.33 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-90 | 1.34 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-90 | 1.43 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-90 | 1.58 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-90 | 1.76 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-90 | 1.93 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-90 | 1.98 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-90 | 2.02 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-90 | 2.03 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-90 | 2.10 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-90 | 2.08 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-90 | 2.08 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-90 | 2.01 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-90 | 1.98 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-90 | 1.83 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-90 | 1.76 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-90 | 1.70 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-90 | 1.63 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-90 | 1.73 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-90 | 1.78 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-90 | 1.88 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-90 | 2.06 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-90 | 2.08 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-90 | 2.13 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-90 | 2.20 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-90 | 2.28 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-90 | 2.33 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-90 | 2.28 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-90 | 2.18 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-90 | 1.98 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-90 | 2.00 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-90 | 2.18 | 0.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-90 | 2.36 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-90 | 2.53 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-90 | 2.50 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-90 | 2.60 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-90 | 2.70 | 2.56 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-90 | 2.80 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-90 | 2.90 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-90 | 2.94 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-90 | 2.95 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-90 | 2.90 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-90 | 3.00 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-90 | 2.97 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-90 | 2.89 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-90 | 2.85 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-90 | 2.84 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-90 | 2.85 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-90 | 2.88 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-90 | 2.95 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-90 | 2.99 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-90 | 2.98 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-90 | 2.98 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-90 | 2.95 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-90 | 2.87 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-90 | 2.87 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-90 | 3.23 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-90 | 3.00 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-90 | 2.87 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-90 | 2.74 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-90 | 2.82 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-90 | 2.85 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-90 | 2.94 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-90 | 3.08 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-90 | 3.23 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-90 | 3.26 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-90 | 3.34 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-90 | 3.40 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-90 | 3.42 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-90 | 3.44 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-90 | 3.39 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-90 | 3.36 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-90 | 3.43 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-90 | 3.52 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-90 | 3.61 | 3.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-90 | 3.65 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-90 | 3.68 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-90 | 3.73 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-90 | 3.97 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-90 | 4.10 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-90 | 4.13 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-90 | 4.32 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-90 | 4.44 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-90 | 4.50 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-90 | 4.64 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-90 | 4.79 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-90 | 4.90 | 4.84 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-90 | 4.93 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-90 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-90 | 4.85 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-90 | 4.80 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-90 | 4.73 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-90 | 4.69 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-90 | 4.64 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-90 | 4.65 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-90 | 4.69 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-90 | 4.79 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-90 | 4.90 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-90 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-90 | 5.06 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-90 | 5.09 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-90 | 5.09 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-90 | 5.07 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-90 | 5.06 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-90 | 5.04 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-90 | 5.04 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-90 | 5.04 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-90 | 5.10 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-90 | 5.09 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-90 | 5.07 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-90 | 5.12 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-90 | 5.13 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-90 | 5.14 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-90 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-90 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-90 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-90 | 5.30 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-90 | 5.32 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-90 | 5.38 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-90 | 5.40 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-90 | 5.43 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-90 | 5.46 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-90 | 5.50 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-90 | 5.57 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-90 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-90 | 5.67 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-90 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-90 | 5.76 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-90 | 5.82 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-90 | 5.86 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-90 | 5.93 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-90 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-90 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-90 | 6.02 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-90 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-90 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-90 | 6.08 | 6.08 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-90 | 6.10 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-90 | 6.12 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-90 | 6.12 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-90 | 6.11 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-90 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-90 | 6.09 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-90 | 6.08 | 6.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-90 | 6.07 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-90 | 6.04 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-90 | 6.02 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-90 | 6.00 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-90 | 5.99 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-90 | 5.98 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-90 | 5.98 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-90 | 5.97 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-90 | 5.96 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-90 | 5.97 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-90 | 5.99 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-90 | 5.99 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-90 | 5.98 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-90 | 5.97 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-90 | 5.93 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-90 | 5.87 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-90 | 5.81 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-90 | 5.77 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-90 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-90 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-90 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-90 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-90 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-90 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-90 | 5.57 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-90 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-90 | 5.54 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-90 | 5.51 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-90 | 5.46 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-90 | 5.40 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-90 | 5.33 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-90 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-90 | 5.24 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-90 | 5.22 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-90 | 5.20 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-90 | 5.18 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-90 | 5.16 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-90 | 5.13 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-90 | 5.15 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-90 | 5.17 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-90 | 5.17 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-90 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-90 | 5.20 | 5.20 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-90 | 5.22 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-90 | 5.26 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-90 | 5.29 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-90 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-90 | 5.35 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-90 | 5.46 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-90 | 5.53 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-90 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-90 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-90 | 5.66 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-90 | 5.71 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-90 | 5.77 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-90 | 5.82 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-90 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-90 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-90 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-90 | 6.00 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-90 | 6.00 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-90 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-90 | 5.91 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-90 | 5.87 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-90 | 5.81 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-90 | 5.76 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-90 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-90 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-90 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-90 | 5.51 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-90 | 5.43 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-90 | 5.37 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-90 | 5.26 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-90 | 5.15 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-90 | 5.05 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-90 | 4.92 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-90 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-90 | 4.68 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-90 | 4.54 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-90 | 4.43 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-90 | 4.32 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-90 | 4.22 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-90 | 4.10 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-90 | 4.01 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-90 | 3.95 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-90 | 4.00 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-90 | 3.98 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-90 | 3.93 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-90 | 3.87 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-90 | 3.70 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-90 | 3.60 | 3.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-90 | 3.53 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-90 | 3.43 | 3.39 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-90 | 3.37 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-90 | 3.28 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-90 | 3.26 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-90 | 3.21 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-90 | 3.17 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-90 | 3.11 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-90 | 3.07 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-90 | 3.03 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-90 | 2.99 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-90 | 2.94 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-90 | 2.88 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-90 | 2.84 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-90 | 2.78 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-90 | 2.70 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-90 | 2.60 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-90 | 2.51 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-90 | 2.43 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-90 | 2.37 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-90 | 2.42 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-90 | 2.35 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-90 | 2.37 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-90 | 2.44 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-90 | 2.38 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-90 | 2.42 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-90 | 2.43 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-90 | 2.35 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-90 | 2.30 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-90 | 2.12 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-90 | 2.06 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-90 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-90 | 1.90 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-90 | 1.78 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-90 | 1.92 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-90 | 1.85 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-90 | 1.89 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-90 | 2.00 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-90 | 2.05 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-90 | 2.06 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-90 | 2.05 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-90 | 2.04 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-90 | 1.97 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-90 | 1.92 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-90 | 1.87 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-90 | 1.85 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-90 | 1.70 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-90 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-90 | 1.73 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-90 | 1.70 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-90 | 1.74 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-90 | 1.83 | 1.68 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-91 | 1.90 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-91 | 1.98 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-91 | 2.10 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-91 | 2.05 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-91 | 1.93 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-91 | 1.83 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-91 | 1.77 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-91 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-91 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-91 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-91 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-91 | 1.43 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-91 | 1.40 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-91 | 1.40 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-91 | 1.39 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-91 | 1.45 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-91 | 1.50 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-91 | 1.63 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-91 | 1.63 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-91 | 1.64 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-91 | 1.56 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-91 | 1.56 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-91 | 1.55 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-91 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-91 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-91 | 1.33 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-91 | 1.33 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-91 | 1.39 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-91 | 1.49 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-91 | 1.62 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-91 | 1.68 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-91 | 1.75 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-91 | 1.80 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-91 | 1.76 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-91 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-91 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-91 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-91 | 1.45 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-91 | 1.34 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-91 | 1.28 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-91 | 1.25 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-91 | 1.28 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-91 | 1.32 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-91 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-91 | 1.50 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-91 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-91 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-91 | 1.52 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-91 | 1.53 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-91 | 1.51 | 1.45 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-91 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-91 | 1.40 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-91 | 1.40 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-91 | 1.40 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-91 | 1.35 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-91 | 1.40 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-91 | 1.40 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-91 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-91 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-91 | 1.52 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-91 | 1.55 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-91 | 1.60 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-91 | 1.60 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-91 | 1.53 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-91 | 1.53 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-91 | 1.47 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-91 | 1.42 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-91 | 1.35 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-91 | 1.25 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-91 | 1.27 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-91 | 1.24 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-91 | 1.28 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-91 | 1.38 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-91 | 1.43 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-91 | 1.45 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-91 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-91 | 1.52 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-91 | 1.54 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-91 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-91 | 1.65 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-91 | 1.65 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-91 | 1.45 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-91 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-91 | 1.30 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-91 | 1.24 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-91 | 1.30 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-91 | 1.45 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-91 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-91 | 1.75 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-91 | 1.85 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-91 | 2.00 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-91 | 2.10 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-91 | 2.08 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-91 | 2.05 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-91 | 2.00 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-91 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-91 | 1.81 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-91 | 1.70 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-91 | 1.70 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-91 | 1.60 | 1.59 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-91 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-91 | 1.62 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-91 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-91 | 1.85 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-91 | 2.05 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-91 | 2.25 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-91 | 2.34 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-91 | 2.40 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-91 | 2.30 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-91 | 2.30 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-91 | 2.25 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-91 | 2.18 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-91 | 2.03 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-91 | 2.15 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-91 | 2.15 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-91 | 2.22 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-91 | 2.25 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-91 | 2.28 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-91 | 2.35 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-91 | 2.10 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-91 | 2.25 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-91 | 2.65 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-91 | 2.70 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-91 | 2.65 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-91 | 2.50 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-91 | 2.45 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-91 | 2.55 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-91 | 2.60 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-91 | 2.65 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-91 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-91 | 3.00 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-91 | 3.10 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-91 | 3.30 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-91 | 3.40 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-91 | 3.50 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-91 | 3.60 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-91 | 3.75 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-91 | 3.83 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-91 | 4.00 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-91 | 3.99 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-91 | 3.96 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-91 | 3.92 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-91 | 3.90 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-91 | 3.88 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-91 | 3.86 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-91 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-91 | 3.82 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-91 | 3.80 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-91 | 3.80 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-91 | 3.82 | 3.76 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-91 | 3.84 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-91 | 3.95 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-91 | 3.96 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-91 | 4.00 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-91 | 4.00 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-91 | 3.98 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-91 | 3.99 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-91 | 3.98 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-91 | 4.02 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-91 | 4.15 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-91 | 4.30 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-91 | 4.40 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-91 | 4.49 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-91 | 4.55 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-91 | 4.60 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-91 | 4.61 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-91 | 4.74 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-91 | 4.85 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-91 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-91 | 5.01 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-91 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-91 | 5.13 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-91 | 5.18 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-91 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-91 | 5.28 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-91 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-91 | 5.34 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-91 | 5.35 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-91 | 5.35 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-91 | 5.34 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-91 | 5.32 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-91 | 5.30 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-91 | 5.28 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-91 | 5.27 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-91 | 5.25 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-91 | 5.26 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-91 | 5.27 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-91 | 5.30 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-91 | 5.34 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-91 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-91 | 5.50 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-91 | 5.58 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-91 | 5.68 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-91 | 5.80 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-91 | 5.85 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-91 | 5.94 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-91 | 6.10 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-91 | 6.20 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-91 | 6.28 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-91 | 6.34 | 6.32 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-91 | 6.35 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-91 | 6.34 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-91 | 6.35 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-91 | 6.33 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-91 | 6.27 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-91 | 6.20 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-91 | 6.17 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-91 | 6.07 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-91 | 6.02 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-91 | 5.97 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-91 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-91 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-91 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-91 | 5.73 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-91 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-91 | 5.66 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-91 | 5.63 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-91 | 5.62 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-91 | 5.50 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-91 | 5.53 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-91 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-91 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-91 | 5.66 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-91 | 5.74 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-91 | 5.80 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-91 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-91 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-91 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-91 | 5.91 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-91 | 5.90 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-91 | 5.90 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-91 | 5.79 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-91 | 5.78 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-91 | 5.80 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-91 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-91 | 5.84 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-91 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-91 | 5.80 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-91 | 5.78 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-91 | 5.70 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-91 | 5.63 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-91 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-91 | 5.61 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-91 | 5.62 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-91 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-91 | 5.61 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-91 | 5.63 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-91 | 5.66 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-91 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-91 | 5.74 | 5.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-91 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-91 | 5.83 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-91 | 5.89 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-91 | 5.94 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-91 | 6.01 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-91 | 6.05 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-91 | 6.15 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-91 | 6.24 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-91 | 6.27 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-91 | 6.27 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-91 | 6.24 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-91 | 6.22 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-91 | 6.18 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-91 | 6.12 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-91 | 6.07 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-91 | 6.00 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-91 | 5.93 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-91 | 5.85 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-91 | 5.97 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-91 | 5.94 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-91 | 5.88 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-91 | 5.81 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-91 | 5.73 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-91 | 5.65 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-91 | 5.57 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-91 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-91 | 5.44 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-91 | 5.38 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-91 | 5.36 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-91 | 5.29 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-91 | 5.20 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-91 | 5.12 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-91 | 5.02 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-91 | 4.93 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-91 | 4.82 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-91 | 4.82 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-91 | 4.82 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-91 | 5.04 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-91 | 4.97 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-91 | 4.88 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-91 | 4.76 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-91 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-91 | 4.62 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-91 | 4.55 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-91 | 4.50 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-91 | 4.43 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-91 | 4.36 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-91 | 4.28 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-91 | 4.20 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-91 | 4.12 | 4.08 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-91 | 4.00 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-91 | 3.88 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-91 | 3.79 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-91 | 3.73 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-91 | 3.66 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-91 | 3.54 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-91 | 3.40 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-91 | 3.31 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-91 | 3.21 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-91 | 3.18 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-91 | 3.28 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-91 | 3.18 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-91 | 3.08 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-91 | 3.02 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-91 | 2.91 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-91 | 2.79 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-91 | 2.71 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-91 | 2.64 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-91 | 2.60 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-91 | 2.54 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-91 | 2.48 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-91 | 2.45 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-91 | 2.44 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-91 | 2.45 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-91 | 2.53 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-91 | 2.51 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-91 | 2.50 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-91 | 2.49 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-91 | 2.48 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-91 | 2.49 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-91 | 2.43 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-91 | 2.41 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-91 | 2.39 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-91 | 2.25 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-91 | 2.18 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-91 | 2.10 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-91 | 2.23 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-91 | 2.32 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-91 | 2.35 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-91 | 2.39 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-91 | 2.31 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-91 | 2.40 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-91 | 2.38 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-91 | 2.35 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-91 | 2.33 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-91 | 2.25 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-91 | 2.23 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-91 | 2.15 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-91 | 2.16 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-91 | 2.06 | 1.97 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-91 | 2.06 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-91 | 2.04 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-91 | 2.05 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-91 | 2.20 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-91 | 2.31 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-91 | 2.34 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-91 | 2.38 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-91 | 2.42 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-91 | 2.40 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-91 | 2.45 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-91 | 2.44 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-91 | 2.39 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-91 | 2.32 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-91 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-91 | 2.08 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-92 | 2.01 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-92 | 1.97 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-92 | 1.96 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-92 | 1.94 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-92 | 1.95 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-92 | 2.15 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-92 | 2.16 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-92 | 2.20 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-92 | 2.15 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-92 | 2.16 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-92 | 2.18 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-92 | 2.11 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-92 | 1.99 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-92 | 1.96 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-92 | 1.89 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-92 | 1.87 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-92 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-92 | 1.92 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-92 | 1.95 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-92 | 2.10 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-92 | 2.12 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-92 | 2.20 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-92 | 2.16 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-92 | 2.14 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-92 | 2.11 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-92 | 1.98 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-92 | 1.90 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-92 | 1.80 | 0.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-92 | 1.87 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-92 | 1.82 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-92 | 1.82 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-92 | 1.83 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-92 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-92 | 1.95 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-92 | 1.98 | 1.89 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-92 | 1.97 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-92 | 1.98 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-92 | 1.98 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-92 | 2.05 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-92 | 2.06 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-92 | 1.98 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-92 | 1.95 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-92 | 1.91 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-92 | 1.84 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-92 | 1.79 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-92 | 1.78 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-92 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-92 | 1.84 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-92 | 1.88 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-92 | 2.05 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-92 | 2.09 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-92 | 2.24 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-92 | 2.28 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-92 | 2.26 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-92 | 2.36 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-92 | 2.23 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-92 | 1.98 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-92 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-92 | 1.72 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-92 | 1.72 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-92 | 1.73 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-92 | 1.76 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-92 | 1.77 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-92 | 1.85 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-92 | 1.89 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-92 | 2.04 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-92 | 2.07 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-92 | 2.05 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-92 | 2.04 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-92 | 1.95 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-92 | 1.89 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-92 | 1.86 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-92 | 1.85 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-92 | 1.80 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-92 | 1.81 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-92 | 1.83 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-92 | 1.88 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-92 | 1.92 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-92 | 2.10 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-92 | 2.32 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-92 | 2.18 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-92 | 2.22 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-92 | 2.25 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-92 | 2.22 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-92 | 2.17 | 2.12 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-92 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-92 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-92 | 2.00 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-92 | 1.95 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-92 | 1.88 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-92 | 1.92 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-92 | 2.02 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-92 | 2.00 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-92 | 2.05 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-92 | 2.08 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-92 | 2.11 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-92 | 2.15 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-92 | 2.20 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-92 | 2.28 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-92 | 2.29 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-92 | 2.30 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-92 | 2.29 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-92 | 2.35 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-92 | 2.38 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-92 | 2.34 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-92 | 2.37 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-92 | 2.33 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-92 | 2.45 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-92 | 2.47 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-92 | 2.53 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-92 | 2.56 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-92 | 2.63 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-92 | 2.65 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-92 | 2.64 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-92 | 2.61 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-92 | 2.57 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-92 | 2.52 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-92 | 2.50 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-92 | 2.47 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-92 | 2.45 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-92 | 2.40 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-92 | 2.32 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-92 | 2.40 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-92 | 2.48 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-92 | 2.53 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-92 | 2.51 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-92 | 2.55 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-92 | 2.56 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-92 | 2.57 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-92 | 2.59 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-92 | 2.61 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-92 | 2.58 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-92 | 2.57 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-92 | 2.55 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-92 | 2.56 | 2.50 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-92 | 2.56 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-92 | 2.73 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-92 | 2.84 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-92 | 2.89 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-92 | 2.97 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-92 | 3.13 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-92 | 3.23 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-92 | 3.07 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-92 | 3.03 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-92 | 2.97 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-92 | 2.98 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-92 | 3.03 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-92 | 3.15 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-92 | 3.20 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-92 | 3.27 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-92 | 3.26 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-92 | 3.30 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-92 | 2.85 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-92 | 2.82 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-92 | 2.72 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-92 | 2.65 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-92 | 2.68 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-92 | 2.70 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-92 | 2.71 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-92 | 2.65 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-92 | 2.59 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-92 | 2.64 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-92 | 2.67 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-92 | 2.71 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-92 | 2.75 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-92 | 2.86 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-92 | 2.94 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-92 | 3.10 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-92 | 3.18 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-92 | 3.26 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-92 | 3.28 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-92 | 3.30 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-92 | 3.31 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-92 | 3.33 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-92 | 3.39 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-92 | 3.35 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-92 | 3.39 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-92 | 3.42 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-92 | 3.50 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-92 | 3.86 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-92 | 3.90 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-92 | 4.10 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-92 | 4.26 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-92 | 4.38 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-92 | 4.45 | 4.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-92 | 4.49 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-92 | 4.52 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-92 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-92 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-92 | 4.50 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-92 | 4.44 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-92 | 4.46 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-92 | 4.48 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-92 | 4.49 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-92 | 4.52 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-92 | 4.54 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-92 | 4.54 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-92 | 4.58 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-92 | 4.60 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-92 | 4.62 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-92 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-92 | 4.73 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-92 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-92 | 4.77 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-92 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-92 | 4.74 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-92 | 4.61 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-92 | 4.52 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-92 | 4.56 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-92 | 4.62 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-92 | 4.62 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-92 | 4.61 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-92 | 4.62 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-92 | 4.62 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-92 | 4.59 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-92 | 4.57 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-92 | 4.60 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-92 | 4.61 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-92 | 4.62 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-92 | 4.61 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-92 | 4.58 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-92 | 4.57 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-92 | 4.57 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-92 | 4.55 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-92 | 4.54 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-92 | 4.53 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-92 | 4.53 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-92 | 4.52 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-92 | 4.51 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-92 | 4.50 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-92 | 4.49 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-92 | 4.48 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-92 | 4.45 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-92 | 4.38 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-92 | 4.32 | 4.31 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-92 | 4.30 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-92 | 4.26 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-92 | 4.26 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-92 | 4.26 | 4.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-92 | 4.31 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-92 | 4.42 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-92 | 4.55 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-92 | 4.63 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-92 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-92 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-92 | 4.81 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-92 | 4.82 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-92 | 4.81 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-92 | 4.76 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-92 | 4.71 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-92 | 4.66 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-92 | 4.61 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-92 | 4.56 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-92 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-92 | 4.51 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-92 | 4.49 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-92 | 4.46 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-92 | 4.54 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-92 | 4.53 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-92 | 4.51 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-92 | 4.48 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-92 | 4.46 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-92 | 4.46 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-92 | 4.47 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-92 | 4.50 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-92 | 4.55 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-92 | 4.59 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-92 | 4.61 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-92 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-92 | 4.63 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-92 | 4.61 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-92 | 4.59 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-92 | 4.57 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-92 | 4.55 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-92 | 4.54 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-92 | 4.49 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-92 | 4.40 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-92 | 4.26 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-92 | 4.20 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-92 | 4.13 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-92 | 4.08 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-92 | 4.09 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-92 | 4.09 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-92 | 4.04 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-92 | 3.98 | 3.95 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-92 | 3.93 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-92 | 3.92 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-92 | 3.90 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-92 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-92 | 3.93 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-92 | 3.93 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-92 | 3.89 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-92 | 3.85 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-92 | 3.82 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-92 | 3.80 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-92 | 3.83 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-92 | 3.86 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-92 | 3.85 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-92 | 3.87 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-92 | 3.85 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-92 | 3.82 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-92 | 3.75 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-92 | 3.67 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-92 | 3.57 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-92 | 3.51 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-92 | 3.43 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-92 | 3.35 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-92 | 3.29 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-92 | 3.21 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-92 | 3.11 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-92 | 3.02 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-92 | 2.90 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-92 | 2.82 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-92 | 2.76 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-92 | 2.75 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-92 | 2.76 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-92 | 2.78 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-92 | 2.80 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-92 | 2.70 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-92 | 2.62 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-92 | 2.50 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-92 | 2.38 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-92 | 2.30 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-92 | 2.25 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-92 | 2.25 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-92 | 2.24 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-92 | 2.40 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-92 | 2.38 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-92 | 2.35 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-92 | 2.36 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-92 | 2.26 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-92 | 2.25 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-92 | 2.30 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-92 | 2.26 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-92 | 2.28 | 2.20 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-92 | 2.20 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-92 | 2.02 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-92 | 2.02 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-92 | 1.90 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-92 | 1.84 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-92 | 1.70 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-92 | 1.78 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-92 | 1.93 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-92 | 2.02 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-92 | 2.10 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-92 | 2.15 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-92 | 2.18 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-92 | 2.14 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-92 | 2.10 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-92 | 2.06 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-92 | 1.97 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-92 | 1.98 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-92 | 1.96 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-92 | 1.94 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-92 | 1.85 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-92 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-92 | 1.87 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-92 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-92 | 1.94 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-92 | 1.97 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-92 | 2.02 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-92 | 2.00 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-92 | 1.95 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-92 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-92 | 1.88 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-92 | 1.78 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-93 | 1.58 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-93 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-93 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-93 | 1.47 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-93 | 1.48 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-93 | 1.47 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-93 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-93 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-93 | 1.73 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-93 | 1.80 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-93 | 1.77 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-93 | 1.79 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-93 | 1.67 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-93 | 1.64 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-93 | 1.59 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-93 | 1.52 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-93 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-93 | 1.42 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-93 | 1.30 | 1.24 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-93 | 1.32 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-93 | 1.31 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-93 | 1.29 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-93 | 1.32 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-93 | 1.37 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-93 | 1.42 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-93 | 1.36 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-93 | 1.33 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-93 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-93 | 1.28 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-93 | 1.29 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-93 | 1.28 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-93 | 1.32 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-93 | 1.28 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-93 | 1.22 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-93 | 1.20 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-93 | 1.23 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-93 | 1.28 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-93 | 1.38 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-93 | 1.55 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-93 | 1.87 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-93 | 1.69 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-93 | 1.62 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-93 | 1.58 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-93 | 1.55 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-93 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-93 | 1.45 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-93 | 1.43 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-93 | 1.40 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-93 | 1.45 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-93 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-93 | 1.68 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-93 | 1.85 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-93 | 1.88 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-93 | 1.78 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-93 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-93 | 1.66 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-93 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-93 | 1.56 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-93 | 1.52 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-93 | 1.40 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-93 | 1.33 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-93 | 1.25 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-93 | 1.26 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-93 | 1.24 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-93 | 1.26 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-93 | 1.35 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-93 | 1.48 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-93 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-93 | 1.56 | 1.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-93 | 1.63 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-93 | 1.73 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-93 | 1.68 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-93 | 1.67 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-93 | 1.62 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-93 | 1.60 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-93 | 1.50 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-93 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-93 | 1.35 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-93 | 1.29 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-93 | 1.37 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-93 | 1.68 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-93 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-93 | 1.85 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-93 | 1.98 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-93 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-93 | 1.80 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-93 | 1.82 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-93 | 1.78 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-93 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-93 | 1.55 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-93 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-93 | 1.44 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-93 | 1.38 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-93 | 1.33 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-93 | 1.44 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-93 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-93 | 1.76 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-93 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-93 | 1.90 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-93 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-93 | 1.90 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-93 | 1.93 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-93 | 1.95 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-93 | 1.80 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-93 | 1.66 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-93 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-93 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-93 | 1.61 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-93 | 1.68 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-93 | 1.72 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-93 | 1.76 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-93 | 1.78 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-93 | 1.79 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-93 | 1.96 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-93 | 1.98 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-93 | 2.10 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-93 | 2.13 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-93 | 2.11 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-93 | 2.13 | 2.02 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-93 | 2.05 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-93 | 2.22 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-93 | 2.44 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-93 | 2.71 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-93 | 2.94 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-93 | 3.02 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-93 | 3.05 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-93 | 3.07 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-93 | 3.08 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-93 | 3.03 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-93 | 2.92 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-93 | 2.93 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-93 | 2.99 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-93 | 3.08 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-93 | 3.10 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-93 | 3.00 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-93 | 3.15 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-93 | 3.24 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-93 | 3.35 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-93 | 3.36 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-93 | 3.42 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-93 | 3.53 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-93 | 3.65 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-93 | 3.73 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-93 | 3.76 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-93 | 3.75 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-93 | 3.73 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-93 | 3.71 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-93 | 3.68 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-93 | 3.67 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-93 | 3.65 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-93 | 3.62 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-93 | 3.63 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-93 | 3.60 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-93 | 3.58 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-93 | 3.62 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-93 | 3.65 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-93 | 3.68 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-93 | 3.72 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-93 | 3.80 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-93 | 3.96 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-93 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-93 | 4.18 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-93 | 4.30 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-93 | 4.42 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-93 | 4.50 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-93 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-93 | 4.58 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-93 | 4.56 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-93 | 4.83 | 4.70 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-93 | 4.87 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-93 | 4.86 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-93 | 4.84 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-93 | 4.83 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-93 | 4.84 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-93 | 4.86 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-93 | 4.88 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-93 | 4.90 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-93 | 4.90 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-93 | 4.88 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-93 | 4.86 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-93 | 4.88 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-93 | 4.91 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-93 | 4.96 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-93 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-93 | 5.03 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-93 | 5.07 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-93 | 5.12 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-93 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-93 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-93 | 5.26 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-93 | 5.35 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-93 | 5.41 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-93 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-93 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-93 | 5.48 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-93 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-93 | 5.50 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-93 | 5.50 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-93 | 5.50 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-93 | 5.51 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-93 | 5.52 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-93 | 5.53 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-93 | 5.54 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-93 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-93 | 5.72 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-93 | 5.78 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-93 | 5.84 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-93 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-93 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-93 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-93 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-93 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-93 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-93 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-93 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-93 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-93 | 5.62 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-93 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-93 | 5.55 | 5.54 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-93 | 5.54 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-93 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-93 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-93 | 5.63 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-93 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-93 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-93 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-93 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-93 | 5.82 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-93 | 5.86 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-93 | 5.90 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-93 | 5.95 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-93 | 5.97 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-93 | 5.99 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-93 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-93 | 6.05 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-93 | 6.09 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-93 | 6.13 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-93 | 6.14 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-93 | 6.12 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-93 | 6.07 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-93 | 6.02 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-93 | 5.97 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-93 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-93 | 5.90 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-93 | 5.93 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-93 | 6.02 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-93 | 6.20 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-93 | 6.35 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-93 | 6.40 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-93 | 6.40 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-93 | 6.36 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-93 | 6.32 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-93 | 6.26 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-93 | 6.20 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-93 | 6.15 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-93 | 6.10 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-93 | 6.03 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-93 | 5.98 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-93 | 5.95 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-93 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-93 | 5.88 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-93 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-93 | 5.83 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-93 | 5.79 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-93 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-93 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-93 | 5.65 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-93 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-93 | 5.55 | 5.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-93 | 5.49 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-93 | 5.46 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-93 | 5.49 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-93 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-93 | 5.54 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-93 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-93 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-93 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-93 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-93 | 5.60 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-93 | 5.53 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-93 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-93 | 5.38 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-93 | 5.30 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-93 | 5.24 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-93 | 5.18 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-93 | 5.10 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-93 | 5.07 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-93 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-93 | 4.97 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-93 | 4.90 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-93 | 4.84 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-93 | 4.76 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-93 | 4.69 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-93 | 4.65 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-93 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-93 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-93 | 4.45 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-93 | 4.37 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-93 | 4.24 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-93 | 4.12 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-93 | 4.05 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-93 | 3.98 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-93 | 3.91 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-93 | 3.83 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-93 | 3.74 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-93 | 3.66 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-93 | 3.58 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-93 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-93 | 3.33 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-93 | 3.21 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-93 | 3.13 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-93 | 3.07 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-93 | 3.02 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-93 | 2.97 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-93 | 2.93 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-93 | 2.90 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-93 | 2.87 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-93 | 2.85 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-93 | 2.82 | 2.78 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-93 | 2.80 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-93 | 2.78 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-93 | 2.77 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-93 | 2.77 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-93 | 2.76 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-93 | 2.75 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-93 | 2.73 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-93 | 2.72 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-93 | 2.72 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-93 | 2.71 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-93 | 2.70 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-93 | 2.69 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-93 | 2.68 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-93 | 2.63 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-93 | 2.63 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-93 | 2.62 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-93 | 2.60 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-93 | 2.60 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-93 | 2.59 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-93 | 2.59 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-93 | 2.59 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-93 | 2.58 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-93 | 2.57 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-93 | 2.57 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-93 | 2.55 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-93 | 2.53 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-93 | 2.51 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-93 | 2.49 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-93 | 2.45 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-93 | 2.40 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-93 | 2.37 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-93 | 2.35 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-93 | 2.32 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-93 | 2.27 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-93 | 2.20 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-93 | 2.15 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-93 | 2.10 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-93 | 2.07 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-93 | 2.03 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-93 | 2.02 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-93 | 2.00 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-93 | 2.03 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-93 | 2.08 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-93 | 2.10 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-93 | 2.11 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-93 | 2.12 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-94 | 2.14 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-94 | 2.15 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-94 | 2.15 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-94 | 2.14 | 1.98 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-94 | 2.12 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-94 | 2.12 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-94 | 2.10 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-94 | 2.08 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-94 | 2.05 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-94 | 2.00 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-94 | 2.00 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-94 | 2.04 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-94 | 2.05 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-94 | 2.10 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-94 | 2.12 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-94 | 2.13 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-94 | 2.12 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-94 | 2.10 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-94 | 2.07 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-94 | 2.05 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-94 | 2.03 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-94 | 2.02 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-94 | 2.02 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-94 | 2.05 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-94 | 2.10 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-94 | 2.15 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-94 | 2.20 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-94 | 2.23 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-94 | 2.25 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-94 | 2.25 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-94 | 2.23 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-94 | 1.80 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-94 | 1.80 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-94 | 1.77 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-94 | 1.75 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-94 | 1.75 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-94 | 1.74 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-94 | 1.72 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-94 | 1.71 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-94 | 1.70 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-94 | 1.70 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-94 | 1.68 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-94 | 1.65 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-94 | 1.60 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-94 | 1.60 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-94 | 1.62 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-94 | 1.63 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-94 | 1.65 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-94 | 1.67 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-94 | 1.70 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-94 | 1.68 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-94 | 1.60 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-94 | 1.58 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-94 | 1.45 | 1.20 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-94 | 1.40 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-94 | 1.42 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-94 | 1.45 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-94 | 1.45 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-94 | 1.48 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-94 | 1.48 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-94 | 1.50 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-94 | 1.48 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-94 | 1.48 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-94 | 1.50 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-94 | 1.50 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-94 | 1.50 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-94 | 1.52 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-94 | 1.47 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-94 | 1.48 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-94 | 1.50 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-94 | 1.55 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-94 | 1.60 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-94 | 1.65 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-94 | 1.70 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-94 | 1.75 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-94 | 1.80 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-94 | 1.88 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-94 | 1.92 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-94 | 1.95 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-94 | 2.00 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-94 | 2.05 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-94 | 2.10 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-94 | 2.15 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-94 | 2.20 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-94 | 2.25 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-94 | 2.30 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-94 | 2.35 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-94 | 2.40 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-94 | 2.70 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-94 | 2.46 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-94 | 2.48 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-94 | 2.46 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-94 | 2.38 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-94 | 2.31 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-94 | 2.21 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-94 | 2.11 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-94 | 2.01 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-94 | 1.96 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-94 | 2.06 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-94 | 2.08 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-94 | 2.11 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-94 | 2.16 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-94 | 2.18 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-94 | 2.16 | 1.96 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-94 | 2.14 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-94 | 2.11 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-94 | 2.08 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-94 | 2.06 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-94 | 2.01 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-94 | 1.96 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-94 | 1.96 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-94 | 2.11 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-94 | 2.14 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-94 | 2.16 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-94 | 2.18 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-94 | 2.26 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-94 | 2.36 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-94 | 2.46 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-94 | 2.51 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-94 | 2.46 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-94 | 2.36 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-94 | 2.16 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-94 | 2.10 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-94 | 2.05 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-94 | 2.10 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-94 | 2.25 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-94 | 2.40 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-94 | 2.45 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-94 | 2.45 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-94 | 2.40 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-94 | 2.35 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-94 | 2.32 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-94 | 2.35 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-94 | 2.45 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-94 | 2.60 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-94 | 2.80 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-94 | 2.85 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-94 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-94 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-94 | 2.95 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-94 | 2.95 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-94 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-94 | 2.85 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-94 | 2.85 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-94 | 2.88 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-94 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-94 | 2.90 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-94 | 2.85 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-94 | 2.82 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-94 | 2.78 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-94 | 2.75 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-94 | 2.75 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-94 | 2.75 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-94 | 2.80 | 2.65 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-94 | 3.00 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-94 | 3.30 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-94 | 3.53 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-94 | 3.60 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-94 | 3.70 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-94 | 3.80 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-94 | 3.90 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-94 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-94 | 3.97 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-94 | 3.99 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-94 | 4.00 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-94 | 4.04 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-94 | 4.10 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-94 | 4.18 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-94 | 4.26 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-94 | 4.33 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-94 | 4.40 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-94 | 4.40 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-94 | 4.43 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-94 | 4.55 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-94 | 4.65 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-94 | 4.70 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-94 | 4.71 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-94 | 4.68 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-94 | 4.65 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-94 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-94 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-94 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-94 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-94 | 4.62 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-94 | 4.64 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-94 | 4.67 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-94 | 4.69 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-94 | 4.71 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-94 | 4.73 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-94 | 4.75 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-94 | 4.75 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-94 | 4.75 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-94 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-94 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-94 | 4.62 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-94 | 4.58 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-94 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-94 | 4.50 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-94 | 4.46 | 4.44 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-94 | 4.43 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-94 | 4.42 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-94 | 4.42 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-94 | 4.42 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-94 | 4.45 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-94 | 4.48 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-94 | 4.53 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-94 | 4.67 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-94 | 4.75 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-94 | 4.89 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-94 | 4.83 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-94 | 4.86 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-94 | 4.87 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-94 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-94 | 4.90 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-94 | 4.93 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-94 | 5.01 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-94 | 5.05 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-94 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-94 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-94 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-94 | 5.24 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-94 | 5.26 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-94 | 5.19 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-94 | 5.30 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-94 | 5.34 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-94 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-94 | 5.44 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-94 | 5.52 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-94 | 5.57 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-94 | 5.62 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-94 | 5.70 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-94 | 5.76 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-94 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-94 | 5.77 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-94 | 5.67 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-94 | 5.57 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-94 | 5.54 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-94 | 5.50 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-94 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-94 | 5.40 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-94 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-94 | 5.37 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-94 | 5.35 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-94 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-94 | 5.27 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-94 | 5.22 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-94 | 5.17 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-94 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-94 | 4.99 | 4.92 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-94 | 4.87 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-94 | 4.78 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-94 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-94 | 4.62 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-94 | 4.58 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-94 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-94 | 4.64 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-94 | 4.66 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-94 | 4.70 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-94 | 4.70 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-94 | 4.72 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-94 | 4.73 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-94 | 4.75 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-94 | 4.76 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-94 | 4.76 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-94 | 4.75 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-94 | 4.71 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-94 | 4.65 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-94 | 4.57 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-94 | 4.52 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-94 | 4.49 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-94 | 4.42 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-94 | 4.37 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-94 | 4.32 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-94 | 4.28 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-94 | 4.24 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-94 | 4.20 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-94 | 4.17 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-94 | 4.12 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-94 | 4.08 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-94 | 4.03 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-94 | 3.98 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-94 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-94 | 3.89 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-94 | 3.87 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-94 | 3.85 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-94 | 3.84 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-94 | 3.85 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-94 | 3.85 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-94 | 3.82 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-94 | 3.77 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-94 | 3.70 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-94 | 3.62 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-94 | 3.53 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-94 | 3.44 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-94 | 3.32 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-94 | 3.20 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-94 | 3.08 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-94 | 2.97 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-94 | 2.89 | 2.84 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-94 | 2.85 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-94 | 2.85 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-94 | 2.86 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-94 | 2.89 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-94 | 2.90 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-94 | 2.91 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-94 | 2.83 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-94 | 2.75 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-94 | 2.56 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-94 | 2.46 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-94 | 2.44 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-94 | 2.25 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-94 | 2.21 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-94 | 2.09 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-94 | 2.11 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-94 | 2.11 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-94 | 2.11 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-94 | 2.13 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-94 | 2.14 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-94 | 2.14 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-94 | 2.14 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-94 | 2.05 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-94 | 1.99 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-94 | 1.90 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-94 | 1.77 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-94 | 1.76 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-94 | 1.76 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-94 | 1.77 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-94 | 1.80 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-94 | 1.91 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-94 | 1.97 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-94 | 2.03 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-94 | 2.09 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-94 | 2.14 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-94 | 2.16 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-94 | 2.09 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-94 | 1.97 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-94 | 1.93 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-94 | 1.84 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-94 | 1.74 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-94 | 1.68 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-94 | 1.63 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-94 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-94 | 1.49 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-94 | 1.54 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-94 | 1.61 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-94 | 1.67 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-94 | 1.74 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-94 | 1.78 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-94 | 1.76 | 1.56 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-94 | 1.70 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-94 | 1.71 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-94 | 1.72 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-94 | 1.72 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-94 | 1.60 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-94 | 1.52 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-94 | 1.49 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-94 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-94 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-94 | 1.50 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-94 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-95 | 1.63 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-95 | 1.63 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-95 | 1.57 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-95 | 1.64 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-95 | 1.61 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-95 | 1.57 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-95 | 1.56 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-95 | 1.46 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-95 | 1.41 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-95 | 1.36 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-95 | 1.31 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-95 | 1.26 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-95 | 1.23 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-95 | 1.22 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-95 | 1.20 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-95 | 1.26 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-95 | 1.20 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-95 | 1.31 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-95 | 1.34 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-95 | 1.31 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-95 | 1.35 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-95 | 1.38 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-95 | 1.38 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-95 | 1.32 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-95 | 1.28 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-95 | 1.21 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-95 | 1.20 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-95 | 1.16 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-95 | 1.14 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-95 | 1.25 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-95 | 1.31 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-95 | 1.30 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-95 | 1.28 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-95 | 1.29 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-95 | 1.30 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-95 | 1.30 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-95 | 1.30 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-95 | 1.30 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-95 | 1.24 | 1.18 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-95 | 1.31 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-95 | 1.29 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-95 | 1.18 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-95 | 1.20 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-95 | 1.26 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-95 | 1.24 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-95 | 1.31 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-95 | 1.42 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-95 | 1.46 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-95 | 1.51 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-95 | 1.59 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-95 | 1.58 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-95 | 1.51 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-95 | 1.46 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-95 | 1.41 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-95 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-95 | 1.33 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-95 | 1.19 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-95 | 1.24 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-95 | 1.33 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-95 | 1.34 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-95 | 1.32 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-95 | 1.26 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-95 | 1.26 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-95 | 1.33 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-95 | 1.36 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-95 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-95 | 1.32 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-95 | 1.29 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-95 | 1.34 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-95 | 1.36 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-95 | 1.34 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-95 | 1.29 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-95 | 1.32 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-95 | 1.30 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-95 | 1.29 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-95 | 1.41 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-95 | 1.49 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-95 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-95 | 1.56 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-95 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-95 | 1.51 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-95 | 1.51 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-95 | 1.46 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-95 | 1.37 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-95 | 1.36 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-95 | 1.41 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-95 | 1.38 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-95 | 1.51 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-95 | 1.62 | 1.46 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-95 | 1.76 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-95 | 1.76 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-95 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-95 | 1.64 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-95 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-95 | 1.50 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-95 | 1.44 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-95 | 1.42 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-95 | 1.56 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-95 | 1.73 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-95 | 1.66 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-95 | 1.61 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-95 | 1.55 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-95 | 1.57 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-95 | 1.74 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-95 | 1.88 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-95 | 2.00 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-95 | 2.01 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-95 | 2.01 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-95 | 2.09 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-95 | 2.06 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-95 | 2.03 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-95 | 1.86 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-95 | 1.81 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-95 | 1.81 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-95 | 1.75 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-95 | 1.91 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-95 | 1.94 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-95 | 1.96 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-95 | 2.02 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-95 | 2.09 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-95 | 2.13 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-95 | 2.14 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-95 | 2.20 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-95 | 2.08 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-95 | 2.09 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-95 | 2.10 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-95 | 2.08 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-95 | 2.05 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-95 | 2.06 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-95 | 2.18 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-95 | 2.39 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-95 | 2.64 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-95 | 2.86 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-95 | 3.03 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-95 | 3.27 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-95 | 3.45 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-95 | 3.59 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-95 | 3.47 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-95 | 3.29 | 3.19 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-95 | 3.22 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-95 | 3.13 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-95 | 3.18 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-95 | 3.28 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-95 | 3.38 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-95 | 3.48 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-95 | 3.60 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-95 | 3.71 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-95 | 3.78 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-95 | 3.81 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-95 | 3.82 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-95 | 3.80 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-95 | 3.77 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-95 | 3.68 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-95 | 3.64 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-95 | 3.62 | 3.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-95 | 3.62 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-95 | 3.58 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-95 | 3.57 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-95 | 3.55 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-95 | 3.53 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-95 | 3.49 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-95 | 3.51 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-95 | 3.54 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-95 | 3.69 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-95 | 3.78 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-95 | 3.86 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-95 | 4.06 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-95 | 4.26 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-95 | 4.65 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-95 | 4.68 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-95 | 4.86 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-95 | 4.97 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-95 | 5.07 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-95 | 5.16 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-95 | 5.24 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-95 | 5.31 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-95 | 5.35 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-95 | 5.37 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-95 | 5.41 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-95 | 5.43 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-95 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-95 | 5.44 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-95 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-95 | 5.47 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-95 | 5.54 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-95 | 5.60 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-95 | 5.68 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-95 | 5.78 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-95 | 5.83 | 5.78 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-95 | 5.96 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-95 | 6.19 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-95 | 6.42 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-95 | 6.66 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-95 | 6.81 | 6.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-95 | 6.92 | 6.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-95 | 6.99 | 6.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-95 | 6.97 | 6.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-95 | 6.95 | 6.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-95 | 6.88 | 6.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-95 | 6.83 | 6.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-95 | 6.78 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-95 | 6.76 | 6.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-95 | 6.74 | 6.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-95 | 6.72 | 6.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-95 | 6.70 | 6.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-95 | 6.64 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-95 | 6.58 | 6.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-95 | 6.49 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-95 | 6.45 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-95 | 6.27 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-95 | 6.19 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-95 | 6.14 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-95 | 6.06 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-95 | 5.97 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-95 | 5.90 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-95 | 5.86 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-95 | 5.81 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-95 | 5.76 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-95 | 5.70 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-95 | 5.62 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-95 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-95 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-95 | 5.54 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-95 | 5.55 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-95 | 5.66 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-95 | 5.79 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-95 | 5.95 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-95 | 6.10 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-95 | 6.23 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-95 | 6.42 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-95 | 6.62 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-95 | 6.76 | 6.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-95 | 6.82 | 6.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-95 | 6.83 | 6.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-95 | 6.84 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-95 | 6.82 | 6.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-95 | 6.77 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-95 | 6.68 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-95 | 6.65 | 6.65 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-95 | 6.59 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-95 | 6.52 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-95 | 6.46 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-95 | 6.42 | 6.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-95 | 6.38 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-95 | 6.36 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-95 | 6.34 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-95 | 6.30 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-95 | 6.26 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-95 | 6.22 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-95 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-95 | 6.07 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-95 | 6.02 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-95 | 5.96 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-95 | 5.91 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-95 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-95 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-95 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-95 | 5.79 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-95 | 5.77 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-95 | 5.82 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-95 | 5.84 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-95 | 5.83 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-95 | 5.78 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-95 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-95 | 5.64 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-95 | 5.59 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-95 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-95 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-95 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-95 | 5.83 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-95 | 5.97 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-95 | 6.07 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-95 | 6.19 | 6.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-95 | 6.26 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-95 | 6.23 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-95 | 6.18 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-95 | 6.14 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-95 | 6.07 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-95 | 6.00 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-95 | 5.89 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-95 | 5.81 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-95 | 5.70 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-95 | 5.54 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-95 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-95 | 5.32 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-95 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-95 | 5.03 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-95 | 4.90 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-95 | 4.75 | 4.71 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-95 | 4.61 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-95 | 4.46 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-95 | 4.34 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-95 | 4.23 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-95 | 4.13 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-95 | 4.06 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-95 | 3.96 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-95 | 3.86 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-95 | 3.77 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-95 | 3.70 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-95 | 3.65 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-95 | 3.58 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-95 | 3.50 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-95 | 3.37 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-95 | 3.29 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-95 | 3.18 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-95 | 3.10 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-95 | 3.00 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-95 | 2.88 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-95 | 2.83 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-95 | 2.79 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-95 | 2.76 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-95 | 2.74 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-95 | 2.76 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-95 | 3.12 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-95 | 3.24 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-95 | 3.07 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-95 | 2.93 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-95 | 2.83 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-95 | 2.79 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-95 | 2.75 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-95 | 2.75 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-95 | 2.70 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-95 | 2.75 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-95 | 2.88 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-95 | 2.90 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-95 | 2.86 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-95 | 2.84 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-95 | 2.87 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-95 | 2.90 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-95 | 2.87 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-95 | 2.82 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-95 | 2.69 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-95 | 2.52 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-95 | 2.42 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-95 | 2.40 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-95 | 2.38 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-95 | 2.36 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-95 | 2.29 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-95 | 2.29 | 2.19 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-95 | 2.29 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-95 | 2.29 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-95 | 2.28 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-95 | 2.28 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-95 | 2.24 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-95 | 2.20 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-95 | 2.15 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-95 | 2.10 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-95 | 2.06 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-95 | 1.95 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-95 | 1.90 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-95 | 1.88 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-95 | 1.86 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-95 | 1.84 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-95 | 1.86 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-95 | 1.82 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-95 | 2.00 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-95 | 2.08 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-95 | 2.11 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-95 | 2.07 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-95 | 2.04 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-95 | 1.95 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-95 | 1.87 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-95 | 1.80 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-95 | 1.77 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-95 | 1.70 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-96 | 1.69 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-96 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-96 | 1.64 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-96 | 1.67 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-96 | 1.69 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-96 | 1.70 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-96 | 1.69 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-96 | 1.66 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-96 | 1.69 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-96 | 1.62 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-96 | 1.62 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-96 | 1.63 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-96 | 1.63 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-96 | 1.59 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-96 | 1.56 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-96 | 1.52 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-96 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-96 | 1.53 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-96 | 1.56 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-96 | 1.62 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-96 | 1.67 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-96 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-96 | 1.64 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-96 | 1.65 | 1.57 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-96 | 1.63 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-96 | 1.58 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-96 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-96 | 1.47 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-96 | 1.42 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-96 | 1.37 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-96 | 1.38 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-96 | 1.34 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-96 | 1.39 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-96 | 1.44 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-96 | 1.46 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-96 | 1.47 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-96 | 1.54 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-96 | 1.59 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-96 | 1.63 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-96 | 1.62 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-96 | 1.61 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-96 | 1.57 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-96 | 1.47 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-96 | 1.42 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-96 | 1.34 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-96 | 1.39 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-96 | 1.30 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-96 | 1.34 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-96 | 1.39 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-96 | 1.40 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-96 | 1.44 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-96 | 1.50 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-96 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-96 | 1.56 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-96 | 1.52 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-96 | 1.42 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-96 | 1.41 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-96 | 1.39 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-96 | 1.34 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-96 | 1.30 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-96 | 1.25 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-96 | 1.24 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-96 | 1.25 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-96 | 1.26 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-96 | 1.38 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-96 | 1.43 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-96 | 1.48 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-96 | 1.49 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-96 | 1.55 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-96 | 1.53 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-96 | 1.55 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-96 | 1.51 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-96 | 1.54 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-96 | 1.56 | 1.46 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-96 | 1.60 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-96 | 1.63 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-96 | 1.67 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-96 | 1.74 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-96 | 1.80 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-96 | 1.84 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-96 | 1.85 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-96 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-96 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-96 | 1.79 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-96 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-96 | 1.71 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-96 | 1.70 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-96 | 1.67 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-96 | 1.69 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-96 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-96 | 1.82 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-96 | 1.94 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-96 | 1.99 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-96 | 2.01 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-96 | 1.99 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-96 | 1.99 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-96 | 2.04 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-96 | 2.04 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-96 | 2.06 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-96 | 2.02 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-96 | 2.00 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-96 | 1.86 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-96 | 1.84 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-96 | 1.75 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-96 | 1.72 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-96 | 1.75 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-96 | 1.82 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-96 | 1.91 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-96 | 1.98 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-96 | 2.07 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-96 | 2.09 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-96 | 2.14 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-96 | 2.09 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-96 | 2.14 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-96 | 2.14 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-96 | 2.12 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-96 | 2.04 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-96 | 1.94 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-96 | 1.99 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-96 | 1.99 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-96 | 2.02 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-96 | 2.12 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-96 | 2.24 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-96 | 2.53 | 2.34 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-96 | 2.70 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-96 | 2.74 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-96 | 2.79 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-96 | 2.79 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-96 | 2.79 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-96 | 2.72 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-96 | 2.80 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-96 | 2.79 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-96 | 2.80 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-96 | 2.86 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-96 | 2.99 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-96 | 3.20 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-96 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-96 | 3.58 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-96 | 3.70 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-96 | 3.74 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-96 | 3.75 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-96 | 3.70 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-96 | 3.59 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-96 | 3.56 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-96 | 3.50 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-96 | 3.44 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-96 | 3.32 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-96 | 3.30 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-96 | 3.29 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-96 | 3.28 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-96 | 3.27 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-96 | 3.36 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-96 | 3.36 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-96 | 3.44 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-96 | 3.56 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-96 | 3.77 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-96 | 3.92 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-96 | 4.02 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-96 | 3.99 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-96 | 3.96 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-96 | 3.87 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-96 | 3.78 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-96 | 3.78 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-96 | 3.74 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-96 | 3.79 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-96 | 3.77 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-96 | 3.69 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-96 | 3.59 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-96 | 3.50 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-96 | 3.49 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-96 | 3.59 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-96 | 3.59 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-96 | 3.60 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-96 | 3.60 | 3.50 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-96 | 3.60 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-96 | 3.51 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-96 | 3.40 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-96 | 3.39 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-96 | 3.44 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-96 | 3.60 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-96 | 3.94 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-96 | 4.19 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-96 | 4.37 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-96 | 4.46 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-96 | 4.70 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-96 | 4.88 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-96 | 5.00 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-96 | 5.12 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-96 | 5.22 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-96 | 5.30 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-96 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-96 | 5.40 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-96 | 5.40 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-96 | 5.39 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-96 | 5.39 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-96 | 5.44 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-96 | 5.55 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-96 | 5.70 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-96 | 5.87 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-96 | 6.00 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-96 | 6.14 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-96 | 6.27 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-96 | 6.41 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-96 | 6.55 | 6.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-96 | 6.64 | 6.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-96 | 6.65 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-96 | 6.63 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-96 | 6.63 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-96 | 6.63 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-96 | 6.59 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-96 | 6.53 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-96 | 6.44 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-96 | 6.41 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-96 | 6.36 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-96 | 6.33 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-96 | 6.30 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-96 | 6.27 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-96 | 6.23 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-96 | 6.17 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-96 | 6.11 | 6.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-96 | 6.05 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-96 | 6.00 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-96 | 5.93 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-96 | 5.87 | 5.85 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-96 | 5.83 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-96 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-96 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-96 | 5.78 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-96 | 5.85 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-96 | 5.89 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-96 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-96 | 6.06 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-96 | 6.13 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-96 | 6.23 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-96 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-96 | 6.26 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-96 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-96 | 6.21 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-96 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-96 | 6.18 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-96 | 6.16 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-96 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-96 | 6.23 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-96 | 6.25 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-96 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-96 | 6.27 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-96 | 6.28 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-96 | 6.29 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-96 | 6.29 | 6.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-96 | 6.28 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-96 | 6.28 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-96 | 6.27 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-96 | 6.27 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-96 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-96 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-96 | 6.26 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-96 | 6.24 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-96 | 6.22 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-96 | 6.20 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-96 | 6.16 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-96 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-96 | 6.08 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-96 | 6.01 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-96 | 5.90 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-96 | 5.79 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-96 | 5.65 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-96 | 5.50 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-96 | 5.38 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-96 | 5.25 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-96 | 5.14 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-96 | 5.07 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-96 | 5.00 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-96 | 4.97 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-96 | 4.91 | 4.88 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-96 | 4.85 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-96 | 4.78 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-96 | 4.72 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-96 | 4.85 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-96 | 4.65 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-96 | 4.75 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-96 | 4.74 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-96 | 4.72 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-96 | 4.70 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-96 | 4.68 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-96 | 4.63 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-96 | 4.61 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-96 | 4.56 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-96 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-96 | 4.47 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-96 | 4.46 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-96 | 4.43 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-96 | 4.36 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-96 | 4.27 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-96 | 4.24 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-96 | 4.21 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-96 | 4.12 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-96 | 4.01 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-96 | 3.91 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-96 | 3.82 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-96 | 3.80 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-96 | 3.81 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-96 | 3.99 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-96 | 4.20 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-96 | 4.12 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-96 | 3.99 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-96 | 3.82 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-96 | 3.69 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-96 | 3.64 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-96 | 3.61 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-96 | 3.59 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-96 | 3.54 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-96 | 3.51 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-96 | 3.48 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-96 | 3.43 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-96 | 3.43 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-96 | 3.40 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-96 | 3.34 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-96 | 3.29 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-96 | 3.24 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-96 | 3.14 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-96 | 3.12 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-96 | 3.00 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-96 | 2.90 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-96 | 2.80 | 2.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-96 | 2.72 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-96 | 2.66 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-96 | 2.64 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-96 | 2.64 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-96 | 2.61 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-96 | 2.60 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-96 | 2.57 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-96 | 2.54 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-96 | 2.50 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-96 | 2.42 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-96 | 2.34 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-96 | 2.30 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-96 | 2.30 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-96 | 2.27 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-96 | 2.29 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-96 | 2.14 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-96 | 2.11 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-96 | 2.05 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-96 | 2.01 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-96 | 2.04 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-96 | 2.08 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-96 | 2.17 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-96 | 2.24 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-96 | 2.24 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-96 | 2.22 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-96 | 2.22 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-96 | 2.14 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-96 | 2.09 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-96 | 2.08 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-96 | 2.07 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-96 | 2.04 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-96 | 2.06 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-96 | 2.07 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-96 | 2.09 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-96 | 2.06 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-96 | 2.09 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-96 | 2.04 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-96 | 2.00 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-96 | 1.98 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-96 | 1.96 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-96 | 1.94 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-96 | 1.92 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-97 | 1.88 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-97 | 1.82 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-97 | 1.79 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-97 | 1.78 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-97 | 1.74 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-97 | 1.76 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-97 | 1.76 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-97 | 1.79 | 1.72 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-97 | 1.78 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-97 | 1.86 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-97 | 1.96 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-97 | 2.04 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-97 | 1.97 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-97 | 1.94 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-97 | 1.92 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-97 | 1.86 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-97 | 1.86 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-97 | 1.86 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-97 | 1.84 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-97 | 1.83 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-97 | 1.82 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-97 | 1.60 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-97 | 1.60 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-97 | 1.59 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-97 | 1.61 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-97 | 1.56 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-97 | 1.55 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-97 | 1.52 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-97 | 1.50 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-97 | 1.54 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-97 | 1.52 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-97 | 1.59 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-97 | 1.60 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-97 | 1.50 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-97 | 1.49 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-97 | 1.49 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-97 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-97 | 1.56 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-97 | 1.50 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-97 | 1.49 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-97 | 1.48 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-97 | 1.50 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-97 | 1.49 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-97 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-97 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-97 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-97 | 1.62 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-97 | 1.59 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-97 | 1.57 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-97 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-97 | 1.52 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-97 | 1.50 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-97 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-97 | 1.56 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-97 | 1.59 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-97 | 1.61 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-97 | 1.60 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-97 | 1.61 | 1.55 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-97 | 1.59 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-97 | 1.49 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-97 | 1.48 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-97 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-97 | 1.44 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-97 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-97 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-97 | 1.45 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-97 | 1.52 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-97 | 1.62 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-97 | 1.64 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-97 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-97 | 1.54 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-97 | 1.52 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-97 | 1.56 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-97 | 1.54 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-97 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-97 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-97 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-97 | 1.44 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-97 | 1.44 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-97 | 1.54 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-97 | 1.59 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-97 | 1.64 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-97 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-97 | 1.69 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-97 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-97 | 1.75 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-97 | 1.76 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-97 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-97 | 1.62 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-97 | 1.62 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-97 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-97 | 1.73 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-97 | 1.72 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-97 | 1.69 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-97 | 1.70 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-97 | 1.79 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-97 | 1.80 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-97 | 1.81 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-97 | 1.82 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-97 | 1.82 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-97 | 1.72 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-97 | 1.70 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-97 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-97 | 1.71 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-97 | 1.65 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-97 | 1.64 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-97 | 1.66 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-97 | 1.74 | 1.68 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-97 | 1.76 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-97 | 1.79 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-97 | 1.74 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-97 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-97 | 1.74 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-97 | 1.76 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-97 | 1.84 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-97 | 1.89 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-97 | 1.92 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-97 | 1.94 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-97 | 1.94 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-97 | 1.89 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-97 | 1.69 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-97 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-97 | 1.74 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-97 | 1.82 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-97 | 1.86 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-97 | 1.89 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-97 | 1.90 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-97 | 1.89 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-97 | 1.90 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-97 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-97 | 1.84 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-97 | 1.89 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-97 | 1.92 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-97 | 1.99 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-97 | 1.99 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-97 | 2.04 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-97 | 2.14 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-97 | 2.26 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-97 | 2.39 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-97 | 2.51 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-97 | 2.62 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-97 | 2.70 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-97 | 2.90 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-97 | 2.92 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-97 | 2.91 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-97 | 2.91 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-97 | 2.94 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-97 | 3.03 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-97 | 3.12 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-97 | 3.05 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-97 | 3.06 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-97 | 3.04 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-97 | 3.02 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-97 | 3.08 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-97 | 3.10 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-97 | 3.10 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-97 | 3.16 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-97 | 3.20 | 3.08 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-97 | 3.24 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-97 | 3.25 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-97 | 3.30 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-97 | 3.30 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-97 | 3.30 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-97 | 3.40 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-97 | 3.45 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-97 | 3.50 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-97 | 3.54 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-97 | 3.60 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-97 | 3.65 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-97 | 3.96 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-97 | 4.06 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-97 | 4.11 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-97 | 4.14 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-97 | 4.18 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-97 | 4.26 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-97 | 4.19 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-97 | 4.26 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-97 | 4.17 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-97 | 4.16 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-97 | 4.19 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-97 | 4.18 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-97 | 4.19 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-97 | 4.24 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-97 | 4.34 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-97 | 4.39 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-97 | 4.51 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-97 | 4.68 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-97 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-97 | 4.89 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-97 | 5.01 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-97 | 5.10 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-97 | 5.22 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-97 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-97 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-97 | 5.52 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-97 | 5.61 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-97 | 5.75 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-97 | 5.86 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-97 | 5.95 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-97 | 6.04 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-97 | 6.10 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-97 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-97 | 6.10 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-97 | 6.09 | 6.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-97 | 6.03 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-97 | 5.94 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-97 | 5.84 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-97 | 5.75 | 5.71 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-97 | 5.63 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-97 | 5.55 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-97 | 5.44 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-97 | 5.38 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-97 | 5.38 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-97 | 5.32 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-97 | 5.26 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-97 | 5.26 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-97 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-97 | 5.39 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-97 | 5.47 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-97 | 5.54 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-97 | 5.63 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-97 | 5.70 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-97 | 5.78 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-97 | 5.78 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-97 | 5.76 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-97 | 5.68 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-97 | 5.60 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-97 | 5.63 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-97 | 5.69 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-97 | 5.73 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-97 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-97 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-97 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-97 | 5.88 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-97 | 5.87 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-97 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-97 | 5.78 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-97 | 5.70 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-97 | 5.60 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-97 | 5.53 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-97 | 5.46 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-97 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-97 | 5.32 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-97 | 5.26 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-97 | 5.17 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-97 | 5.09 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-97 | 5.07 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-97 | 5.00 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-97 | 5.05 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-97 | 5.08 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-97 | 5.16 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-97 | 5.19 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-97 | 5.19 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-97 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-97 | 5.09 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-97 | 5.01 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-97 | 4.91 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-97 | 4.91 | 4.91 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-97 | 4.93 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-97 | 4.97 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-97 | 5.06 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-97 | 5.11 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-97 | 5.17 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-97 | 5.24 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-97 | 5.36 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-97 | 5.44 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-97 | 5.51 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-97 | 5.53 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-97 | 5.56 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-97 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-97 | 5.58 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-97 | 5.54 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-97 | 5.45 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-97 | 5.37 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-97 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-97 | 5.20 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-97 | 5.12 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-97 | 5.14 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-97 | 5.18 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-97 | 5.15 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-97 | 5.12 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-97 | 5.10 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-97 | 5.05 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-97 | 5.02 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-97 | 4.96 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-97 | 4.89 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-97 | 4.85 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-97 | 4.86 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-97 | 4.84 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-97 | 4.82 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-97 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-97 | 4.68 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-97 | 4.55 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-97 | 4.49 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-97 | 4.49 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-97 | 4.33 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-97 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-97 | 4.24 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-97 | 4.26 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-97 | 4.20 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-97 | 4.14 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-97 | 4.10 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-97 | 4.06 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-97 | 3.98 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-97 | 3.80 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-97 | 3.60 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-97 | 3.25 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-97 | 3.04 | 3.00 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-97 | 2.85 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-97 | 2.66 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-97 | 2.55 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-97 | 2.53 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-97 | 2.57 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-97 | 2.55 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-97 | 2.51 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-97 | 2.50 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-97 | 2.53 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-97 | 2.53 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-97 | 2.53 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-97 | 2.45 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-97 | 2.40 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-97 | 2.35 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-97 | 2.38 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-97 | 2.19 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-97 | 2.10 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-97 | 2.01 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-97 | 1.92 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-97 | 1.88 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-97 | 1.86 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-97 | 1.85 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-97 | 1.90 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-97 | 1.91 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-97 | 1.92 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-97 | 1.91 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-97 | 1.92 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-97 | 1.95 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-97 | 1.91 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-97 | 1.90 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-97 | 1.88 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-97 | 1.83 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-97 | 1.78 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-97 | 1.80 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-97 | 1.80 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-97 | 1.82 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-97 | 1.80 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-97 | 1.85 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-97 | 1.83 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-97 | 1.85 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-97 | 1.82 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-97 | 1.80 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-97 | 1.80 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-97 | 1.80 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-97 | 1.79 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-97 | 1.76 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-97 | 1.72 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-97 | 1.68 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-97 | 1.64 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-97 | 1.63 | 1.59 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-97 | 1.62 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-97 | 1.69 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-97 | 1.65 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-97 | 1.69 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-97 | 1.74 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-97 | 1.75 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-97 | 1.76 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-98 | 1.79 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-98 | 1.76 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-98 | 1.76 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-98 | 1.67 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-98 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-98 | 1.60 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-98 | 1.63 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-98 | 1.56 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-98 | 1.50 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-98 | 1.54 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-98 | 1.53 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-98 | 1.62 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-98 | 1.68 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-98 | 1.76 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-98 | 1.75 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-98 | 1.76 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-98 | 1.75 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-98 | 1.71 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-98 | 1.66 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-98 | 1.60 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-98 | 1.50 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-98 | 1.50 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-98 | 1.44 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-98 | 1.42 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-98 | 1.44 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-98 | 1.45 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-98 | 1.46 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-98 | 1.54 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-98 | 1.56 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-98 | 1.55 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-98 | 1.54 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-98 | 1.56 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-98 | 1.58 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-98 | 1.57 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-98 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-98 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-98 | 1.46 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-98 | 1.38 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-98 | 1.36 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-98 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-98 | 1.43 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-98 | 1.45 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-98 | 1.46 | 1.37 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-98 | 1.48 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-98 | 1.51 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-98 | 1.52 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-98 | 1.53 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-98 | 1.52 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-98 | 1.50 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-98 | 1.46 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-98 | 1.40 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-98 | 1.36 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-98 | 1.32 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-98 | 1.28 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-98 | 1.30 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-98 | 1.44 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-98 | 1.47 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-98 | 1.57 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-98 | 1.66 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-98 | 1.68 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-98 | 1.70 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-98 | 1.72 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-98 | 1.73 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-98 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-98 | 1.67 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-98 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-98 | 1.60 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-98 | 1.58 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-98 | 1.60 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-98 | 1.58 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-98 | 1.55 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-98 | 1.58 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-98 | 1.55 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-98 | 1.58 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-98 | 1.50 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-98 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-98 | 1.38 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-98 | 1.32 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-98 | 1.33 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-98 | 1.33 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-98 | 1.33 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-98 | 1.35 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-98 | 1.48 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-98 | 1.68 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-98 | 1.72 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-98 | 1.78 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-98 | 1.85 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-98 | 1.94 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-98 | 1.96 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-98 | 1.97 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-98 | 1.95 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-98 | 1.85 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-98 | 1.85 | 1.71 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-98 | 1.76 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-98 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-98 | 1.66 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-98 | 1.65 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-98 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-98 | 1.66 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-98 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-98 | 1.74 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-98 | 1.78 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-98 | 1.80 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-98 | 1.80 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-98 | 1.82 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-98 | 1.85 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-98 | 1.82 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-98 | 1.80 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-98 | 1.83 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-98 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-98 | 1.96 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-98 | 2.05 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-98 | 2.28 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-98 | 2.38 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-98 | 2.40 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-98 | 2.45 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-98 | 2.48 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-98 | 2.53 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-98 | 2.50 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-98 | 2.42 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-98 | 2.36 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-98 | 2.29 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-98 | 2.17 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-98 | 2.14 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-98 | 2.05 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-98 | 2.04 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-98 | 2.15 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-98 | 2.19 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-98 | 2.25 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-98 | 2.30 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-98 | 2.26 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-98 | 2.26 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-98 | 2.29 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-98 | 2.28 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-98 | 2.30 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-98 | 2.36 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-98 | 2.38 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-98 | 2.44 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-98 | 2.51 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-98 | 2.63 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-98 | 2.62 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-98 | 2.61 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-98 | 2.60 | 2.51 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-98 | 2.65 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-98 | 2.68 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-98 | 2.70 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-98 | 2.72 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-98 | 2.79 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-98 | 2.80 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-98 | 2.88 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-98 | 2.97 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-98 | 3.05 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-98 | 3.07 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-98 | 3.07 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-98 | 2.91 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-98 | 2.87 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-98 | 2.94 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-98 | 3.04 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-98 | 3.15 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-98 | 3.29 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-98 | 3.45 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-98 | 3.59 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-98 | 3.69 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-98 | 3.85 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-98 | 4.05 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-98 | 4.09 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-98 | 4.14 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-98 | 4.23 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-98 | 4.21 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-98 | 4.16 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-98 | 4.13 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-98 | 4.15 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-98 | 4.22 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-98 | 4.27 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-98 | 4.34 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-98 | 4.41 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-98 | 4.42 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-98 | 4.45 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-98 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-98 | 4.48 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-98 | 4.52 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-98 | 7.45 | 7.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-98 | 7.45 | 7.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-98 | 7.47 | 7.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-98 | 7.51 | 7.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-98 | 7.57 | 7.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-98 | 7.65 | 7.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-98 | 7.70 | 7.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-98 | 7.76 | 7.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-98 | 7.78 | 7.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-98 | 7.78 | 7.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-98 | 7.76 | 7.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-98 | 7.76 | 7.66 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-98 | 7.54 | 7.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-98 | 7.56 | 7.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-98 | 7.38 | 7.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-98 | 7.27 | 7.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-98 | 7.14 | 7.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-98 | 6.97 | 6.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-98 | 6.80 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-98 | 6.63 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-98 | 6.48 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-98 | 6.36 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-98 | 6.23 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-98 | 6.08 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-98 | 5.94 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-98 | 5.78 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-98 | 5.50 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-98 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-98 | 5.28 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-98 | 5.12 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-98 | 5.03 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-98 | 4.96 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-98 | 4.88 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-98 | 4.82 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-98 | 4.71 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-98 | 4.66 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-98 | 4.61 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-98 | 4.53 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-98 | 4.42 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-98 | 4.30 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-98 | 4.22 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-98 | 4.12 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-98 | 4.03 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-98 | 3.94 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-98 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-98 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-98 | 3.81 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-98 | 3.76 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-98 | 3.77 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-98 | 3.79 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-98 | 3.83 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-98 | 3.84 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-98 | 3.84 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-98 | 3.92 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-98 | 3.90 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-98 | 3.89 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-98 | 3.99 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-98 | 4.07 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-98 | 4.13 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-98 | 4.20 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-98 | 4.15 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-98 | 4.10 | 4.06 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-98 | 3.99 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-98 | 3.89 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-98 | 3.82 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-98 | 3.80 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-98 | 3.76 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-98 | 3.67 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-98 | 3.53 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-98 | 3.37 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-98 | 3.23 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-98 | 3.13 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-98 | 3.01 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-98 | 2.89 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-98 | 2.80 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-98 | 2.80 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-98 | 2.86 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-98 | 2.90 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-98 | 2.92 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-98 | 2.89 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-98 | 2.92 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-98 | 2.86 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-98 | 2.90 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-98 | 3.09 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-98 | 2.90 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-98 | 2.79 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-98 | 2.74 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-98 | 2.59 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-98 | 2.52 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-98 | 2.50 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-98 | 2.54 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-98 | 2.56 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-98 | 2.54 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-98 | 2.52 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-98 | 2.52 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-98 | 2.59 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-98 | 2.59 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-98 | 2.50 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-98 | 2.44 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-98 | 2.40 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-98 | 2.27 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-98 | 2.18 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-98 | 2.08 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-98 | 2.00 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-98 | 1.96 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-98 | 2.00 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-98 | 2.04 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-98 | 2.07 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-98 | 2.12 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-98 | 2.16 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-98 | 2.15 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-98 | 2.12 | 1.97 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-98 | 2.12 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-98 | 2.10 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-98 | 2.05 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-98 | 2.01 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-98 | 1.93 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-98 | 1.93 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-98 | 1.84 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-98 | 1.79 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-98 | 1.88 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-98 | 2.00 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-99 | 1.94 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-99 | 2.00 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-99 | 2.01 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-99 | 2.07 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-99 | 1.93 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-99 | 2.03 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-99 | 1.98 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-99 | 2.03 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-99 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-99 | 1.78 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-99 | 1.63 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-99 | 1.62 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-99 | 1.56 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-99 | 1.54 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-99 | 1.51 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-99 | 1.39 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-99 | 1.34 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-99 | 1.44 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-99 | 1.70 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-99 | 1.64 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-99 | 1.73 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-99 | 1.73 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-99 | 1.68 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-99 | 1.63 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-99 | 1.48 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-99 | 1.59 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-99 | 1.53 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-99 | 1.45 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-99 | 1.49 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-99 | 1.57 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-99 | 1.64 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-99 | 1.64 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-99 | 1.62 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-99 | 1.65 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-99 | 1.66 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-99 | 1.64 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-99 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-99 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-99 | 1.56 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-99 | 1.62 | 1.44 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-99 | 1.59 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-99 | 1.57 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-99 | 1.52 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-99 | 1.52 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-99 | 1.50 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-99 | 1.50 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-99 | 1.49 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-99 | 1.50 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-99 | 1.42 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-99 | 1.39 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-99 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-99 | 1.42 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-99 | 1.44 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-99 | 1.45 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-99 | 1.42 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-99 | 1.40 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-99 | 1.37 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-99 | 1.38 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-99 | 1.38 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-99 | 1.40 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-99 | 1.42 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-99 | 1.49 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-99 | 1.46 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-99 | 1.49 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-99 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-99 | 1.44 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-99 | 1.46 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-99 | 1.49 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-99 | 1.50 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-99 | 1.50 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-99 | 1.49 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-99 | 1.44 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-99 | 1.44 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-99 | 1.42 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-99 | 1.50 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-99 | 1.50 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-99 | 1.60 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-99 | 1.69 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-99 | 1.78 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-99 | 1.79 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-99 | 1.65 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-99 | 1.59 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-99 | 1.51 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-99 | 1.50 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-99 | 1.49 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-99 | 1.48 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-99 | 1.47 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-99 | 1.50 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-99 | 1.50 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-99 | 1.52 | 1.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-99 | 1.56 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-99 | 1.61 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-99 | 1.64 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-99 | 1.66 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-99 | 1.65 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-99 | 1.64 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-99 | 1.64 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-99 | 1.65 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-99 | 1.57 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-99 | 1.42 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-99 | 1.47 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-99 | 1.52 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-99 | 1.50 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-99 | 1.74 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-99 | 1.79 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-99 | 1.99 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-99 | 2.14 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-99 | 2.24 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-99 | 2.26 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-99 | 2.24 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-99 | 2.14 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-99 | 2.02 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-99 | 1.94 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-99 | 1.90 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-99 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-99 | 1.92 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-99 | 1.97 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-99 | 2.07 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-99 | 2.14 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-99 | 2.24 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-99 | 2.44 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-99 | 2.40 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-99 | 2.44 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-99 | 2.47 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-99 | 2.49 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-99 | 2.50 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-99 | 2.52 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-99 | 2.54 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-99 | 2.54 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-99 | 2.57 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-99 | 2.54 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-99 | 2.57 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-99 | 2.59 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-99 | 2.60 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-99 | 2.64 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-99 | 2.70 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-99 | 2.74 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-99 | 2.91 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-99 | 2.83 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-99 | 2.77 | 2.70 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-99 | 2.75 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-99 | 2.77 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-99 | 2.69 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-99 | 2.65 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-99 | 2.57 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-99 | 2.54 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-99 | 2.63 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-99 | 2.84 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-99 | 2.89 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-99 | 2.93 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-99 | 3.02 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-99 | 5.36 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-99 | 5.46 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-99 | 5.51 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-99 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-99 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-99 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-99 | 5.75 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-99 | 5.79 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-99 | 5.83 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-99 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-99 | 5.88 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-99 | 5.98 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-99 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-99 | 5.87 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-99 | 5.85 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-99 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-99 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-99 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-99 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-99 | 5.80 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-99 | 5.77 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-99 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-99 | 5.71 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-99 | 5.71 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-99 | 5.72 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-99 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-99 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-99 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-99 | 5.62 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-99 | 5.65 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-99 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-99 | 5.69 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-99 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-99 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-99 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-99 | 5.77 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-99 | 5.51 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-99 | 5.51 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-99 | 5.45 | 5.44 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-99 | 5.39 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-99 | 5.42 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-99 | 5.48 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-99 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-99 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-99 | 5.66 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-99 | 5.71 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-99 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-99 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-99 | 5.87 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-99 | 5.87 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-99 | 5.91 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-99 | 5.93 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-99 | 5.99 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-99 | 6.07 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-99 | 6.27 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-99 | 6.32 | 6.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-99 | 6.42 | 6.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-99 | 6.51 | 6.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-99 | 6.55 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-99 | 6.57 | 6.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-99 | 6.57 | 6.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-99 | 6.55 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-99 | 6.51 | 6.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-99 | 6.45 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-99 | 6.39 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-99 | 6.24 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-99 | 6.23 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-99 | 6.22 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-99 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-99 | 6.24 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-99 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-99 | 6.22 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-99 | 6.14 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-99 | 6.08 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-99 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-99 | 5.96 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-99 | 5.93 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-99 | 5.87 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-99 | 5.79 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-99 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-99 | 5.80 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-99 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-99 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-99 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-99 | 5.62 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-99 | 5.62 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-99 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-99 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-99 | 5.53 | 5.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-99 | 5.48 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-99 | 5.42 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-99 | 5.38 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-99 | 5.34 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-99 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-99 | 5.20 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-99 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-99 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-99 | 4.90 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-99 | 4.84 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-99 | 4.78 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-99 | 4.73 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-99 | 4.75 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-99 | 4.74 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-99 | 4.69 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-99 | 4.64 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-99 | 4.78 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-99 | 4.88 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-99 | 4.90 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-99 | 4.82 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-99 | 4.77 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-99 | 4.78 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-99 | 4.79 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-99 | 4.77 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-99 | 4.77 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-99 | 4.74 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-99 | 4.72 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-99 | 4.69 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-99 | 4.64 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-99 | 4.64 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-99 | 5.89 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-99 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-99 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-99 | 5.58 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-99 | 5.49 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-99 | 5.39 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-99 | 5.24 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-99 | 5.11 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-99 | 4.99 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-99 | 4.90 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-99 | 4.79 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-99 | 4.71 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-99 | 4.63 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-99 | 4.59 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-99 | 4.57 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-99 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-99 | 4.45 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-99 | 4.36 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-99 | 4.30 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-99 | 4.31 | 4.29 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-99 | 4.40 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-99 | 4.35 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-99 | 4.41 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-99 | 4.48 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-99 | 4.42 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-99 | 4.46 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-99 | 4.52 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-99 | 4.20 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-99 | 4.07 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-99 | 3.98 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-99 | 3.87 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-99 | 3.78 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-99 | 3.75 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-99 | 3.85 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-99 | 3.87 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-99 | 3.87 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-99 | 3.86 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-99 | 3.83 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-99 | 3.89 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-99 | 3.87 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-99 | 3.80 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-99 | 3.92 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-99 | 3.82 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-99 | 3.80 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-99 | 3.69 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-99 | 3.64 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-99 | 3.59 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-99 | 3.56 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-99 | 3.52 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-99 | 3.56 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-99 | 3.72 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-99 | 3.77 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-99 | 3.87 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-99 | 3.77 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-99 | 3.72 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-99 | 3.70 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-99 | 3.72 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-99 | 3.73 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-99 | 3.75 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-99 | 3.67 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-99 | 3.39 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-00 | 3.40 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-00 | 3.38 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-00 | 3.39 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-00 | 3.38 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-00 | 3.37 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-00 | 3.38 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-00 | 3.36 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-00 | 3.38 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-00 | 3.48 | 3.30 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-00 | 3.39 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-00 | 3.44 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-00 | 3.42 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-00 | 3.39 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-00 | 3.36 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-00 | 3.34 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-00 | 3.32 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-00 | 3.31 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-00 | 3.32 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-00 | 3.28 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-00 | 3.24 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-00 | 3.32 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-00 | 3.30 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-00 | 3.34 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-00 | 3.50 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-00 | 3.37 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-00 | 3.35 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-00 | 3.32 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-00 | 3.23 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-00 | 3.20 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-00 | 3.17 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-00 | 3.12 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-00 | 3.08 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-00 | 3.03 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-00 | 3.03 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-00 | 3.07 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-00 | 3.14 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-00 | 3.28 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-00 | 3.39 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-00 | 3.31 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-00 | 3.28 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-00 | 3.24 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-00 | 3.24 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-00 | 3.22 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-00 | 3.20 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-00 | 3.14 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-00 | 3.06 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-00 | 3.00 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-00 | 3.02 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-00 | 3.10 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-00 | 3.32 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-00 | 3.32 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-00 | 3.35 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-00 | 3.37 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-00 | 3.27 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-00 | 3.21 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-00 | 3.15 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-00 | 3.12 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-00 | 3.07 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-00 | 3.00 | 2.98 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-00 | 2.95 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-00 | 2.92 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-00 | 2.95 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-00 | 2.95 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-00 | 3.04 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-00 | 3.11 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-00 | 3.30 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-00 | 3.47 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-00 | 3.39 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-00 | 3.47 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-00 | 3.52 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-00 | 3.50 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-00 | 3.46 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-00 | 3.49 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-00 | 3.52 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-00 | 3.54 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-00 | 3.38 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-00 | 3.27 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-00 | 3.27 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-00 | 3.50 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-00 | 3.46 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-00 | 3.52 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-00 | 3.49 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-00 | 3.45 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-00 | 3.40 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-00 | 3.31 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-00 | 3.20 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-00 | 3.14 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-00 | 3.10 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-00 | 3.08 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-00 | 3.06 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-00 | 3.09 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-00 | 3.17 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-00 | 3.30 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-00 | 3.37 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-00 | 3.44 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-00 | 3.56 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-00 | 3.65 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-00 | 3.67 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-00 | 3.87 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-00 | 3.80 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-00 | 3.80 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-00 | 3.70 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-00 | 3.61 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-00 | 3.62 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-00 | 3.56 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-00 | 3.56 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-00 | 3.64 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-00 | 3.66 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-00 | 3.74 | 3.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-00 | 3.94 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-00 | 3.97 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-00 | 4.02 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-00 | 3.97 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-00 | 3.92 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-00 | 3.95 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-00 | 3.94 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-00 | 3.92 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-00 | 3.90 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-00 | 3.94 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-00 | 3.97 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-00 | 4.12 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-00 | 4.27 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-00 | 4.32 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-00 | 4.36 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-00 | 4.37 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-00 | 4.52 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-00 | 4.52 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-00 | 4.55 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-00 | 4.66 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-00 | 4.62 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-00 | 4.56 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-00 | 4.47 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-00 | 4.36 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-00 | 4.33 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-00 | 4.27 | 4.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-00 | 4.29 | 4.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-00 | 4.25 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-00 | 4.32 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-00 | 4.48 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-00 | 4.49 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-00 | 4.62 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-00 | 4.65 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-00 | 4.63 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-00 | 4.61 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-00 | 4.67 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-00 | 4.70 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-00 | 4.71 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-00 | 4.85 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-00 | 4.95 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-00 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-00 | 4.90 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-00 | 5.01 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-00 | 5.13 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-00 | 5.24 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-00 | 5.37 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-00 | 5.55 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-00 | 5.68 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-00 | 5.85 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-00 | 5.84 | 5.78 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-00 | 5.79 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-00 | 5.68 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-00 | 5.57 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-00 | 5.55 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-00 | 5.56 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-00 | 5.57 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-00 | 5.67 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-00 | 5.87 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-00 | 6.17 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-00 | 6.39 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-00 | 6.52 | 6.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-00 | 6.67 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-00 | 6.65 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-00 | 6.65 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-00 | 6.64 | 6.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-00 | 6.57 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-00 | 6.65 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-00 | 6.76 | 6.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-00 | 6.87 | 6.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-00 | 6.95 | 6.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-00 | 7.08 | 7.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-00 | 7.16 | 7.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-00 | 7.30 | 7.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-00 | 6.45 | 6.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-00 | 6.48 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-00 | 6.47 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-00 | 6.43 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-00 | 6.40 | 6.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-00 | 6.37 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-00 | 6.35 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-00 | 6.31 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-00 | 6.33 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-00 | 6.32 | 6.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-00 | 6.28 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-00 | 6.25 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-00 | 6.26 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-00 | 6.29 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-00 | 6.27 | 6.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-00 | 6.25 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-00 | 6.27 | 6.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-00 | 6.32 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-00 | 6.39 | 6.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-00 | 6.44 | 6.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-00 | 6.46 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-00 | 6.45 | 6.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-00 | 6.42 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-00 | 6.37 | 6.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-00 | 6.33 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-00 | 6.23 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-00 | 6.18 | 6.15 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-00 | 6.13 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-00 | 6.11 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-00 | 6.15 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-00 | 6.20 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-00 | 6.37 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-00 | 6.47 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-00 | 6.59 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-00 | 6.64 | 6.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-00 | 6.72 | 6.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-00 | 6.79 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-00 | 6.92 | 6.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-00 | 7.10 | 7.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-00 | 7.24 | 7.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-00 | 7.32 | 7.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-00 | 7.37 | 7.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-00 | 7.41 | 7.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-00 | 7.40 | 7.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-00 | 7.34 | 7.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-00 | 7.29 | 7.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-00 | 7.23 | 7.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-00 | 7.19 | 7.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-00 | 7.15 | 7.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-00 | 7.13 | 7.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-00 | 7.11 | 7.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-00 | 7.06 | 7.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-00 | 7.01 | 7.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-00 | 6.97 | 6.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-00 | 6.94 | 6.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-00 | 6.90 | 6.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-00 | 6.91 | 6.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-00 | 6.90 | 6.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-00 | 6.87 | 6.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-00 | 6.86 | 6.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-00 | 6.83 | 6.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-00 | 6.91 | 6.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-00 | 6.98 | 6.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-00 | 6.87 | 6.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-00 | 6.84 | 6.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-00 | 6.83 | 6.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-00 | 6.79 | 6.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-00 | 6.77 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-00 | 6.75 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-00 | 6.10 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-00 | 6.12 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-00 | 6.16 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-00 | 6.19 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-00 | 6.22 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-00 | 6.25 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-00 | 6.30 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-00 | 6.35 | 6.32 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-00 | 6.39 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-00 | 6.42 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-00 | 6.47 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-00 | 6.58 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-00 | 6.65 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-00 | 6.70 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-00 | 6.73 | 6.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-00 | 6.75 | 6.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-00 | 6.76 | 6.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-00 | 6.73 | 6.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-00 | 6.69 | 6.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-00 | 6.66 | 6.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-00 | 6.61 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-00 | 6.54 | 6.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-00 | 6.43 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-00 | 6.35 | 6.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-00 | 6.26 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-00 | 6.15 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-00 | 6.07 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-00 | 5.94 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-00 | 5.80 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-00 | 5.63 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-00 | 5.48 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-00 | 5.33 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-00 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-00 | 5.02 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-00 | 4.88 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-00 | 4.75 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-00 | 4.60 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-00 | 4.50 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-00 | 4.35 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-00 | 4.25 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-00 | 4.21 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-00 | 4.06 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-00 | 3.94 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-00 | 3.80 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-00 | 3.70 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-00 | 3.58 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-00 | 3.51 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-00 | 3.46 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-00 | 3.34 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-00 | 3.47 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-00 | 4.15 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-00 | 4.10 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-00 | 3.94 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-00 | 3.70 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-00 | 3.54 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-00 | 3.39 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-00 | 3.25 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-00 | 3.10 | 3.07 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-00 | 2.98 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-00 | 2.89 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-00 | 2.83 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-00 | 2.81 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-00 | 2.81 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-00 | 2.82 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-00 | 2.81 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-00 | 2.94 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-00 | 3.00 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-00 | 3.02 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-00 | 2.94 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-00 | 2.74 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-00 | 2.70 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-00 | 2.60 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-00 | 2.55 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-00 | 2.48 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-00 | 2.48 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-00 | 2.46 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-00 | 2.44 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-00 | 2.43 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-00 | 2.48 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-00 | 2.51 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-00 | 2.39 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-00 | 2.36 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-00 | 2.34 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-00 | 2.35 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-00 | 2.27 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-00 | 2.24 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-00 | 2.13 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-00 | 2.05 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-00 | 2.06 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-00 | 2.09 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-00 | 2.12 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-00 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-00 | 2.15 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-00 | 2.23 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-00 | 2.28 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-00 | 2.33 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-00 | 2.29 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-00 | 2.24 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-00 | 2.22 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-00 | 2.20 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-00 | 2.16 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-00 | 2.12 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-00 | 2.08 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-00 | 2.05 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-00 | 2.02 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-00 | 1.98 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-00 | 1.98 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-00 | 1.99 | 1.95 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-00 | 2.10 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-00 | 2.15 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-00 | 2.06 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-00 | 2.05 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-00 | 1.96 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-00 | 1.94 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-00 | 1.91 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-01 | 1.92 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-01 | 1.87 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-01 | 1.85 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-01 | 1.83 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-01 | 1.78 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-01 | 1.71 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-01 | 1.67 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-01 | 1.70 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-01 | 1.76 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-01 | 1.86 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-01 | 1.91 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-01 | 1.93 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-01 | 1.97 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-01 | 1.95 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-01 | 1.89 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-01 | 1.83 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-01 | 1.76 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-01 | 1.72 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-01 | 1.70 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-01 | 1.68 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-01 | 1.66 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-01 | 1.64 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-01 | 1.63 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-01 | 1.66 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-01 | 1.72 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-01 | 1.78 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-01 | 1.76 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-01 | 1.75 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-01 | 1.73 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-01 | 1.71 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-01 | 1.71 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-01 | 1.70 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-01 | 1.68 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-01 | 1.67 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-01 | 1.66 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-01 | 1.63 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-01 | 1.59 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-01 | 1.72 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-01 | 1.71 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-01 | 1.75 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-01 | 1.82 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-01 | 1.90 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-01 | 1.90 | 1.80 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-01 | 1.77 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-01 | 1.71 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-01 | 1.67 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-01 | 1.62 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-01 | 1.54 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-01 | 1.52 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-01 | 1.51 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-01 | 1.54 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-01 | 1.60 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-01 | 1.61 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-01 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-01 | 1.78 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-01 | 1.82 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-01 | 1.86 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-01 | 1.92 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-01 | 1.94 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-01 | 1.80 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-01 | 1.68 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-01 | 1.67 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-01 | 1.65 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-01 | 1.54 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-01 | 1.52 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-01 | 1.56 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-01 | 1.59 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-01 | 1.63 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-01 | 1.65 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-01 | 1.71 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-01 | 1.83 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-01 | 1.90 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-01 | 1.88 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-01 | 1.86 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-01 | 1.77 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-01 | 1.65 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-01 | 1.62 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-01 | 1.55 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-01 | 1.48 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-01 | 1.45 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-01 | 1.54 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-01 | 1.65 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-01 | 1.68 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-01 | 1.80 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-01 | 1.78 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-01 | 1.85 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-01 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-01 | 1.82 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-01 | 1.83 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-01 | 1.85 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-01 | 1.74 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-01 | 1.74 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-01 | 1.61 | 1.58 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-01 | 1.57 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-01 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-01 | 1.70 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-01 | 1.82 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-01 | 1.85 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-01 | 2.10 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-01 | 2.18 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-01 | 2.22 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-01 | 2.23 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-01 | 2.10 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-01 | 2.00 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-01 | 1.88 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-01 | 1.75 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-01 | 1.67 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-01 | 1.61 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-01 | 1.64 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-01 | 1.70 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-01 | 1.85 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-01 | 1.88 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-01 | 1.98 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-01 | 1.94 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-01 | 1.93 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-01 | 1.98 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-01 | 2.16 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-01 | 2.29 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-01 | 2.38 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-01 | 2.35 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-01 | 2.38 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-01 | 2.24 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-01 | 2.15 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-01 | 2.22 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-01 | 2.28 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-01 | 2.34 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-01 | 2.46 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-01 | 2.79 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-01 | 2.95 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-01 | 2.97 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-01 | 2.95 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-01 | 2.92 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-01 | 2.85 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-01 | 2.67 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-01 | 2.55 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-01 | 2.44 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-01 | 2.50 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-01 | 2.49 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-01 | 2.58 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-01 | 2.58 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-01 | 2.70 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-01 | 2.78 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-01 | 2.98 | 2.85 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-01 | 3.00 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-01 | 3.04 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-01 | 3.05 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-01 | 3.00 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-01 | 2.98 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-01 | 2.98 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-01 | 3.05 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-01 | 3.12 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-01 | 3.22 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-01 | 3.36 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-01 | 3.45 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-01 | 3.56 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-01 | 3.67 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-01 | 3.75 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-01 | 3.83 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-01 | 3.87 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-01 | 3.93 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-01 | 3.98 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-01 | 4.01 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-01 | 4.11 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-01 | 4.26 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-01 | 4.36 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-01 | 4.40 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-01 | 4.42 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-01 | 4.47 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-01 | 4.55 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-01 | 4.52 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-01 | 4.51 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-01 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-01 | 4.61 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-01 | 4.65 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-01 | 4.75 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-01 | 4.79 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-01 | 4.82 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-01 | 4.89 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-01 | 4.96 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-01 | 4.97 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-01 | 5.00 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-01 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-01 | 4.98 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-01 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-01 | 4.94 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-01 | 5.01 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-01 | 5.03 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-01 | 5.05 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-01 | 5.06 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-01 | 5.09 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-01 | 5.08 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-01 | 5.03 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-01 | 4.99 | 4.97 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-01 | 4.98 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-01 | 4.93 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-01 | 4.87 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-01 | 4.85 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-01 | 4.86 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-01 | 4.90 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-01 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-01 | 5.10 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-01 | 5.18 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-01 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-01 | 5.41 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-01 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-01 | 5.53 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-01 | 5.51 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-01 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-01 | 5.49 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-01 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-01 | 5.61 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-01 | 5.69 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-01 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-01 | 5.87 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-01 | 6.00 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-01 | 6.13 | 6.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-01 | 6.31 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-01 | 6.42 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-01 | 6.50 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-01 | 6.55 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-01 | 6.60 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-01 | 6.60 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-01 | 6.55 | 6.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-01 | 6.48 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-01 | 6.37 | 6.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-01 | 6.27 | 6.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-01 | 6.16 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-01 | 6.11 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-01 | 5.23 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-01 | 5.17 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-01 | 5.07 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-01 | 5.04 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-01 | 5.05 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-01 | 5.04 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-01 | 5.04 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-01 | 5.06 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-01 | 5.07 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-01 | 5.15 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-01 | 5.24 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-01 | 5.35 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-01 | 5.43 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-01 | 5.53 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-01 | 5.62 | 5.58 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-01 | 5.74 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-01 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-01 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-01 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-01 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-01 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-01 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-01 | 5.89 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-01 | 5.87 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-01 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-01 | 5.83 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-01 | 5.82 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-01 | 5.80 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-01 | 5.77 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-01 | 5.75 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-01 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-01 | 5.73 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-01 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-01 | 5.80 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-01 | 5.79 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-01 | 5.76 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-01 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-01 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-01 | 5.59 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-01 | 5.52 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-01 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-01 | 5.33 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-01 | 5.23 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-01 | 5.11 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-01 | 5.04 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-01 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-01 | 4.91 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-01 | 4.84 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-01 | 4.84 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-01 | 4.80 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-01 | 4.80 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-01 | 4.78 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-01 | 4.87 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-01 | 4.96 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-01 | 4.99 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-01 | 5.02 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-01 | 5.02 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-01 | 5.05 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-01 | 5.09 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-01 | 5.12 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-01 | 5.14 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-01 | 5.14 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-01 | 5.15 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-01 | 5.11 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-01 | 5.05 | 5.02 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-01 | 4.96 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-01 | 4.84 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-01 | 4.72 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-01 | 4.60 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-01 | 4.50 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-01 | 4.38 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-01 | 4.24 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-01 | 4.18 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-01 | 4.13 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-01 | 4.09 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-01 | 4.11 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-01 | 4.10 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-01 | 3.95 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-01 | 3.86 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-01 | 3.76 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-01 | 3.67 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-01 | 3.54 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-01 | 3.44 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-01 | 3.36 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-01 | 3.28 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-01 | 3.27 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-01 | 3.26 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-01 | 3.33 | 3.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-01 | 3.39 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-01 | 3.40 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-01 | 3.37 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-01 | 3.35 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-01 | 3.15 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-01 | 3.13 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-01 | 3.13 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-01 | 3.09 | 3.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-01 | 3.00 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-01 | 2.87 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-01 | 2.77 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-01 | 2.75 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-01 | 2.74 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-01 | 2.78 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-01 | 2.80 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-01 | 2.83 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-01 | 2.83 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-01 | 2.81 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-01 | 2.76 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-01 | 2.76 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-01 | 2.76 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-01 | 2.81 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-01 | 2.72 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-01 | 2.75 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-01 | 2.74 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-01 | 2.63 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-01 | 2.58 | 2.53 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-01 | 2.48 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-01 | 2.45 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-01 | 2.47 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-01 | 2.48 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-01 | 2.49 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-01 | 2.48 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-01 | 2.51 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-01 | 2.38 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-01 | 2.31 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-01 | 2.25 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-01 | 2.19 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-01 | 2.13 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-01 | 2.07 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-01 | 2.02 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-01 | 2.06 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-01 | 2.08 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-01 | 2.12 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-01 | 2.13 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-01 | 2.14 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-01 | 2.15 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-01 | 2.16 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-01 | 2.13 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-02 | 2.13 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-02 | 2.07 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-02 | 2.06 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-02 | 2.04 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-02 | 2.03 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-02 | 2.04 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-02 | 2.04 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-02 | 2.03 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-02 | 2.00 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-02 | 1.93 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-02 | 1.89 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-02 | 1.93 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-02 | 1.95 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-02 | 2.01 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-02 | 1.98 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-02 | 1.96 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-02 | 1.97 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-02 | 1.97 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-02 | 1.96 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-02 | 1.95 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-02 | 1.91 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-02 | 1.85 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-02 | 1.81 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-02 | 1.79 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-02 | 1.77 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-02 | 1.79 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-02 | 1.81 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-02 | 1.85 | 1.78 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-02 | 1.90 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-02 | 1.93 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-02 | 1.96 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-02 | 2.08 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-02 | 2.11 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-02 | 2.12 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-02 | 2.06 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-02 | 1.96 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-02 | 1.93 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-02 | 1.88 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-02 | 1.78 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-02 | 1.65 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-02 | 1.58 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-02 | 1.64 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-02 | 1.71 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-02 | 1.76 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-02 | 1.81 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-02 | 1.88 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-02 | 1.86 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-02 | 1.82 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-02 | 1.83 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-02 | 1.77 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-02 | 1.75 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-02 | 1.71 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-02 | 1.68 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-02 | 1.67 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-02 | 1.68 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-02 | 1.81 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-02 | 1.91 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-02 | 1.98 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-02 | 2.15 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-02 | 2.33 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-02 | 2.38 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-02 | 2.39 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-02 | 2.33 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-02 | 2.35 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-02 | 2.33 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-02 | 2.18 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-02 | 2.06 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-02 | 1.91 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-02 | 1.83 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-02 | 1.81 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-02 | 1.88 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-02 | 1.98 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-02 | 2.13 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-02 | 2.25 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-02 | 2.28 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-02 | 2.28 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-02 | 2.27 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-02 | 2.33 | 2.16 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-02 | 2.53 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-02 | 2.51 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-02 | 2.53 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-02 | 2.50 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-02 | 2.42 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-02 | 2.36 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-02 | 2.38 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-02 | 2.48 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-02 | 2.53 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-02 | 2.68 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-02 | 2.83 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-02 | 3.08 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-02 | 3.13 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-02 | 3.20 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-03 | 6.51 | 6.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-03 | 6.58 | 6.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-03 | 6.65 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-03 | 6.67 | 6.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-03 | 6.65 | 6.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-03 | 6.60 | 6.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-03 | 6.53 | 6.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-03 | 6.45 | 6.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-03 | 6.36 | 6.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-03 | 6.26 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-03 | 6.15 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-03 | 6.06 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-03 | 5.98 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-03 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-03 | 5.90 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-03 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-03 | 5.87 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-03 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-03 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-03 | 5.66 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-03 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-03 | 5.61 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-03 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-03 | 5.59 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-03 | 5.59 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-03 | 5.59 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-03 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-03 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-03 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-03 | 5.43 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-03 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-03 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-03 | 5.31 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-03 | 5.27 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-03 | 5.27 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-03 | 5.25 | 5.24 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-03 | 5.34 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-03 | 5.39 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-03 | 5.44 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-03 | 5.49 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-03 | 5.55 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-03 | 5.63 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-03 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-03 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-03 | 5.76 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-03 | 5.78 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-03 | 5.77 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-03 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-03 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-03 | 5.66 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-03 | 5.61 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-03 | 5.60 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-03 | 5.61 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-03 | 5.61 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-03 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-03 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-03 | 5.73 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-03 | 5.78 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-03 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-03 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-03 | 5.85 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-03 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-03 | 5.84 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-03 | 5.85 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-03 | 5.86 | 5.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-03 | 5.88 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-03 | 5.87 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-03 | 5.87 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-03 | 5.88 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-03 | 5.89 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-03 | 5.92 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-03 | 5.93 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-03 | 5.93 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-03 | 5.93 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-03 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-03 | 5.87 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-03 | 5.81 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-03 | 5.76 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-03 | 5.71 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-03 | 5.63 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-03 | 5.55 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-03 | 5.51 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-03 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-03 | 5.48 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-03 | 5.47 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-03 | 5.44 | 5.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-03 | 5.40 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-03 | 5.36 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-03 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-03 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-03 | 5.17 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-03 | 5.12 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-03 | 5.02 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-03 | 4.94 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-03 | 4.83 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-03 | 4.72 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-03 | 4.62 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-03 | 4.49 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-03 | 4.40 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-03 | 4.28 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-03 | 4.21 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-03 | 4.23 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-03 | 4.21 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-03 | 4.15 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-03 | 4.03 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-03 | 3.91 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-03 | 3.78 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-03 | 3.67 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-03 | 3.52 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-03 | 3.42 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-03 | 3.38 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-03 | 3.34 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-03 | 3.31 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-03 | 3.26 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-03 | 3.23 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-03 | 3.16 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-03 | 3.04 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-03 | 2.95 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-03 | 2.94 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-03 | 2.82 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-03 | 2.76 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-03 | 2.65 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-03 | 2.56 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-03 | 2.46 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-03 | 2.43 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-03 | 2.47 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-03 | 2.56 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-03 | 2.56 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-03 | 2.64 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-03 | 2.75 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-03 | 2.75 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-03 | 2.77 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-03 | 2.71 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-03 | 2.59 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-03 | 2.46 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-03 | 2.36 | 2.34 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-03 | 2.26 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-03 | 2.17 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-03 | 2.15 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-03 | 2.13 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-03 | 2.08 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-03 | 2.12 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-03 | 2.21 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-03 | 2.25 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-03 | 2.29 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-03 | 2.25 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-03 | 2.28 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-03 | 2.26 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-03 | 2.16 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-03 | 2.14 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-03 | 2.04 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-03 | 2.04 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-03 | 2.04 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-03 | 2.04 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-03 | 2.05 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-03 | 2.13 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-03 | 2.18 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-03 | 2.24 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-03 | 2.26 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-03 | 2.30 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-03 | 2.32 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-03 | 2.16 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-03 | 2.02 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-03 | 1.98 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-03 | 1.90 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-03 | 1.79 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-03 | 1.74 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-04 | 1.64 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-04 | 1.64 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-04 | 1.60 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-04 | 1.58 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-04 | 1.58 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-04 | 1.60 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-04 | 1.69 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-04 | 1.74 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-04 | 1.73 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-04 | 1.68 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-04 | 1.69 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-04 | 1.74 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-04 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-04 | 1.75 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-04 | 1.72 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-04 | 1.69 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-04 | 1.68 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-04 | 1.65 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-04 | 1.68 | 1.54 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-04 | 1.70 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-04 | 1.72 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-04 | 1.75 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-04 | 1.76 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-04 | 1.74 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-04 | 1.72 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-04 | 1.68 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-04 | 1.58 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-04 | 1.48 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-04 | 1.39 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-04 | 1.35 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-04 | 1.33 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-04 | 1.31 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-04 | 1.32 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-04 | 1.30 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-04 | 1.29 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-04 | 1.35 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-04 | 1.42 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-04 | 1.45 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-04 | 1.46 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-04 | 1.48 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-04 | 1.55 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-04 | 1.59 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-04 | 1.57 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-04 | 1.48 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-04 | 1.46 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-04 | 1.42 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-04 | 1.40 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-04 | 1.35 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-04 | 1.33 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-04 | 1.44 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-04 | 1.58 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-04 | 1.68 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-04 | 1.66 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-04 | 1.67 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-04 | 1.63 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-04 | 1.59 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-04 | 1.54 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-04 | 1.47 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-04 | 1.42 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-04 | 1.40 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-04 | 1.37 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-04 | 1.30 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-04 | 1.26 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-04 | 1.30 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-04 | 1.34 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-04 | 1.42 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-04 | 1.48 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-04 | 1.51 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-04 | 1.53 | 1.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-04 | 1.56 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-04 | 1.57 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-04 | 1.56 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-04 | 1.49 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-04 | 1.47 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-04 | 1.42 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-04 | 1.33 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-04 | 1.47 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-04 | 1.61 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-04 | 1.65 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-04 | 1.80 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-04 | 1.97 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-04 | 2.05 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-04 | 2.08 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-04 | 2.17 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-04 | 2.18 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-04 | 2.05 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-04 | 1.96 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-04 | 1.82 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-04 | 1.73 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-04 | 1.59 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-04 | 1.51 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-04 | 3.67 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-04 | 3.70 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-04 | 3.79 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-04 | 3.81 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-04 | 3.78 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-04 | 3.78 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-04 | 3.72 | 3.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-04 | 3.69 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-04 | 3.63 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-04 | 3.56 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-04 | 3.49 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-04 | 3.52 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-04 | 3.74 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-04 | 3.85 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-04 | 3.86 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-04 | 3.74 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-04 | 3.70 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-04 | 3.66 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-04 | 3.68 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-04 | 3.74 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-04 | 3.82 | 3.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-04 | 4.01 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-04 | 4.15 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-04 | 4.30 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-04 | 4.52 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-04 | 4.73 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-04 | 4.87 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-04 | 5.00 | 4.94 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-04 | 5.12 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-04 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-04 | 4.87 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-04 | 4.92 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-04 | 4.97 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-04 | 5.02 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-04 | 5.07 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-04 | 5.07 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-04 | 5.05 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-04 | 5.02 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-04 | 5.02 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-04 | 4.97 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-04 | 4.92 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-04 | 4.87 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-04 | 4.82 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-04 | 4.77 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-04 | 4.74 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-04 | 4.67 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-04 | 4.57 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-04 | 4.52 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-04 | 4.42 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-04 | 4.37 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-04 | 4.27 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-04 | 4.17 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-04 | 4.07 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-04 | 4.07 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-04 | 4.02 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-04 | 4.02 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-04 | 4.87 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-04 | 4.82 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-04 | 4.77 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-04 | 4.82 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-04 | 4.87 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-04 | 4.92 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-04 | 4.97 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-04 | 5.02 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-04 | 5.07 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-04 | 5.07 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-04 | 5.05 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-04 | 5.02 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-04 | 5.02 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-04 | 4.97 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-04 | 4.92 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-04 | 4.87 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-04 | 4.82 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-04 | 4.77 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-04 | 4.74 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-04 | 4.67 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-04 | 4.57 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-04 | 4.52 | 4.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-04 | 4.42 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-04 | 4.37 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-04 | 4.27 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-04 | 4.17 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-04 | 4.07 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-04 | 4.07 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-04 | 4.02 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-04 | 4.02 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-04 | 4.22 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-04 | 4.27 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-04 | 4.58 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-04 | 4.54 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-04 | 4.53 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-04 | 4.53 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-04 | 4.75 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-04 | 4.85 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-04 | 4.89 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-04 | 4.95 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-04 | 5.04 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-04 | 5.14 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-04 | 5.19 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-04 | 5.26 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-04 | 5.28 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-04 | 5.28 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-04 | 5.24 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-04 | 5.18 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-04 | 5.08 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-04 | 4.98 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-04 | 4.85 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-04 | 4.69 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-04 | 4.54 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-04 | 4.42 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-04 | 4.26 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-04 | 4.14 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-04 | 4.02 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-04 | 3.93 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-04 | 3.78 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-04 | 3.68 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-04 | 3.51 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-04 | 3.39 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-04 | 3.22 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-04 | 3.11 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-04 | 2.96 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-04 | 2.87 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-04 | 2.73 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-04 | 2.65 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-04 | 2.61 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-04 | 2.60 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-04 | 2.68 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-04 | 2.70 | 2.66 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-04 | 2.63 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-04 | 2.60 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-04 | 2.63 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-04 | 2.61 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-04 | 2.63 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-04 | 2.66 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-04 | 2.53 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-04 | 2.44 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-04 | 2.26 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-04 | 2.04 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-04 | 2.03 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-04 | 2.09 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-04 | 2.11 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-04 | 2.12 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-04 | 2.14 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-04 | 2.13 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-04 | 2.11 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-04 | 2.13 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-04 | 2.13 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-04 | 4.68 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-04 | 4.64 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-04 | 4.58 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-04 | 4.46 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-04 | 4.41 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-04 | 4.36 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-04 | 4.36 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-04 | 4.38 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-04 | 4.37 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-04 | 4.44 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-04 | 4.56 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-04 | 4.56 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-04 | 4.68 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-04 | 4.71 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-04 | 4.66 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-04 | 4.64 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-04 | 4.61 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-04 | 4.41 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-04 | 4.36 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-04 | 4.38 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-04 | 4.29 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-04 | 4.33 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-04 | 4.26 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-04 | 4.16 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-04 | 4.18 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-04 | 4.16 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-04 | 4.16 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-04 | 4.14 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-04 | 4.20 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-04 | 4.20 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-04 | 4.18 | 4.00 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-05 | 4.19 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-05 | 4.19 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-05 | 4.18 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-05 | 4.17 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-05 | 4.10 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-05 | 4.08 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-05 | 4.06 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-05 | 4.08 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-05 | 4.09 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-05 | 4.18 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-05 | 4.29 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-05 | 4.40 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-05 | 4.26 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-05 | 4.29 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-05 | 4.21 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-05 | 4.14 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-05 | 4.11 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-05 | 4.05 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-05 | 4.03 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-05 | 4.04 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-05 | 4.01 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-05 | 3.76 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-05 | 3.86 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-05 | 3.91 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-05 | 4.04 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-05 | 4.04 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-05 | 3.99 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-05 | 4.01 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-05 | 3.91 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-05 | 3.88 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-05 | 3.86 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-06 | 1.71 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-06 | 1.68 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-06 | 1.78 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-06 | 1.94 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-06 | 1.96 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-06 | 2.01 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-06 | 1.96 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-06 | 1.91 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-06 | 1.89 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-06 | 1.64 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-06 | 1.56 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-06 | 1.39 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-06 | 1.25 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-06 | 1.23 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-06 | 1.29 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-06 | 1.27 | 1.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-06 | 1.35 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-06 | 1.39 | 1.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-06 | 1.42 | 1.06 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-06 | 1.48 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-06 | 1.49 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-06 | 1.55 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-06 | 1.56 | 1.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-06 | 1.58 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-06 | 1.54 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-06 | 1.43 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-06 | 1.42 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-06 | 1.26 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-06 | 1.19 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-06 | 1.20 | 0.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-06 | 1.11 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-06 | 1.11 | 0.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-06 | 0.99 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-06 | 0.96 | 0.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-06 | 0.97 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-06 | 1.01 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-06 | 1.01 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-06 | 1.05 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-06 | 1.06 | 0.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-06 | 1.17 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-06 | 1.20 | 0.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-06 | 1.21 | 0.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-06 | 1.16 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-06 | 1.01 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-06 | 1.01 | 0.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-06 | 0.96 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-06 | 0.96 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-06 | 0.98 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-06 | 0.91 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-06 | 1.01 | 0.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-06 | 1.17 | 0.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-06 | 1.21 | 0.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-06 | 1.31 | 0.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-06 | 1.31 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-06 | 1.27 | 0.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-06 | 1.16 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-06 | 1.06 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-06 | 0.95 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-06 | 1.01 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-06 | 1.01 | 0.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-06 | 1.56 | 0.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-07 | 0.99 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-07 | 1.01 | 0.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-07 | 0.94 | 0.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-07 | 0.90 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-07 | 0.79 | 0.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-07 | 0.79 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-07 | 0.75 | 0.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-07 | 0.69 | 0.57 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-07 | 0.70 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-07 | 0.69 | 0.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-07 | 0.59 | 0.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-07 | 0.61 | 0.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-07 | 0.57 | 0.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-07 | 0.54 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-07 | 0.57 | 0.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-07 | 0.65 | 0.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-07 | 0.73 | 0.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-07 | 0.74 | 0.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-07 | 0.69 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-07 | 0.99 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-07 | 1.01 | 0.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-07 | 0.99 | 0.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-07 | 0.93 | 0.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-07 | 0.95 | 0.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-07 | 0.79 | 0.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-07 | 0.65 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-07 | 0.65 | 0.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-07 | 0.67 | 0.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-07 | 0.64 | 0.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-07 | 0.63 | 0.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-07 | 0.79 | 0.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-07 | 0.82 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-07 | 0.85 | 0.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-07 | 0.99 | 0.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-07 | 1.07 | 0.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-07 | 1.03 | 0.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-07 | 0.99 | 0.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-07 | 1.00 | 0.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-07 | 0.99 | 0.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-07 | 0.89 | 0.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-07 | 0.71 | 0.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-07 | 0.59 | 0.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-07 | 0.55 | 0.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-07 | 0.47 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-07 | 0.55 | 0.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-07 | 0.56 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-07 | 0.62 | 0.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-07 | 0.78 | 0.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-07 | 0.93 | 0.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-07 | 1.04 | 0.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-07 | 1.06 | 0.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-07 | 1.02 | 0.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-07 | 0.99 | 0.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-07 | 0.93 | 0.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-07 | 0.79 | 0.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-07 | 0.73 | 0.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-07 | 0.64 | 0.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-07 | 0.54 | 0.34 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-07 | 0.59 | 0.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-07 | 0.64 | 0.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-07 | 0.63 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-07 | 0.68 | 0.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-07 | 0.73 | 0.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-07 | 0.79 | 0.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-07 | 0.84 | 0.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-07 | 0.87 | 0.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-07 | 0.83 | 0.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-07 | 0.80 | 0.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-07 | 0.77 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-07 | 0.74 | 0.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-07 | 0.56 | 0.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-07 | 0.54 | 0.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-07 | 0.46 | 0.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-07 | 0.45 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-07 | 0.59 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-07 | 0.74 | 0.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-07 | 0.83 | 0.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-07 | 0.92 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-07 | 1.03 | 0.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-07 | 1.14 | 0.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-07 | 1.23 | 0.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-07 | 1.30 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-07 | 1.10 | 0.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-07 | 0.90 | 0.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-07 | 0.72 | 0.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-07 | 0.63 | 0.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-07 | 0.64 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-07 | 0.64 | 0.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-07 | 0.69 | 0.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-07 | 0.79 | 0.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-07 | 0.94 | 0.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-07 | 1.05 | 0.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-07 | 1.16 | 0.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-07 | 1.28 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-07 | 1.33 | 0.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-07 | 1.35 | 0.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-07 | 1.31 | 0.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-07 | 1.29 | 0.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-07 | 1.23 | 0.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-07 | 1.19 | 0.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-07 | 1.16 | 0.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-07 | 1.14 | 0.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-07 | 1.12 | 0.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-07 | 1.23 | 1.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-07 | 1.34 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-07 | 1.39 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-07 | 1.55 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-07 | 1.67 | 1.28 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-07 | 1.74 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-07 | 1.77 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-07 | 1.74 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-07 | 1.64 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-07 | 1.49 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-07 | 1.52 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-07 | 1.44 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-07 | 1.39 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-07 | 1.37 | 1.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-07 | 1.49 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-07 | 1.55 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-07 | 1.64 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-07 | 1.72 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-07 | 1.84 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-07 | 1.88 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-07 | 1.90 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-07 | 1.94 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-07 | 1.92 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-07 | 1.90 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-07 | 1.74 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-07 | 1.63 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-07 | 1.64 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-07 | 1.68 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-07 | 1.72 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-07 | 1.68 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-07 | 1.76 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-07 | 1.72 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-07 | 1.99 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-07 | 2.04 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-07 | 2.06 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-07 | 2.02 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-07 | 1.97 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-07 | 1.95 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-07 | 1.91 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-07 | 1.94 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-07 | 1.96 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-07 | 1.99 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-07 | 2.00 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-07 | 1.96 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-07 | 2.04 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-07 | 2.05 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-07 | 2.06 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-07 | 2.15 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-07 | 2.29 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-07 | 2.46 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-07 | 2.59 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-07 | 2.58 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-07 | 2.59 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-07 | 2.58 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-07 | 2.59 | 2.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-07 | 2.66 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-07 | 2.67 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-07 | 2.76 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-07 | 2.97 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-07 | 3.19 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-07 | 3.27 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-07 | 3.28 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-07 | 3.37 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-07 | 3.47 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-07 | 3.53 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-07 | 3.68 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-07 | 3.76 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-07 | 3.79 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-07 | 3.89 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-07 | 4.03 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-07 | 4.19 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-07 | 4.24 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-07 | 4.29 | 4.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-07 | 4.32 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-07 | 4.34 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-07 | 4.33 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-07 | 4.39 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-07 | 4.46 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-07 | 4.50 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-07 | 4.51 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-07 | 4.40 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-07 | 4.33 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-07 | 4.30 | 4.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-07 | 4.27 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-07 | 4.20 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-07 | 4.14 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-07 | 4.08 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-07 | 4.02 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-07 | 3.93 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-07 | 3.87 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-07 | 3.81 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-07 | 3.86 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-07 | 3.94 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-07 | 4.03 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-07 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-07 | 4.16 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-07 | 4.21 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-07 | 4.26 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-07 | 4.36 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-07 | 4.72 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-07 | 4.76 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-07 | 4.91 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-07 | 4.96 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-07 | 5.08 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-07 | 5.15 | 5.13 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-07 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-07 | 5.36 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-07 | 5.48 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-07 | 5.66 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-07 | 5.87 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-07 | 6.05 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-07 | 6.20 | 6.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-07 | 6.34 | 6.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-07 | 6.46 | 6.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-07 | 6.57 | 6.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-07 | 6.63 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-07 | 6.63 | 6.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-07 | 6.59 | 6.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-07 | 6.52 | 6.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-07 | 6.42 | 6.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-07 | 6.34 | 6.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-07 | 6.26 | 6.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-07 | 6.19 | 6.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-07 | 6.10 | 6.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-07 | 6.01 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-07 | 5.93 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-07 | 5.89 | 5.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-07 | 5.84 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-07 | 5.80 | 5.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-07 | 5.76 | 5.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-07 | 5.72 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-07 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-07 | 5.63 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-07 | 5.62 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-07 | 5.57 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-07 | 5.55 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-07 | 5.49 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-07 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-07 | 5.43 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-07 | 5.40 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-07 | 5.34 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-07 | 5.31 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-07 | 5.27 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-07 | 5.22 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-07 | 5.18 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-07 | 5.18 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-07 | 5.18 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-07 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-07 | 5.29 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-07 | 5.41 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-07 | 5.59 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-07 | 5.72 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-07 | 5.85 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-07 | 5.96 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-07 | 6.05 | 6.01 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-07 | 6.13 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-07 | 6.19 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-07 | 6.21 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-07 | 6.20 | 6.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-07 | 6.19 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-07 | 6.13 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-07 | 6.06 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-07 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-07 | 5.92 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-07 | 5.85 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-07 | 5.74 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-07 | 5.62 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-07 | 5.50 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-07 | 5.37 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-07 | 5.27 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-07 | 5.12 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-07 | 4.97 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-07 | 4.83 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-07 | 4.67 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-07 | 4.55 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-07 | 4.45 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-07 | 4.35 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-07 | 4.33 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-07 | 4.64 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-07 | 4.58 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-07 | 4.52 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-07 | 4.41 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-07 | 4.27 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-07 | 4.18 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-07 | 4.14 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-07 | 4.22 | 4.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-07 | 4.10 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-07 | 3.98 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-07 | 3.87 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-07 | 3.75 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-07 | 3.59 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-07 | 3.50 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-07 | 3.42 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-07 | 3.43 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-07 | 3.40 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-07 | 3.42 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-07 | 3.48 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-07 | 3.46 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-07 | 3.43 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-07 | 3.24 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-07 | 3.11 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-07 | 2.95 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-07 | 2.84 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-07 | 2.64 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-07 | 2.56 | 2.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-07 | 2.60 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-07 | 2.64 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-07 | 2.67 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-07 | 2.63 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-07 | 2.58 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-07 | 2.64 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-07 | 2.59 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-07 | 2.58 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-07 | 2.52 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-07 | 2.46 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-07 | 2.44 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-07 | 3.22 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-07 | 2.62 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-07 | 2.46 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-07 | 2.29 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-07 | 2.26 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-07 | 2.29 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-07 | 2.34 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-07 | 2.49 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-07 | 2.64 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-07 | 2.52 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-07 | 2.49 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-07 | 2.59 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-07 | 2.49 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-07 | 2.44 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-07 | 2.29 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-07 | 1.99 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-07 | 1.94 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-07 | 1.92 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-07 | 1.89 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-07 | 1.68 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-07 | 1.81 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-07 | 1.90 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-07 | 1.94 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-07 | 1.96 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-07 | 1.82 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-07 | 1.77 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-07 | 1.84 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-07 | 1.90 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-07 | 1.82 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-07 | 1.70 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-07 | 1.60 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-07 | 1.56 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-07 | 1.46 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-07 | 1.27 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-07 | 1.27 | 1.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-07 | 1.62 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-07 | 1.72 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-07 | 1.77 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-07 | 1.80 | 1.30 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-07 | 1.75 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-07 | 1.82 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-07 | 1.72 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-07 | 1.67 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-07 | 1.68 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-07 | 1.62 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-07 | 1.59 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-08 | 1.51 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-08 | 1.44 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-08 | 1.47 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-08 | 1.41 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-08 | 1.51 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-08 | 1.71 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-08 | 1.72 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-08 | 1.62 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-08 | 1.67 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-08 | 1.74 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-08 | 1.87 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-08 | 1.89 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-08 | 1.80 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-08 | 1.67 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-08 | 1.57 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-08 | 1.47 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-08 | 1.37 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-08 | 1.41 | 0.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-08 | 1.34 | 0.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-08 | 1.51 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-08 | 1.67 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-08 | 1.72 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-08 | 1.51 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-08 | 1.64 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-08 | 1.67 | 1.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-08 | 1.60 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-08 | 1.42 | 1.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-08 | 1.32 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-08 | 1.32 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-08 | 1.26 | 0.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-08 | 1.27 | 0.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-08 | 1.17 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-08 | 1.12 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-08 | 1.07 | 0.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-08 | 1.17 | 0.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-08 | 1.35 | 0.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-08 | 1.27 | 0.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-08 | 1.43 | 0.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-08 | 1.57 | 0.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-08 | 1.52 | 1.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-08 | 1.59 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-08 | 1.70 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-08 | 1.65 | 1.08 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-08 | 1.45 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-08 | 1.27 | 0.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-08 | 1.27 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-08 | 1.19 | 0.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-08 | 1.17 | 0.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-08 | 1.32 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-08 | 1.37 | 0.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-08 | 1.49 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-08 | 1.47 | 0.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-08 | 1.57 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-08 | 1.62 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-08 | 1.69 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-08 | 1.70 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-08 | 1.57 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-08 | 1.37 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-08 | 1.29 | 0.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-08 | 1.17 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-08 | 1.09 | 0.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-08 | 1.12 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-08 | 1.23 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-08 | 1.27 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-08 | 1.37 | 0.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-08 | 1.49 | 0.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-08 | 1.57 | 1.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-08 | 1.67 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-08 | 1.82 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-08 | 1.79 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-08 | 1.78 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-08 | 1.70 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-08 | 1.57 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-08 | 1.59 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-08 | 1.47 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-08 | 1.35 | 0.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-08 | 1.32 | 0.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-08 | 1.51 | 0.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-08 | 1.60 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-08 | 1.68 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-08 | 1.76 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-08 | 1.68 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-08 | 1.79 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-08 | 1.80 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-08 | 1.78 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-08 | 1.65 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-08 | 1.62 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-08 | 1.58 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-08 | 1.52 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-08 | 1.40 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-08 | 1.39 | 1.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-08 | 1.42 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-08 | 1.40 | 1.05 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-08 | 1.68 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-08 | 1.78 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-08 | 1.82 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-08 | 1.97 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-08 | 1.99 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-08 | 1.97 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-08 | 1.99 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-08 | 1.97 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-08 | 1.82 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-08 | 1.77 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-08 | 1.79 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-08 | 1.55 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-08 | 1.58 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-08 | 1.62 | 1.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-08 | 1.65 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-08 | 1.72 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-08 | 1.80 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-08 | 1.75 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-08 | 1.72 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-08 | 1.69 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-08 | 1.81 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-08 | 1.83 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-08 | 1.77 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-08 | 1.70 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-08 | 1.66 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-08 | 1.75 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-08 | 1.77 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-08 | 1.75 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-08 | 1.78 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-08 | 1.89 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-08 | 2.15 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-08 | 2.19 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-08 | 2.22 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-08 | 2.37 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-08 | 2.58 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-08 | 2.57 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-08 | 2.55 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-08 | 2.37 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-08 | 2.31 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-08 | 2.29 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-08 | 2.12 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-08 | 2.02 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-08 | 1.97 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-08 | 1.91 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-08 | 2.08 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-08 | 2.17 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-08 | 2.34 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-08 | 2.22 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-08 | 2.20 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-08 | 2.24 | 1.75 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-08 | 2.17 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-08 | 2.07 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-08 | 2.07 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-08 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-08 | 2.17 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-08 | 2.22 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-08 | 2.20 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-08 | 2.34 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-08 | 2.42 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-08 | 2.32 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-08 | 2.42 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-08 | 2.52 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-08 | 2.57 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-08 | 2.62 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-08 | 2.72 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-08 | 2.72 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-08 | 2.82 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-08 | 2.87 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-08 | 2.81 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-08 | 2.82 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-08 | 2.74 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-08 | 2.72 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-08 | 2.67 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-08 | 2.72 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-08 | 2.87 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-08 | 3.07 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-08 | 3.24 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-08 | 3.30 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-08 | 3.43 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-08 | 3.53 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-08 | 3.52 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-08 | 3.53 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-08 | 3.58 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-08 | 3.65 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-08 | 3.67 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-08 | 3.71 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-08 | 3.74 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-08 | 3.86 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-08 | 3.88 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-08 | 4.11 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-08 | 4.09 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-08 | 4.16 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-08 | 4.22 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-08 | 4.25 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-08 | 4.31 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-08 | 4.35 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-08 | 4.41 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-08 | 4.46 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-08 | 4.49 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-08 | 4.51 | 4.49 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-08 | 4.53 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-08 | 4.53 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-08 | 4.52 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-08 | 4.53 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-08 | 4.64 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-08 | 4.65 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-08 | 4.67 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-08 | 4.69 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-08 | 4.77 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-08 | 4.81 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-08 | 4.84 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-08 | 4.88 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-08 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-08 | 4.99 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-08 | 5.06 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-08 | 5.11 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-08 | 5.19 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-08 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-08 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-08 | 5.37 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-08 | 5.43 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-08 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-08 | 5.47 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-08 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-08 | 5.50 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-08 | 5.49 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-08 | 5.47 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-08 | 5.44 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-08 | 5.41 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-08 | 5.38 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-08 | 5.39 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-08 | 5.39 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-08 | 5.36 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-08 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-08 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-08 | 5.33 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-08 | 5.34 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-08 | 5.36 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-08 | 5.47 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-08 | 5.51 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-08 | 5.56 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-08 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-08 | 5.64 | 5.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-08 | 5.69 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-08 | 5.72 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-08 | 5.73 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-08 | 5.73 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-08 | 5.74 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-08 | 5.83 | 5.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-08 | 5.87 | 5.85 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-08 | 5.91 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-08 | 5.97 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-08 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-08 | 6.07 | 6.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-08 | 6.11 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-08 | 6.14 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-08 | 6.17 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-08 | 6.19 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-08 | 6.23 | 6.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-08 | 6.22 | 6.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-08 | 6.19 | 6.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-08 | 6.13 | 6.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-08 | 6.05 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-08 | 5.98 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-08 | 5.98 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-08 | 5.83 | 5.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-08 | 5.78 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-08 | 5.73 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-08 | 5.65 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-08 | 5.48 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-08 | 5.35 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-08 | 5.19 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-08 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-08 | 4.90 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-08 | 4.76 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-08 | 4.65 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-08 | 4.64 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-08 | 4.61 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-08 | 4.61 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-08 | 4.47 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-08 | 4.47 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-08 | 4.41 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-08 | 4.30 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-08 | 4.34 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-08 | 4.29 | 4.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-08 | 4.19 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-08 | 4.16 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-08 | 4.08 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-08 | 4.01 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-08 | 3.96 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-08 | 3.90 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-08 | 3.84 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-08 | 3.75 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-08 | 3.71 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-08 | 3.69 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-08 | 3.67 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-08 | 3.61 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-08 | 3.60 | 3.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-08 | 3.51 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-08 | 3.41 | 3.27 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-08 | 3.26 | 3.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-08 | 3.13 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-08 | 3.00 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-08 | 3.08 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-08 | 3.09 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-08 | 3.11 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-08 | 3.31 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-08 | 3.81 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-08 | 3.66 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-08 | 3.51 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-08 | 3.39 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-08 | 3.34 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-08 | 3.26 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-08 | 3.26 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-08 | 3.18 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-08 | 3.21 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-08 | 3.21 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-08 | 3.16 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-08 | 3.09 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-08 | 3.01 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-08 | 2.91 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-08 | 2.93 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-08 | 2.99 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-08 | 3.06 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-08 | 3.03 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-08 | 3.04 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-08 | 3.01 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-08 | 3.03 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-08 | 2.93 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-08 | 2.76 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-08 | 2.71 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-08 | 2.49 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-08 | 2.26 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-08 | 2.43 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-08 | 2.41 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-08 | 2.39 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-08 | 2.35 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-08 | 2.34 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-08 | 2.29 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-08 | 2.31 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-08 | 2.37 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-08 | 2.41 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-08 | 2.53 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-08 | 2.47 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-08 | 2.42 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-08 | 2.37 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-08 | 2.35 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-08 | 2.37 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-08 | 2.39 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-08 | 2.25 | 1.97 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-08 | 2.19 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-08 | 2.27 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-08 | 2.36 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-08 | 2.42 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-08 | 2.49 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-08 | 2.52 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-08 | 2.47 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-08 | 2.42 | 2.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-08 | 2.42 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-08 | 2.35 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-08 | 2.17 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-08 | 2.12 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-08 | 2.02 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-08 | 1.97 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-08 | 1.95 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-08 | 2.02 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-08 | 2.07 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-08 | 2.02 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-08 | 1.92 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-08 | 1.95 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-08 | 2.02 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-08 | 2.05 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-08 | 2.04 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-09 | 2.05 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-09 | 1.89 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-09 | 1.79 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-09 | 1.83 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-09 | 1.73 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-09 | 1.73 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-09 | 1.76 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-09 | 1.83 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-09 | 1.88 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-09 | 1.95 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-09 | 1.99 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-09 | 2.01 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-09 | 2.05 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-09 | 2.08 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-09 | 2.03 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-09 | 1.96 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-09 | 1.93 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-09 | 1.88 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-09 | 1.73 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-09 | 1.61 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-09 | 1.68 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-09 | 1.70 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-09 | 1.71 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-09 | 1.78 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-09 | 1.68 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-09 | 1.75 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-09 | 1.83 | 1.41 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-09 | 1.88 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-09 | 1.83 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-09 | 1.78 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-09 | 1.63 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-09 | 1.63 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-09 | 1.63 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-09 | 1.59 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-09 | 1.56 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-09 | 1.53 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-09 | 1.51 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-09 | 1.73 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-09 | 1.63 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-09 | 1.70 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-09 | 1.71 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-09 | 1.70 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-09 | 1.81 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-09 | 1.88 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-09 | 1.73 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-09 | 1.63 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-09 | 1.48 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-09 | 1.45 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-09 | 1.38 | 1.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-09 | 1.33 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-09 | 1.29 | 0.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-09 | 1.33 | 1.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-09 | 1.43 | 1.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-09 | 1.55 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-09 | 1.68 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-09 | 1.83 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-09 | 1.93 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-09 | 1.98 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-09 | 2.01 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-09 | 2.03 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-09 | 1.83 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-09 | 1.73 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-09 | 1.65 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-09 | 1.55 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-09 | 1.61 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-09 | 1.70 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-09 | 1.73 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-09 | 1.75 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-09 | 1.81 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-09 | 1.83 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-09 | 1.96 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-09 | 2.03 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-09 | 2.01 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-09 | 1.91 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-09 | 1.78 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-09 | 1.81 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-09 | 1.68 | 1.43 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-09 | 1.63 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-09 | 1.58 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-09 | 1.51 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-09 | 1.48 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-09 | 1.58 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-09 | 1.68 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-09 | 1.73 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-09 | 1.78 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-09 | 1.88 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-09 | 1.93 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-09 | 1.98 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-09 | 2.01 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-09 | 2.03 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-09 | 1.96 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-09 | 1.93 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-09 | 1.81 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-09 | 1.78 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-09 | 1.85 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-09 | 1.81 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-09 | 1.91 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-09 | 1.98 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-09 | 1.96 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-09 | 2.01 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-09 | 2.08 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-09 | 2.11 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-09 | 2.03 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-09 | 1.98 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-09 | 1.92 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-09 | 1.95 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-09 | 1.86 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-09 | 1.88 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-09 | 1.93 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-09 | 1.98 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-09 | 2.21 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-09 | 2.30 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-09 | 2.38 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-09 | 2.43 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-09 | 2.45 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-09 | 2.38 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-09 | 2.45 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-09 | 2.48 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-09 | 2.55 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-09 | 2.38 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-09 | 2.33 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-09 | 2.35 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-09 | 2.38 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-09 | 2.35 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-09 | 2.33 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-09 | 2.42 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-09 | 2.38 | 2.03 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-09 | 2.40 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-09 | 2.51 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-09 | 2.43 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-09 | 2.38 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-09 | 2.31 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-09 | 2.33 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-09 | 2.33 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-09 | 2.23 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-09 | 2.18 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-09 | 2.23 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-09 | 2.18 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-09 | 2.09 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-09 | 2.09 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-09 | 2.13 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-09 | 2.08 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-09 | 2.18 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-09 | 2.35 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-09 | 2.43 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-09 | 2.83 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-09 | 3.10 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-09 | 2.85 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-09 | 2.72 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-09 | 2.45 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-09 | 2.45 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-09 | 2.52 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-09 | 2.58 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-09 | 2.60 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-09 | 2.53 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-09 | 2.53 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-09 | 2.67 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-09 | 2.70 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-09 | 2.73 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-09 | 2.77 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-09 | 2.78 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-09 | 3.02 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-09 | 2.98 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-09 | 3.01 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-09 | 2.98 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-09 | 2.85 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-09 | 2.82 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-09 | 2.77 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-09 | 2.78 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-09 | 2.78 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-09 | 2.95 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-09 | 3.12 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-09 | 3.20 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-09 | 3.18 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-09 | 3.25 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-09 | 3.35 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-09 | 3.40 | 3.02 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-09 | 3.46 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-09 | 3.32 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-09 | 3.25 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-09 | 3.18 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-09 | 3.35 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-09 | 3.22 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-09 | 3.38 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-09 | 3.75 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-09 | 3.88 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-09 | 4.08 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-09 | 4.23 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-09 | 4.39 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-09 | 4.50 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-09 | 4.57 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-09 | 4.56 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-09 | 4.52 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-09 | 4.51 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-09 | 4.45 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-09 | 4.50 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-09 | 4.51 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-09 | 4.44 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-09 | 4.37 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-09 | 4.29 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-09 | 4.31 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-09 | 4.32 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-09 | 4.29 | 4.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-09 | 4.21 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-09 | 4.16 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-09 | 4.02 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-09 | 3.99 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-09 | 3.94 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-09 | 4.10 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-09 | 4.02 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-09 | 3.99 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-09 | 4.04 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-09 | 4.14 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-09 | 4.23 | 4.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-09 | 4.28 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-09 | 4.38 | 4.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-09 | 4.44 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-09 | 4.55 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-09 | 4.59 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-09 | 4.62 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-09 | 4.69 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-09 | 4.71 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-09 | 4.70 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-09 | 4.70 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-09 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-09 | 4.68 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-09 | 4.69 | 4.65 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-09 | 4.75 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-09 | 4.76 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-09 | 4.82 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-09 | 5.01 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-09 | 5.13 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-09 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-09 | 5.27 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-09 | 5.36 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-09 | 5.46 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-09 | 5.49 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-09 | 5.53 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-09 | 5.58 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-09 | 5.58 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-09 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-09 | 5.52 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-09 | 5.50 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-09 | 4.05 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-09 | 4.02 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-09 | 4.02 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-09 | 3.99 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-09 | 4.07 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-09 | 4.16 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-09 | 4.05 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-09 | 3.93 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-09 | 3.86 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-09 | 3.85 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-09 | 3.92 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-09 | 3.91 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-09 | 3.87 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-09 | 3.85 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-09 | 3.88 | 3.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-09 | 4.00 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-09 | 4.08 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-09 | 4.14 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-09 | 4.16 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-09 | 4.12 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-09 | 4.02 | 3.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-09 | 3.80 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-09 | 3.67 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-09 | 3.47 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-09 | 3.34 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-09 | 3.19 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-09 | 3.05 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-09 | 2.94 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-09 | 2.84 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-09 | 2.83 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-09 | 2.89 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-09 | 2.92 | 2.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-09 | 2.97 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-09 | 3.02 | 2.74 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-09 | 3.03 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-09 | 3.05 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-09 | 3.06 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-09 | 2.97 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-09 | 2.72 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-09 | 2.65 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-09 | 2.57 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-09 | 2.54 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-09 | 2.55 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-09 | 2.55 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-09 | 2.67 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-09 | 2.72 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-09 | 2.75 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-09 | 2.69 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-09 | 2.72 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-09 | 2.62 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-09 | 2.57 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-09 | 2.48 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-09 | 2.37 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-09 | 2.32 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-09 | 2.22 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-09 | 2.19 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-09 | 2.22 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-09 | 2.23 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-09 | 2.25 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-09 | 2.32 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-09 | 2.42 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-09 | 2.52 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-09 | 2.67 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-09 | 2.72 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-09 | 2.77 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-09 | 2.79 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-09 | 2.76 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-09 | 2.72 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-09 | 2.70 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-09 | 2.52 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-09 | 2.38 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-09 | 2.29 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-09 | 2.32 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-09 | 2.39 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-09 | 2.32 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-09 | 2.32 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-09 | 2.37 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-09 | 2.39 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-09 | 2.34 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-09 | 2.32 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-09 | 2.32 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-09 | 2.35 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-09 | 2.22 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-09 | 2.17 | 1.79 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-09 | 2.12 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-09 | 2.12 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-09 | 2.06 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-09 | 2.05 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-09 | 1.92 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-09 | 1.85 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-09 | 1.95 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-09 | 2.02 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-10 | 2.07 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-10 | 2.05 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-10 | 2.12 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-10 | 2.05 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-10 | 2.02 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-10 | 1.99 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-10 | 1.95 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-10 | 1.94 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-10 | 1.92 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-10 | 1.85 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-10 | 1.77 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-10 | 1.82 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-10 | 1.86 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-10 | 1.77 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-10 | 1.88 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-10 | 1.93 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-10 | 1.96 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-10 | 1.93 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-10 | 1.92 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-10 | 1.92 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-10 | 1.85 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-10 | 1.87 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-10 | 1.83 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-10 | 1.65 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-10 | 1.63 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-10 | 1.67 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-10 | 1.72 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-10 | 1.77 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-10 | 1.76 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-10 | 1.85 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-10 | 1.96 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-10 | 1.95 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-10 | 2.22 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-10 | 2.15 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-10 | 2.05 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-10 | 1.82 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-10 | 1.75 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-10 | 1.56 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-10 | 1.54 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-10 | 1.59 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-10 | 1.64 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-10 | 1.70 | 1.27 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-10 | 1.67 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-10 | 1.67 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-10 | 1.77 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-10 | 1.79 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-10 | 1.82 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-10 | 1.80 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-10 | 1.78 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-10 | 1.72 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-10 | 1.77 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-10 | 1.67 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-10 | 1.62 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-10 | 1.60 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-10 | 1.57 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-10 | 1.60 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-10 | 1.72 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-10 | 1.82 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-10 | 1.91 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-10 | 2.14 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-10 | 2.23 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-10 | 2.29 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-10 | 2.25 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-10 | 2.17 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-10 | 2.12 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-10 | 1.99 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-10 | 1.88 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-10 | 1.82 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-10 | 1.69 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-10 | 1.62 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-10 | 1.72 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-10 | 1.69 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-10 | 1.71 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-10 | 1.85 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-10 | 1.97 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-10 | 2.01 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-10 | 2.02 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-10 | 2.05 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-10 | 1.97 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-10 | 1.94 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-10 | 1.92 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-10 | 1.97 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-10 | 1.98 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-10 | 2.06 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-10 | 1.96 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-10 | 2.17 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-10 | 2.30 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-10 | 2.43 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-10 | 2.59 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-10 | 2.72 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-10 | 2.77 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-10 | 2.88 | 2.40 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-10 | 2.91 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-10 | 2.82 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-10 | 2.65 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-10 | 2.50 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-10 | 2.42 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-10 | 2.22 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-10 | 2.19 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-10 | 2.47 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-10 | 2.79 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-10 | 2.72 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-10 | 2.76 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-10 | 2.87 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-10 | 2.92 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-10 | 2.83 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-10 | 2.87 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-10 | 2.82 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-10 | 2.86 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-10 | 2.96 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-10 | 3.12 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-10 | 3.14 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-10 | 3.02 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-10 | 2.97 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-10 | 3.01 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-10 | 3.11 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-10 | 3.21 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-10 | 3.29 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-10 | 3.46 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-10 | 3.70 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-10 | 3.76 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-10 | 3.65 | 3.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-10 | 3.56 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-10 | 3.41 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-10 | 3.21 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-10 | 3.06 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-10 | 2.91 | 2.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-10 | 2.84 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-10 | 2.81 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-10 | 2.83 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-10 | 3.00 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-10 | 3.06 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-10 | 3.16 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-10 | 3.25 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-10 | 3.31 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-10 | 3.34 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-10 | 3.35 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-10 | 3.28 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-10 | 3.49 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-10 | 3.73 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-10 | 3.93 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-10 | 4.00 | 3.93 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-10 | 4.01 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-10 | 4.00 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-10 | 3.97 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-10 | 4.01 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-10 | 4.09 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-10 | 4.23 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-10 | 4.26 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-10 | 4.26 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-10 | 4.19 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-10 | 4.11 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-10 | 4.08 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-10 | 3.99 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-10 | 3.98 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-10 | 3.92 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-10 | 3.95 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-10 | 4.00 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-10 | 4.06 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-10 | 4.08 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-10 | 4.17 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-10 | 4.19 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-10 | 4.38 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-10 | 4.48 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-10 | 4.60 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-10 | 4.67 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-10 | 4.61 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-10 | 4.62 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-10 | 4.57 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-10 | 4.54 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-10 | 4.57 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-10 | 4.52 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-10 | 4.51 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-10 | 4.52 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-10 | 4.54 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-10 | 4.64 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-10 | 4.81 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-10 | 4.81 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-10 | 4.86 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-10 | 4.97 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-10 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-10 | 5.27 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-10 | 5.25 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-10 | 5.28 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-10 | 5.28 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-10 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-10 | 5.26 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-10 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-10 | 5.21 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-10 | 5.15 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-10 | 5.10 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-10 | 5.11 | 5.07 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-10 | 5.13 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-10 | 5.25 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-10 | 5.32 | 5.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-10 | 5.33 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-10 | 5.37 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-10 | 5.37 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-10 | 5.36 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-10 | 5.33 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-10 | 5.30 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-10 | 5.29 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-10 | 5.29 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-10 | 5.32 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-10 | 5.36 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-10 | 5.47 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-10 | 5.55 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-10 | 5.57 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-10 | 5.53 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-10 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-10 | 5.52 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-10 | 5.54 | 5.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-10 | 5.51 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-10 | 5.46 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-10 | 5.43 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-10 | 5.38 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-10 | 5.34 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-10 | 5.32 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-10 | 5.29 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-10 | 5.26 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-10 | 5.19 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-10 | 5.19 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-10 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-10 | 5.18 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-10 | 5.13 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-10 | 5.14 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-10 | 5.19 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-10 | 5.10 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-10 | 5.00 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-10 | 4.89 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-10 | 4.88 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-10 | 4.91 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-10 | 4.97 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-10 | 4.99 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-10 | 5.02 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-10 | 5.10 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-10 | 5.18 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-10 | 5.27 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-10 | 5.38 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-10 | 5.47 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-10 | 5.51 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-10 | 5.58 | 5.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-10 | 5.58 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-10 | 5.61 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-10 | 5.68 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-10 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-10 | 5.72 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-10 | 5.72 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-10 | 5.78 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-10 | 5.88 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-10 | 5.88 | 5.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-10 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-10 | 5.91 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-10 | 5.91 | 5.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-10 | 5.89 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-10 | 5.90 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-10 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-10 | 5.94 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-10 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-10 | 5.96 | 5.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-10 | 5.98 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-10 | 6.01 | 5.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-10 | 6.01 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-10 | 5.99 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-10 | 5.95 | 5.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-10 | 5.94 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-10 | 5.92 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-10 | 5.92 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-10 | 5.91 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-10 | 5.92 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-10 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-10 | 5.88 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-10 | 5.80 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-10 | 5.70 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-10 | 5.63 | 5.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-10 | 5.56 | 5.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-10 | 5.48 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-10 | 5.42 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-10 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-10 | 5.43 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-10 | 5.61 | 5.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-10 | 5.69 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-10 | 5.57 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-10 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-10 | 5.38 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-10 | 5.29 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-10 | 5.04 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-10 | 4.89 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-10 | 4.85 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-10 | 4.78 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-10 | 4.66 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-10 | 4.56 | 4.48 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-10 | 4.46 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-10 | 4.44 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-10 | 4.37 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-10 | 4.37 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-10 | 4.30 | 4.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-10 | 4.25 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-10 | 4.21 | 4.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-10 | 4.11 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-10 | 3.91 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-10 | 3.86 | 3.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-10 | 3.65 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-10 | 3.51 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-10 | 3.32 | 3.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-10 | 3.37 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-10 | 3.32 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-10 | 3.43 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-10 | 3.51 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-10 | 3.52 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-10 | 3.50 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-10 | 3.51 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-10 | 3.30 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-10 | 3.27 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-10 | 3.22 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-10 | 3.04 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-10 | 2.97 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-10 | 2.86 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-10 | 2.77 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-10 | 2.74 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-10 | 2.77 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-10 | 2.87 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-10 | 2.90 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-10 | 2.91 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-10 | 2.92 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-10 | 2.99 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-10 | 2.97 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-10 | 2.92 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-10 | 2.86 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-10 | 2.77 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-10 | 2.80 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-10 | 2.77 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-10 | 2.66 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-10 | 2.72 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-10 | 2.52 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-10 | 2.52 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-10 | 2.66 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-10 | 2.75 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-10 | 2.77 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-10 | 2.91 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-10 | 2.92 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-10 | 2.94 | 2.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-10 | 2.95 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-10 | 3.02 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-10 | 2.83 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-10 | 2.74 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-10 | 2.70 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-10 | 2.52 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-10 | 2.44 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-10 | 2.35 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-10 | 2.35 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-10 | 2.43 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-10 | 2.50 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-10 | 2.43 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-10 | 2.42 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-10 | 2.52 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-10 | 2.61 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-10 | 2.64 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-10 | 2.63 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-10 | 2.53 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-10 | 2.52 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-10 | 2.50 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-10 | 2.34 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-10 | 2.32 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-10 | 2.34 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-11 | 2.39 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-11 | 2.42 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-11 | 2.34 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-11 | 2.32 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-11 | 2.39 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-11 | 2.44 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-11 | 2.42 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-11 | 2.36 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-11 | 2.32 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-11 | 2.30 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-11 | 2.17 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-11 | 2.14 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-11 | 1.99 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-11 | 2.07 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-11 | 2.09 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-11 | 2.20 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-11 | 2.21 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-11 | 2.27 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-11 | 2.27 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-11 | 2.39 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-11 | 2.49 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-11 | 2.52 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-11 | 2.44 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-11 | 2.34 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-11 | 2.32 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-11 | 2.27 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-11 | 2.22 | 1.87 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-11 | 2.09 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-11 | 1.97 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-11 | 1.97 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-11 | 1.99 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-11 | 2.02 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-11 | 2.09 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-11 | 2.12 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-11 | 2.18 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-11 | 2.23 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-11 | 2.20 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-11 | 2.18 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-11 | 2.09 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-11 | 2.05 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-11 | 2.02 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-11 | 1.85 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-11 | 1.82 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-11 | 1.78 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-11 | 1.77 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-11 | 1.97 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-11 | 2.02 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-11 | 2.13 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-11 | 2.27 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-11 | 2.39 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-11 | 2.42 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-11 | 2.45 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-11 | 2.27 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-11 | 2.05 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-11 | 1.92 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-11 | 1.87 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-11 | 1.77 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-11 | 1.72 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-11 | 1.77 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-11 | 1.83 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-11 | 1.77 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-11 | 1.84 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-11 | 2.05 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-11 | 2.12 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-11 | 2.19 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-11 | 2.23 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-11 | 2.12 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-11 | 2.02 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-11 | 2.05 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-11 | 1.97 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-11 | 1.93 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-11 | 1.87 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-11 | 1.79 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-11 | 1.82 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-11 | 1.83 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-11 | 2.07 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-11 | 2.19 | 1.76 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-11 | 2.67 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-11 | 2.83 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-11 | 2.97 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-11 | 2.99 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-11 | 2.85 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-11 | 2.70 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-11 | 2.45 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-11 | 2.37 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-11 | 2.27 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-11 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-11 | 2.09 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-11 | 2.10 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-11 | 2.27 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-11 | 2.42 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-11 | 2.48 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-11 | 2.45 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-11 | 2.47 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-11 | 2.46 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-11 | 2.45 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-11 | 2.45 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-11 | 2.37 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-11 | 2.27 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-11 | 2.22 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-11 | 2.21 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-11 | 2.19 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-11 | 2.23 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-11 | 2.22 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-11 | 2.29 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-11 | 2.45 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-11 | 2.52 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-11 | 2.59 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-11 | 2.90 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-11 | 2.92 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-11 | 2.87 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-11 | 2.72 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-11 | 2.61 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-11 | 2.49 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-11 | 2.27 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-11 | 2.21 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-11 | 2.23 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-11 | 2.25 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-11 | 2.24 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-11 | 2.43 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-11 | 2.04 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-11 | 2.16 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-11 | 2.32 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-11 | 2.37 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-11 | 2.38 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-11 | 2.39 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-11 | 2.42 | 2.01 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-11 | 2.27 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-11 | 2.17 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-11 | 2.22 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-11 | 2.30 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-11 | 2.39 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-11 | 2.42 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-11 | 2.44 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-11 | 2.44 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-11 | 2.54 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-11 | 2.60 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-11 | 2.65 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-11 | 2.62 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-11 | 2.74 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-11 | 2.77 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-11 | 2.70 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-11 | 2.64 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-11 | 2.51 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-11 | 2.42 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-11 | 2.44 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-11 | 2.37 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-11 | 2.33 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-11 | 2.47 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-11 | 2.57 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-11 | 2.57 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-11 | 2.70 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-11 | 2.80 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-11 | 2.83 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-11 | 2.84 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-11 | 2.85 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-11 | 2.82 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-11 | 2.77 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-11 | 2.95 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-11 | 2.90 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-11 | 3.02 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-11 | 3.19 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-11 | 3.17 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-11 | 3.19 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-11 | 3.21 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-11 | 3.40 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-11 | 3.52 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-11 | 3.78 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-11 | 3.75 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-11 | 3.70 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-11 | 3.57 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-11 | 3.56 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-11 | 3.40 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-11 | 3.43 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-11 | 3.28 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-11 | 3.21 | 3.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-11 | 3.23 | 3.07 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-11 | 3.20 | 3.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-11 | 3.38 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-11 | 3.49 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-11 | 3.60 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-11 | 3.75 | 3.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-11 | 3.89 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-11 | 3.99 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-11 | 4.10 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-11 | 4.25 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-11 | 4.37 | 4.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-11 | 4.44 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-11 | 4.48 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-11 | 4.49 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-11 | 4.51 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-11 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-11 | 4.57 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-11 | 4.62 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-11 | 4.69 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-11 | 4.74 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-11 | 4.75 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-11 | 4.79 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-11 | 4.84 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-11 | 4.88 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-11 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-11 | 4.93 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-11 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-11 | 5.02 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-11 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-11 | 4.99 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-11 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-11 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-11 | 4.99 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-11 | 5.00 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-11 | 5.01 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-11 | 5.06 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-11 | 5.11 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-11 | 5.16 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-11 | 5.20 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-11 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-11 | 5.31 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-11 | 5.36 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-11 | 5.34 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-11 | 5.34 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-11 | 5.43 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-11 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-11 | 5.48 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-11 | 5.49 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-11 | 5.52 | 5.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-11 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-11 | 5.56 | 5.55 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-11 | 5.56 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-11 | 5.60 | 5.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-11 | 5.65 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-11 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-11 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-11 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-11 | 5.68 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-11 | 5.68 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-11 | 5.68 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-11 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-11 | 5.67 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-11 | 5.67 | 5.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-11 | 5.66 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-11 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-11 | 5.65 | 5.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-11 | 5.64 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-11 | 5.65 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-11 | 5.61 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-11 | 5.57 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-11 | 5.51 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-11 | 5.42 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-11 | 5.30 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-11 | 5.19 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-11 | 5.07 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-11 | 4.99 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-11 | 4.89 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-11 | 4.78 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-11 | 4.66 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-11 | 4.56 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-11 | 4.55 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-11 | 4.58 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-11 | 4.61 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-11 | 4.65 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-11 | 4.62 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-11 | 4.60 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-11 | 4.59 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-11 | 4.63 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-11 | 4.65 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-11 | 4.68 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-11 | 4.68 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-11 | 4.67 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-11 | 4.70 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-11 | 4.72 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-11 | 4.73 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-11 | 4.78 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-11 | 4.79 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-11 | 4.82 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-11 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-11 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-11 | 4.74 | 4.70 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-11 | 4.68 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-11 | 4.58 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-11 | 4.46 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-11 | 4.31 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-11 | 4.17 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-11 | 4.06 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-11 | 3.95 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-11 | 3.82 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-11 | 3.77 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-11 | 3.66 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-11 | 3.56 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-11 | 3.47 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-11 | 3.42 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-11 | 3.35 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-11 | 3.39 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-11 | 3.16 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-11 | 3.09 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-11 | 3.08 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-11 | 3.09 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-11 | 3.17 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-11 | 3.22 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-11 | 3.24 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-11 | 3.28 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-11 | 3.32 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-11 | 3.37 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-11 | 3.31 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-11 | 3.17 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-11 | 3.05 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-11 | 2.91 | 2.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-11 | 2.74 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-11 | 2.69 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-11 | 2.74 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-11 | 2.76 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-11 | 2.84 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-11 | 2.89 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-11 | 2.94 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-11 | 2.94 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-11 | 2.91 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-11 | 2.94 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-11 | 2.98 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-11 | 2.94 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-11 | 2.89 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-11 | 2.91 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-11 | 2.92 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-11 | 2.83 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-11 | 2.76 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-11 | 2.64 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-11 | 2.68 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-11 | 2.79 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-11 | 2.95 | 2.42 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-11 | 2.89 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-11 | 2.87 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-11 | 2.92 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-11 | 2.99 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-11 | 2.94 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-11 | 2.79 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-11 | 2.74 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-11 | 2.64 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-11 | 2.61 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-11 | 2.62 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-11 | 2.54 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-11 | 2.49 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-11 | 2.41 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-11 | 2.39 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-11 | 2.39 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-11 | 2.44 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-11 | 2.47 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-11 | 2.51 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-11 | 2.52 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-11 | 2.54 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-11 | 2.48 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-11 | 2.29 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-11 | 2.34 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-11 | 2.43 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-11 | 2.34 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-11 | 2.27 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-11 | 2.30 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-11 | 2.24 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-11 | 2.35 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-11 | 2.41 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-11 | 2.45 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-11 | 2.45 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-11 | 2.57 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-11 | 2.79 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-11 | 2.81 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-11 | 2.69 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-11 | 2.60 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-11 | 2.61 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-12 | 2.57 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-12 | 2.47 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-12 | 2.28 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-12 | 2.24 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-12 | 2.27 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-12 | 2.39 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-12 | 2.44 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-12 | 2.34 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-12 | 2.37 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-12 | 2.44 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-12 | 2.54 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-12 | 2.55 | 2.05 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-12 | 2.44 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-12 | 2.32 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-12 | 2.28 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-12 | 2.19 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-12 | 2.08 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-12 | 2.04 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-12 | 2.07 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-12 | 2.22 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-12 | 2.31 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-12 | 2.34 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-12 | 2.27 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-12 | 2.26 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-12 | 2.29 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-12 | 2.31 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-12 | 2.19 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-12 | 2.04 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-12 | 2.09 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-12 | 1.99 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-12 | 1.97 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-12 | 1.89 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-12 | 1.77 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-12 | 1.81 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-12 | 1.84 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-12 | 1.91 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-12 | 1.99 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-12 | 2.12 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-12 | 2.26 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-12 | 2.44 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-12 | 2.49 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-12 | 2.51 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-12 | 2.35 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-12 | 2.19 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-12 | 2.20 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-12 | 2.00 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-12 | 1.99 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-12 | 1.99 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-12 | 2.13 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-12 | 2.19 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-12 | 2.14 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-12 | 2.09 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-12 | 2.19 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-12 | 2.27 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-12 | 2.29 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-12 | 2.21 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-12 | 2.14 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-12 | 2.14 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-12 | 2.14 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-12 | 2.12 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-12 | 1.99 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-12 | 1.99 | 1.59 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-12 | 1.99 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-12 | 1.94 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-12 | 2.03 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-12 | 2.14 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-12 | 2.26 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-12 | 2.44 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-12 | 2.52 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-12 | 2.57 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-12 | 2.59 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-12 | 2.49 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-12 | 2.44 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-12 | 2.24 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-12 | 2.14 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-12 | 2.05 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-12 | 1.99 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-12 | 1.96 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-12 | 2.04 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-12 | 2.19 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-12 | 2.27 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-12 | 1.85 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-12 | 1.96 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-12 | 1.98 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-12 | 1.89 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-12 | 1.82 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-12 | 1.79 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-12 | 1.78 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-12 | 1.75 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-12 | 1.71 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-12 | 1.65 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-12 | 1.61 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-12 | 1.57 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-12 | 1.61 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-12 | 1.71 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-12 | 1.82 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-12 | 1.91 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-12 | 2.18 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-12 | 2.33 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-12 | 2.56 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-12 | 2.59 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-12 | 2.41 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-12 | 2.31 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-12 | 2.18 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-12 | 1.99 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-12 | 1.94 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-12 | 1.91 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-12 | 1.93 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-12 | 2.06 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-12 | 2.08 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-12 | 2.10 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-12 | 2.18 | 1.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-12 | 2.14 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-12 | 2.38 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-12 | 2.41 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-12 | 2.47 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-12 | 2.44 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-12 | 2.33 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-12 | 2.26 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-12 | 2.20 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-12 | 2.31 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-12 | 2.41 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-12 | 2.45 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-12 | 2.49 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-12 | 2.53 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-12 | 2.61 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-12 | 2.71 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-12 | 2.81 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-12 | 2.81 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-12 | 2.86 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-12 | 2.76 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-12 | 2.71 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-12 | 2.61 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-12 | 2.49 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-12 | 2.51 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-12 | 2.52 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-12 | 2.54 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-12 | 2.55 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-12 | 2.43 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-12 | 2.49 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-12 | 2.50 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-12 | 2.46 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-12 | 2.49 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-12 | 2.56 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-12 | 2.79 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-12 | 2.96 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-12 | 2.91 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-12 | 2.78 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-12 | 2.67 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-12 | 2.68 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-12 | 2.66 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-12 | 2.71 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-12 | 2.83 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-12 | 2.91 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-12 | 3.20 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-12 | 3.26 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-12 | 3.30 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-12 | 3.30 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-12 | 3.25 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-12 | 3.20 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-12 | 3.18 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-12 | 3.25 | 3.05 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-12 | 3.50 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-12 | 3.52 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-12 | 3.53 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-12 | 3.54 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-12 | 3.50 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-12 | 3.53 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-12 | 3.58 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-12 | 3.65 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-12 | 3.84 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-12 | 4.00 | 3.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-12 | 4.07 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-12 | 4.08 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-12 | 4.12 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-12 | 4.08 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-12 | 4.08 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-12 | 4.10 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-12 | 4.12 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-12 | 4.23 | 4.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-12 | 4.43 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-12 | 4.56 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-12 | 4.73 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-12 | 4.84 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-12 | 4.99 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-12 | 5.03 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-12 | 5.03 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-12 | 5.00 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-12 | 4.94 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-12 | 4.89 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-12 | 4.82 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-12 | 4.80 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-12 | 4.73 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-12 | 4.73 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-12 | 4.63 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-12 | 4.55 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-12 | 4.54 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-12 | 4.58 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-12 | 4.65 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-12 | 4.79 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-12 | 4.87 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-12 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-12 | 5.07 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-12 | 5.21 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-12 | 5.27 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-12 | 5.29 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-12 | 5.29 | 5.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-12 | 5.29 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-12 | 5.28 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-12 | 5.25 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-12 | 5.22 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-12 | 5.21 | 5.17 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-12 | 5.21 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-12 | 5.20 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-12 | 5.17 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-12 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-12 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-12 | 5.15 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-12 | 5.16 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-12 | 5.14 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-12 | 5.13 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-12 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-12 | 4.98 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-12 | 4.94 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-12 | 4.95 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-12 | 4.98 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-12 | 4.98 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-12 | 4.84 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-12 | 4.77 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-12 | 4.77 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-12 | 4.78 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-12 | 4.77 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-12 | 4.77 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-12 | 4.79 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-12 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-12 | 4.70 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-12 | 4.66 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-12 | 4.64 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-12 | 4.60 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-12 | 4.58 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-12 | 4.57 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-12 | 4.60 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-12 | 4.65 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-12 | 4.70 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-12 | 4.77 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-12 | 4.78 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-12 | 4.79 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-12 | 4.87 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-12 | 4.90 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-12 | 4.88 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-12 | 4.80 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-12 | 4.74 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-12 | 4.68 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-12 | 4.67 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-12 | 4.65 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-12 | 4.57 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-12 | 4.52 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-12 | 4.48 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-12 | 4.47 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-12 | 4.54 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-12 | 4.62 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-12 | 4.72 | 4.63 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-12 | 4.77 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-12 | 4.83 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-12 | 4.83 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-12 | 4.85 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-12 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-12 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-12 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-12 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-12 | 5.10 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-12 | 5.22 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-12 | 5.31 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-12 | 5.40 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-12 | 5.46 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-12 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-12 | 5.48 | 5.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-12 | 5.48 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-12 | 5.39 | 5.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-12 | 5.30 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-12 | 5.23 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-12 | 5.12 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-12 | 4.98 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-12 | 4.90 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-12 | 4.85 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-12 | 4.79 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-12 | 4.73 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-12 | 4.68 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-12 | 4.55 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-12 | 4.54 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-12 | 4.48 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-12 | 4.41 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-12 | 4.28 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-12 | 4.14 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-12 | 3.99 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-12 | 3.81 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-12 | 3.63 | 3.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-12 | 3.49 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-12 | 3.33 | 3.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-12 | 3.20 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-12 | 3.13 | 3.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-12 | 3.05 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-12 | 3.07 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-12 | 3.06 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-12 | 3.15 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-12 | 3.08 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-12 | 3.08 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-12 | 3.03 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-12 | 2.80 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-12 | 2.81 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-12 | 2.70 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-12 | 2.60 | 2.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-12 | 2.61 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-12 | 2.56 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-12 | 2.50 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-12 | 2.56 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-12 | 2.65 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-12 | 2.85 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-12 | 2.95 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-12 | 2.88 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-12 | 2.81 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-12 | 2.76 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-12 | 2.67 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-12 | 2.72 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-12 | 2.58 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-12 | 2.50 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-12 | 2.51 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-12 | 2.48 | 2.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-12 | 2.40 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-12 | 2.35 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-12 | 2.42 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-12 | 2.45 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-12 | 2.41 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-12 | 2.35 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-12 | 2.40 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-12 | 2.40 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-12 | 2.38 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-12 | 2.30 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-12 | 2.24 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-12 | 2.26 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-12 | 2.19 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-12 | 2.10 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-12 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-12 | 2.12 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-12 | 2.16 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-12 | 2.21 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-12 | 2.34 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-12 | 2.39 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-12 | 2.44 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-12 | 2.49 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-12 | 2.39 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-12 | 2.36 | 1.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-12 | 2.24 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-12 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-12 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-12 | 1.94 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-12 | 1.79 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-12 | 1.74 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-12 | 1.74 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-12 | 1.81 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-12 | 1.85 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-12 | 1.86 | 1.46 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-12 | 1.89 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-12 | 1.99 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-12 | 2.04 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-12 | 2.02 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-13 | 1.96 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-13 | 1.95 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-13 | 1.92 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-13 | 1.81 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-13 | 1.74 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-13 | 1.64 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-13 | 1.60 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-13 | 1.67 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-13 | 1.70 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-13 | 1.82 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-13 | 1.94 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-13 | 1.99 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-13 | 2.06 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-13 | 2.09 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-13 | 2.06 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-13 | 2.04 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-13 | 1.94 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-13 | 1.84 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-13 | 1.76 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-13 | 1.77 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-13 | 1.75 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-13 | 1.54 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-13 | 1.57 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-13 | 1.59 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-13 | 1.59 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-13 | 1.64 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-13 | 1.64 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-13 | 1.72 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-13 | 1.81 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-13 | 1.86 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-13 | 1.89 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-13 | 1.79 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-13 | 1.80 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-13 | 1.77 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-13 | 1.66 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-13 | 1.65 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-13 | 1.65 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-13 | 1.64 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-13 | 1.70 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-13 | 1.66 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-13 | 1.66 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-13 | 1.73 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-13 | 1.74 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-13 | 1.82 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-13 | 1.86 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-13 | 1.74 | 1.47 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-13 | 1.66 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-13 | 1.54 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-13 | 1.42 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-13 | 1.37 | 1.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-13 | 1.29 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-13 | 1.24 | 1.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-13 | 1.34 | 0.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-13 | 1.44 | 0.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-13 | 1.44 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-13 | 1.56 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-13 | 1.68 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-13 | 1.73 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-13 | 1.76 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-13 | 1.72 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-13 | 1.64 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-13 | 1.59 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-13 | 1.62 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-13 | 1.65 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-13 | 1.54 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-13 | 1.47 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-13 | 1.59 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-13 | 1.65 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-13 | 1.72 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-13 | 1.84 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-13 | 1.97 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-13 | 1.99 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-13 | 2.05 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-13 | 1.99 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-13 | 1.84 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-13 | 1.75 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-13 | 1.74 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-13 | 1.72 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-13 | 1.59 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-13 | 1.44 | 1.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-13 | 1.44 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-13 | 1.56 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-13 | 1.62 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-13 | 1.64 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-13 | 1.76 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-13 | 1.85 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-13 | 1.99 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-13 | 2.02 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-13 | 2.05 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-13 | 1.96 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-13 | 1.90 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-13 | 1.89 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-13 | 1.72 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-13 | 1.69 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-13 | 1.72 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-13 | 1.69 | 1.35 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-13 | 1.74 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-13 | 1.90 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-13 | 1.98 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-13 | 2.04 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-13 | 2.09 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-13 | 2.19 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-13 | 2.16 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-13 | 2.14 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-13 | 2.09 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-13 | 2.06 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-13 | 2.02 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-13 | 1.99 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-13 | 1.95 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-13 | 1.84 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-13 | 1.79 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-13 | 1.79 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-13 | 1.84 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-13 | 1.96 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-13 | 2.09 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-13 | 2.27 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-13 | 2.36 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-13 | 2.59 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-13 | 2.60 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-13 | 2.57 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-13 | 2.44 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-13 | 2.39 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-13 | 2.39 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-13 | 2.50 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-13 | 2.50 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-13 | 2.39 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-13 | 2.54 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-13 | 2.66 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-13 | 2.67 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-13 | 2.74 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-13 | 2.86 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-13 | 2.94 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-13 | 2.94 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-13 | 2.96 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-13 | 2.91 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-13 | 2.88 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-13 | 2.92 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-13 | 2.94 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-13 | 2.92 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-13 | 2.96 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-13 | 2.97 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-13 | 3.12 | 2.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-13 | 3.29 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-13 | 3.40 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-13 | 3.48 | 3.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-13 | 3.55 | 3.16 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-13 | 3.63 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-13 | 3.65 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-13 | 3.68 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-13 | 3.80 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-13 | 3.78 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-13 | 3.73 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-13 | 3.48 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-13 | 3.30 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-13 | 3.15 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-13 | 3.14 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-13 | 3.27 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-13 | 3.40 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-13 | 3.45 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-13 | 3.47 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-13 | 3.49 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-13 | 3.51 | 3.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-13 | 3.49 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-13 | 3.50 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-13 | 3.55 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-13 | 3.53 | 3.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-13 | 3.52 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-13 | 3.40 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-13 | 3.36 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-13 | 3.23 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-13 | 3.33 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-13 | 3.27 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-13 | 3.33 | 2.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-13 | 3.50 | 3.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-13 | 3.63 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-13 | 3.87 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-13 | 3.90 | 3.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-13 | 3.95 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-13 | 3.97 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-13 | 3.97 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-13 | 3.98 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-13 | 3.90 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-13 | 3.93 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-13 | 3.98 | 3.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-13 | 4.12 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-13 | 4.21 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-13 | 4.26 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-13 | 4.32 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-13 | 4.38 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-13 | 4.49 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-13 | 4.60 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-13 | 4.73 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-13 | 4.87 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-13 | 4.93 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-13 | 4.95 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-13 | 4.96 | 4.93 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-13 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-13 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-13 | 4.97 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-13 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-13 | 4.96 | 4.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-13 | 4.96 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-13 | 4.98 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-13 | 5.00 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-13 | 5.04 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-13 | 5.08 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-13 | 5.12 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-13 | 5.12 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-13 | 5.13 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-13 | 5.15 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-13 | 5.12 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-13 | 5.09 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-13 | 5.05 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-13 | 5.01 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-13 | 4.95 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-13 | 4.92 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-13 | 4.90 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-13 | 4.99 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-13 | 5.01 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-13 | 5.01 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-13 | 5.01 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-13 | 5.03 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-13 | 5.05 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-13 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-13 | 5.10 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-13 | 5.14 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-13 | 5.20 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-13 | 5.23 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-13 | 5.23 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-13 | 5.21 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-13 | 5.16 | 5.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-13 | 5.10 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-13 | 5.04 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-13 | 5.02 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-13 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-13 | 4.92 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-13 | 4.87 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-13 | 4.81 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-13 | 4.80 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-13 | 4.82 | 4.77 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-13 | 4.86 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-13 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-13 | 5.00 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-13 | 5.06 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-13 | 5.15 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-13 | 5.22 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-13 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-13 | 5.34 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-13 | 5.37 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-13 | 5.37 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-13 | 5.37 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-13 | 5.35 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-13 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-13 | 5.25 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-13 | 5.20 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-13 | 5.14 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-13 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-13 | 4.94 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-13 | 4.84 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-13 | 4.64 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-13 | 4.49 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-13 | 4.31 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-13 | 4.17 | 4.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-13 | 4.10 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-13 | 3.96 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-13 | 3.91 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-13 | 3.93 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-13 | 3.89 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-13 | 3.89 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-13 | 3.91 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-13 | 3.91 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-13 | 4.00 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-13 | 4.03 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-13 | 4.05 | 3.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-13 | 4.04 | 3.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-13 | 3.99 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-13 | 3.93 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-13 | 3.90 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-13 | 3.89 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-13 | 3.93 | 3.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-13 | 3.88 | 3.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-13 | 3.82 | 3.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-13 | 3.80 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-13 | 3.85 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-13 | 3.87 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-13 | 3.91 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-13 | 3.98 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-13 | 3.96 | 3.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-13 | 3.89 | 3.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-13 | 3.83 | 3.62 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-13 | 3.65 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-13 | 3.54 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-13 | 3.44 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-13 | 3.36 | 3.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-13 | 3.24 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-13 | 3.15 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-13 | 3.14 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-13 | 3.18 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-13 | 3.23 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-13 | 3.37 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-13 | 3.39 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-13 | 3.40 | 3.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-13 | 3.38 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-13 | 3.33 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-13 | 3.25 | 2.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-13 | 3.18 | 2.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-13 | 3.09 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-13 | 3.02 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-13 | 2.89 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-13 | 2.72 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-13 | 2.62 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-13 | 2.67 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-13 | 2.72 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-13 | 2.82 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-13 | 2.80 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-13 | 2.79 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-13 | 2.85 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-13 | 2.85 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-13 | 2.78 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-13 | 2.72 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-13 | 2.59 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-13 | 2.51 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-13 | 2.42 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-13 | 2.34 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-13 | 2.28 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-13 | 2.29 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-13 | 2.33 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-13 | 2.43 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-13 | 2.45 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-13 | 2.48 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-13 | 2.56 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-13 | 2.61 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-13 | 2.62 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-13 | 2.73 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-13 | 2.53 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-13 | 2.50 | 2.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-13 | 2.43 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-13 | 2.31 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-13 | 2.28 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-13 | 2.28 | 1.91 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-13 | 2.23 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-13 | 2.18 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-13 | 2.23 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-13 | 2.18 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-13 | 2.13 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-13 | 2.15 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-13 | 2.21 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-13 | 2.30 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-13 | 2.30 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-13 | 2.24 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-13 | 2.16 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-13 | 2.13 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-13 | 2.08 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-13 | 2.01 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-13 | 1.88 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-13 | 1.91 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-13 | 2.00 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-13 | 2.00 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-13 | 2.08 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-14 | 2.11 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-14 | 2.13 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-14 | 2.13 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-14 | 2.21 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-14 | 2.19 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-14 | 2.18 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-14 | 2.11 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-14 | 1.97 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-14 | 1.91 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-14 | 1.83 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-14 | 1.83 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-14 | 1.80 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-14 | 1.84 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-14 | 1.81 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-14 | 1.79 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-14 | 1.78 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-14 | 1.84 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-14 | 1.89 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-14 | 1.93 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-14 | 1.88 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-14 | 1.83 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-14 | 1.83 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-14 | 1.80 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-14 | 1.73 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-14 | 1.64 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-14 | 1.63 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-14 | 1.61 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-14 | 1.53 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-14 | 1.73 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-14 | 1.88 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-14 | 1.94 | 1.48 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-14 | 1.98 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-14 | 2.06 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-14 | 2.03 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-14 | 1.95 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-14 | 1.84 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-14 | 1.84 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-14 | 1.71 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-14 | 1.61 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-14 | 1.58 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-14 | 1.53 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-14 | 1.58 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-14 | 1.63 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-14 | 1.63 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-14 | 1.70 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-14 | 1.72 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-14 | 1.83 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-14 | 1.88 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-14 | 1.83 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-14 | 1.76 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-14 | 1.78 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-14 | 1.71 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-14 | 1.65 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-14 | 1.58 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-14 | 1.59 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-14 | 1.53 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-14 | 1.53 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-14 | 1.60 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-14 | 1.68 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-14 | 1.78 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-14 | 1.91 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-14 | 1.95 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-14 | 1.99 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-14 | 1.93 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-14 | 1.83 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-14 | 1.64 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-14 | 1.53 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-14 | 1.43 | 1.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-14 | 1.38 | 1.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-14 | 1.28 | 1.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-14 | 1.32 | 1.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-14 | 1.43 | 1.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-14 | 1.45 | 1.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-14 | 1.56 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-14 | 1.63 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-14 | 1.75 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-14 | 1.77 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-14 | 1.83 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-14 | 1.88 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-14 | 1.89 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-14 | 1.84 | 1.61 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-14 | 1.71 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-14 | 1.69 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-14 | 1.70 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-14 | 1.63 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-14 | 1.63 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-14 | 1.71 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-14 | 1.84 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-14 | 2.01 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-14 | 2.11 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-14 | 1.90 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-14 | 1.89 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-14 | 1.72 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-14 | 1.69 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-14 | 1.72 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-14 | 1.69 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-14 | 1.74 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-14 | 1.90 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-14 | 1.98 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-14 | 2.04 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-14 | 2.09 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-14 | 2.19 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-14 | 2.16 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-14 | 2.14 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-14 | 2.09 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-14 | 2.06 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-14 | 2.02 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-14 | 1.99 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-14 | 1.95 | 1.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-14 | 1.84 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-14 | 1.79 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-14 | 1.79 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-14 | 1.84 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-14 | 1.96 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-14 | 2.09 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-14 | 2.27 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-14 | 2.36 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-14 | 2.59 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-14 | 2.64 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-14 | 2.57 | 2.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-14 | 2.51 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-14 | 2.53 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-14 | 2.43 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-14 | 2.22 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-14 | 1.98 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-14 | 1.97 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-14 | 1.91 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-14 | 1.99 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-14 | 2.19 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-14 | 2.19 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-14 | 2.38 | 1.98 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-14 | 2.45 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-14 | 2.42 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-14 | 2.58 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-14 | 2.71 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-14 | 2.83 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-14 | 2.92 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-14 | 3.04 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-14 | 3.11 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-14 | 3.05 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-14 | 3.00 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-14 | 3.05 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-14 | 3.12 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-14 | 3.21 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-14 | 3.17 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-14 | 3.13 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-14 | 3.21 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-14 | 3.21 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-14 | 3.13 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-14 | 3.03 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-14 | 3.01 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-14 | 2.98 | 2.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-14 | 3.08 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-14 | 3.11 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-14 | 3.01 | 2.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-14 | 2.85 | 2.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-14 | 2.83 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-14 | 2.85 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-14 | 2.83 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-14 | 2.86 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-14 | 2.88 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-14 | 3.03 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-14 | 3.24 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-14 | 3.41 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-14 | 3.53 | 3.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-14 | 3.53 | 3.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-14 | 3.61 | 3.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-14 | 3.66 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-14 | 3.61 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-14 | 3.66 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-14 | 3.64 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-14 | 3.78 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-14 | 3.79 | 3.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-14 | 3.81 | 3.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-14 | 3.83 | 3.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-14 | 3.77 | 3.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-14 | 3.82 | 3.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-14 | 3.95 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-14 | 4.19 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-14 | 4.27 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-14 | 4.29 | 4.19 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-14 | 4.36 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-14 | 4.37 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-14 | 4.42 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-14 | 4.43 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-14 | 4.44 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-14 | 4.46 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-14 | 4.39 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-14 | 4.38 | 4.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-14 | 4.39 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-14 | 4.41 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-14 | 4.51 | 4.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-14 | 4.59 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-14 | 4.72 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-14 | 4.77 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-14 | 4.84 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-14 | 4.89 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-14 | 4.84 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-14 | 4.82 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-14 | 4.79 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-14 | 4.77 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-14 | 4.71 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-14 | 4.71 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-14 | 4.72 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-14 | 4.72 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-14 | 4.71 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-14 | 4.74 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-14 | 4.76 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-14 | 4.78 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-14 | 4.82 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-14 | 4.85 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-14 | 4.86 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-14 | 4.84 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-14 | 4.80 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-14 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-14 | 4.74 | 4.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-14 | 4.67 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-14 | 4.62 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-14 | 4.53 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-14 | 4.51 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-14 | 4.56 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-14 | 4.65 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-14 | 4.68 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-14 | 4.71 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-14 | 4.77 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-14 | 4.87 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-14 | 4.91 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-14 | 4.92 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-14 | 4.94 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-14 | 4.99 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-14 | 5.07 | 5.02 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-14 | 5.19 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-14 | 5.24 | 5.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-14 | 5.31 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-14 | 5.39 | 5.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-14 | 5.48 | 5.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-14 | 5.56 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-14 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-14 | 5.73 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-14 | 5.80 | 5.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-14 | 5.85 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-14 | 5.90 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-14 | 5.99 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-14 | 6.04 | 6.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-14 | 6.04 | 6.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-14 | 6.01 | 5.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-14 | 5.95 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-14 | 5.87 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-14 | 5.80 | 5.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-14 | 5.75 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-14 | 5.68 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-14 | 5.61 | 5.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-14 | 5.50 | 5.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-14 | 5.45 | 5.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-14 | 5.37 | 5.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-14 | 5.30 | 5.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-14 | 5.21 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-14 | 5.11 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-14 | 5.00 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-14 | 4.91 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-14 | 4.88 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-14 | 4.83 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-14 | 4.90 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-14 | 4.91 | 4.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-14 | 4.98 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-14 | 5.03 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-14 | 5.06 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-14 | 5.14 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-14 | 5.18 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-14 | 5.22 | 5.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-14 | 5.26 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-14 | 5.23 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-14 | 5.21 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-14 | 5.16 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-14 | 5.13 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-14 | 5.05 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-14 | 5.01 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-14 | 4.95 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-14 | 4.87 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-14 | 4.83 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-14 | 4.76 | 4.69 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-14 | 4.70 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-14 | 4.66 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-14 | 4.62 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-14 | 4.58 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-14 | 4.51 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-14 | 4.39 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-14 | 4.20 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-14 | 4.00 | 3.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-14 | 3.82 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-14 | 3.66 | 3.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-14 | 3.61 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-14 | 3.59 | 3.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-14 | 3.55 | 3.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-14 | 3.50 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-14 | 3.57 | 3.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-14 | 3.54 | 3.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-14 | 3.56 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-14 | 3.59 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-14 | 3.55 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-14 | 3.43 | 3.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-14 | 3.27 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-14 | 3.22 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-14 | 3.06 | 2.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-14 | 2.99 | 2.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-14 | 2.96 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-14 | 2.95 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-14 | 3.04 | 2.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-14 | 3.14 | 2.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-14 | 3.18 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-14 | 3.26 | 2.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-14 | 3.31 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-14 | 3.34 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-14 | 3.36 | 2.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-14 | 3.17 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-14 | 3.01 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-14 | 2.86 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-14 | 2.81 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-14 | 2.61 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-14 | 2.59 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-14 | 2.56 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-14 | 2.50 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-14 | 2.61 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-14 | 2.74 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-14 | 2.81 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-14 | 2.76 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-14 | 2.85 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-14 | 2.96 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-14 | 2.94 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-14 | 2.83 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-14 | 2.78 | 2.51 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-14 | 2.74 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-14 | 2.66 | 2.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-14 | 2.61 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-14 | 2.41 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-14 | 2.40 | 2.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-14 | 2.47 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-14 | 2.59 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-14 | 2.64 | 2.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-14 | 2.65 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-14 | 2.71 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-14 | 2.64 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-14 | 2.59 | 2.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-14 | 2.51 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-14 | 2.36 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-14 | 2.26 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-14 | 2.26 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-14 | 2.12 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-14 | 2.15 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-14 | 2.13 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-14 | 2.12 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-14 | 2.15 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-14 | 2.23 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-14 | 2.30 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-14 | 2.37 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-14 | 2.45 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-14 | 2.57 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-14 | 2.62 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-14 | 2.60 | 2.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-14 | 2.42 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-14 | 2.31 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-14 | 2.20 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-14 | 2.13 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-14 | 2.12 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-14 | 2.06 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-15 | 2.07 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-15 | 2.14 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-15 | 2.26 | 1.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-15 | 2.35 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-15 | 2.45 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-15 | 2.48 | 1.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-15 | 2.50 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-15 | 2.43 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-15 | 2.39 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-15 | 2.28 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-15 | 2.20 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-15 | 2.08 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-15 | 2.03 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-15 | 2.01 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-15 | 2.02 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-15 | 2.05 | 1.75 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-15 | 2.14 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-15 | 2.14 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-15 | 2.20 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-15 | 2.24 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-15 | 2.23 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-15 | 2.28 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-15 | 2.33 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-15 | 2.35 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-15 | 2.36 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-15 | 2.23 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-15 | 2.20 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-15 | 2.12 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-15 | 1.95 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-15 | 1.79 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-15 | 1.80 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-15 | 1.86 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-15 | 1.82 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-15 | 1.86 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-15 | 1.93 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-15 | 2.00 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-15 | 2.02 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-15 | 2.00 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-15 | 1.97 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-15 | 1.93 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-15 | 1.95 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-15 | 1.91 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-15 | 1.82 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-15 | 1.80 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-15 | 1.77 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-15 | 1.67 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-15 | 1.73 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-15 | 1.83 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-15 | 1.90 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-15 | 2.00 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-15 | 2.15 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-15 | 2.29 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-15 | 2.32 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-15 | 2.17 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-15 | 2.06 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-15 | 1.97 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-15 | 1.93 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-15 | 1.90 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-15 | 1.76 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-15 | 1.83 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-15 | 1.84 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-15 | 1.90 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-15 | 1.95 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-15 | 2.02 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-15 | 2.06 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-15 | 2.05 | 1.57 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-15 | 1.97 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-15 | 1.86 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-15 | 1.81 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-15 | 1.82 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-15 | 1.79 | 1.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-15 | 1.75 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-15 | 1.70 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-15 | 1.70 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-15 | 1.71 | 1.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-15 | 1.77 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-15 | 1.88 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-15 | 1.96 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-15 | 2.06 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-15 | 2.19 | 1.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-15 | 2.32 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-15 | 2.33 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-15 | 2.35 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-15 | 2.30 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-15 | 2.23 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-15 | 2.10 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-15 | 2.01 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-15 | 1.93 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-15 | 1.88 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-15 | 1.87 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-15 | 1.96 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-15 | 2.13 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-15 | 2.46 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-15 | 2.45 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-15 | 2.45 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-15 | 2.57 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-15 | 2.58 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-15 | 2.47 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-15 | 2.33 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-15 | 2.26 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-15 | 2.27 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-15 | 2.23 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-15 | 2.11 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-15 | 2.10 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-15 | 2.14 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-15 | 2.33 | 1.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-15 | 2.42 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-15 | 2.63 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-15 | 2.80 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-15 | 2.87 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-15 | 2.96 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-15 | 2.98 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-15 | 2.95 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-15 | 2.86 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-15 | 2.65 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-15 | 2.52 | 2.23 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-15 | 2.39 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-15 | 2.41 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-15 | 2.44 | 2.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-15 | 2.57 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-15 | 2.73 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-15 | 2.80 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-15 | 2.83 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-15 | 3.00 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-15 | 2.93 | 2.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-15 | 2.92 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-15 | 2.91 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-15 | 2.91 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-15 | 2.86 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-15 | 2.87 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-15 | 2.85 | 2.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-15 | 2.75 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-15 | 2.74 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-15 | 2.81 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-15 | 2.87 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-15 | 3.03 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-15 | 3.12 | 2.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-15 | 3.14 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-15 | 3.15 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-15 | 3.17 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-15 | 3.19 | 2.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-15 | 3.24 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-15 | 3.20 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-15 | 3.15 | 2.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-15 | 3.22 | 2.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-15 | 3.23 | 3.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-15 | 3.27 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-15 | 3.30 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-15 | 3.35 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-15 | 3.39 | 3.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-15 | 3.42 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-15 | 4.80 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-15 | 4.81 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-15 | 4.83 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-15 | 4.77 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-15 | 4.81 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-15 | 4.81 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-15 | 4.71 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-15 | 4.72 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-15 | 4.75 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-15 | 4.74 | 4.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-15 | 4.74 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-15 | 4.68 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-15 | 4.58 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-15 | 4.45 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-15 | 4.37 | 4.32 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-15 | 4.35 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-15 | 4.36 | 4.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-15 | 4.38 | 4.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-15 | 4.40 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-15 | 4.42 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-15 | 4.43 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-15 | 4.44 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-15 | 4.45 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-15 | 4.42 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-15 | 4.42 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-15 | 4.38 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-15 | 4.39 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-15 | 4.36 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-15 | 4.36 | 4.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-15 | 4.34 | 4.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-15 | 4.36 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-15 | 4.58 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-15 | 4.66 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-15 | 4.62 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-15 | 4.58 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-15 | 4.50 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-15 | 4.43 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-15 | 4.32 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-15 | 4.24 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-15 | 4.12 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-15 | 4.05 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-15 | 4.02 | 3.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-15 | 4.05 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-15 | 4.12 | 4.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-15 | 4.13 | 4.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-15 | 4.15 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-15 | 4.18 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-15 | 4.25 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-15 | 4.30 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-15 | 4.31 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-15 | 4.35 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-15 | 4.47 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-15 | 4.57 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-15 | 4.70 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-15 | 4.81 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-15 | 4.92 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-15 | 5.04 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-15 | 5.16 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-15 | 5.27 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-15 | 5.40 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-15 | 5.49 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-15 | 5.56 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-15 | 5.64 | 5.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-15 | 5.70 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-15 | 5.72 | 5.70 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-15 | 5.75 | 5.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-15 | 5.74 | 5.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-15 | 5.73 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-15 | 5.71 | 5.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-15 | 5.71 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-15 | 5.70 | 5.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-15 | 5.69 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-15 | 5.68 | 5.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-15 | 5.65 | 5.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-15 | 5.60 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-15 | 5.54 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-15 | 5.51 | 5.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-15 | 5.46 | 5.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-15 | 5.35 | 5.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-15 | 5.24 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-15 | 5.15 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-15 | 5.11 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-15 | 5.10 | 5.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-15 | 5.04 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-15 | 4.94 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-15 | 4.83 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-15 | 4.71 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-15 | 4.70 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-15 | 4.69 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-15 | 4.70 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-15 | 4.68 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-15 | 4.71 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-15 | 4.73 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-15 | 4.69 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-15 | 4.60 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-15 | 4.46 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-15 | 4.32 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-15 | 4.17 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-15 | 4.07 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-15 | 4.02 | 3.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-15 | 3.96 | 3.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-15 | 3.87 | 3.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-15 | 3.80 | 3.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-15 | 3.69 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-15 | 3.73 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-15 | 3.75 | 3.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-15 | 3.68 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-15 | 3.57 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-15 | 3.48 | 3.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-15 | 3.38 | 3.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-15 | 3.21 | 2.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-15 | 3.09 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-15 | 3.02 | 2.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-15 | 2.82 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-15 | 2.75 | 2.58 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-15 | 2.77 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-15 | 2.82 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-15 | 2.93 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-15 | 3.03 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-15 | 3.17 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-15 | 3.10 | 2.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-15 | 3.11 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-15 | 3.05 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-15 | 2.84 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-15 | 2.79 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-15 | 2.68 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-15 | 2.58 | 2.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-15 | 2.37 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-15 | 2.33 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-15 | 2.31 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-15 | 2.33 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-15 | 2.39 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-15 | 2.49 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-15 | 2.53 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-15 | 2.56 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-15 | 2.58 | 2.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-15 | 2.58 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-15 | 2.60 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-15 | 2.58 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-15 | 2.55 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-15 | 2.50 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-15 | 2.38 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-15 | 2.25 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-15 | 2.17 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-15 | 2.22 | 1.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-15 | 2.25 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-15 | 2.38 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-15 | 2.56 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-15 | 2.59 | 2.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-15 | 2.61 | 2.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-15 | 2.58 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-15 | 2.51 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-15 | 2.40 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-15 | 2.31 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-15 | 2.15 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-15 | 2.08 | 1.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-15 | 2.08 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-15 | 2.05 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-15 | 2.00 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-15 | 2.01 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-15 | 2.09 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-15 | 2.17 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-15 | 2.26 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-15 | 2.35 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-15 | 2.41 | 1.81 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-15 | 2.43 | 1.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-15 | 2.46 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-15 | 2.37 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-15 | 2.28 | 1.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-15 | 2.19 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-15 | 2.03 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-15 | 2.02 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-15 | 1.92 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-15 | 1.93 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-15 | 1.99 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-15 | 2.08 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-15 | 2.10 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-15 | 2.07 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-15 | 1.98 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-15 | 2.07 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-15 | 2.11 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-15 | 2.14 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-15 | 2.02 | 1.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-15 | 2.04 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-16 | 2.01 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-16 | 1.95 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-16 | 1.81 | 1.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-16 | 1.78 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-16 | 1.73 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-16 | 1.71 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-16 | 1.71 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-16 | 1.75 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-16 | 1.88 | 1.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-16 | 1.93 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-16 | 1.97 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-16 | 2.00 | 1.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-16 | 2.03 | 1.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-16 | 2.01 | 1.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-16 | 1.96 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-16 | 1.95 | 1.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-16 | 1.84 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-16 | 1.67 | 1.31 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-16 | 1.67 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-16 | 1.58 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-16 | 1.60 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-16 | 1.62 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-16 | 1.64 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-16 | 1.66 | 1.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-16 | 1.66 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-16 | 1.72 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-16 | 1.75 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-16 | 1.80 | 1.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-16 | 1.82 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-16 | 1.78 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-16 | 1.75 | 1.33 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-16 | 1.65 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-16 | 1.50 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-16 | 1.48 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-16 | 1.42 | 1.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-16 | 1.42 | 1.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-16 | 1.47 | 1.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-16 | 1.61 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-16 | 1.73 | 1.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-16 | 1.86 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-16 | 1.99 | 1.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-16 | 2.13 | 1.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-16 | 2.18 | 1.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-16 | 2.10 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-16 | 1.95 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-16 | 1.78 | 1.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-16 | 1.62 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-16 | 1.61 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-16 | 1.55 | 1.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-16 | 1.61 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-16 | 1.74 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-16 | 1.85 | 1.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-16 | 1.95 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-16 | 2.00 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-16 | 2.04 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-16 | 2.06 | 1.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-16 | 2.04 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-16 | 1.97 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-16 | 1.86 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Feb-16 | 1.81 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Mar-16 | 1.61 | 1.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Mar-16 | 1.55 | 1.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Mar-16 | 1.49 | 1.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Mar-16 | 1.52 | 1.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Mar-16 | 1.55 | 1.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Mar-16 | 1.60 | 1.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Mar-16 | 1.71 | 1.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Mar-16 | 1.83 | 1.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Mar-16 | 1.96 | 1.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Mar-16 | 2.14 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Mar-16 | 2.17 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Mar-16 | 2.14 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Mar-16 | 2.06 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Mar-16 | 1.98 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Mar-16 | 1.95 | 1.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Mar-16 | 1.76 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Mar-16 | 1.63 | 1.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Mar-16 | 1.55 | 1.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Mar-16 | 1.61 | 1.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Mar-16 | 1.65 | 1.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Mar-16 | 1.78 | 1.32 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Mar-16 | 1.90 | 1.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Mar-16 | 1.92 | 1.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Mar-16 | 2.00 | 1.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Mar-16 | 2.03 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Mar-16 | 2.05 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Mar-16 | 2.08 | 1.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Mar-16 | 2.05 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Mar-16 | 1.98 | 1.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Mar-16 | 1.98 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Mar-16 | 1.97 | 1.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Apr-16 | 1.91 | 1.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Apr-16 | 1.85 | 1.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Apr-16 | 1.88 | 1.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Apr-16 | 2.00 | 1.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Apr-16 | 2.30 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Apr-16 | 2.59 | 2.06 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Apr-16 | 2.75 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Apr-16 | 2.74 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Apr-16 | 2.80 | 2.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Apr-16 | 2.81 | 2.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Apr-16 | 2.79 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Apr-16 | 2.72 | 2.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Apr-16 | 2.65 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Apr-16 | 2.49 | 2.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Apr-16 | 2.45 | 1.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Apr-16 | 2.48 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Apr-16 | 2.53 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Apr-16 | 2.59 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Apr-16 | 2.66 | 2.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Apr-16 | 2.78 | 2.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Apr-16 | 2.83 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Apr-16 | 2.98 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Apr-16 | 3.06 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Apr-16 | 3.18 | 2.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Apr-16 | 3.13 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Apr-16 | 3.03 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Apr-16 | 2.89 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Apr-16 | 2.82 | 2.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Apr-16 | 2.78 | 2.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Apr-16 | 2.77 | 2.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-May-16 | 2.77 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-May-16 | 2.88 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-May-16 | 3.00 | 2.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-May-16 | 3.09 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-May-16 | 3.13 | 2.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-May-16 | 3.21 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-May-16 | 3.31 | 2.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-May-16 | 3.33 | 2.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-May-16 | 3.25 | 2.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-May-16 | 3.28 | 2.85 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 11-May-16 | 3.05 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-May-16 | 2.85 | 2.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-May-16 | 2.79 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-May-16 | 2.75 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-May-16 | 2.73 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-May-16 | 2.74 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-May-16 | 2.76 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-May-16 | 2.88 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-May-16 | 3.10 | 2.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-May-16 | 3.24 | 2.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-May-16 | 3.55 | 3.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-May-16 | 3.46 | 2.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-May-16 | 3.50 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-May-16 | 3.62 | 3.26 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-May-16 | 3.67 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-May-16 | 3.71 | 3.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-May-16 | 3.71 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-May-16 | 3.65 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-May-16 | 3.63 | 3.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-May-16 | 3.62 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-May-16 | 3.59 | 3.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jun-16 | 3.57 | 3.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jun-16 | 3.63 | 3.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jun-16 | 3.65 | 3.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jun-16 | 3.71 | 3.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jun-16 | 3.81 | 3.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jun-16 | 3.82 | 3.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jun-16 | 3.80 | 3.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jun-16 | 3.78 | 3.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jun-16 | 3.77 | 3.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jun-16 | 3.58 | 3.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jun-16 | 3.48 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jun-16 | 3.53 | 3.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jun-16 | 3.53 | 3.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jun-16 | 3.43 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jun-16 | 3.44 | 3.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jun-16 | 3.45 | 3.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jun-16 | 3.47 | 3.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jun-16 | 3.65 | 3.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jun-16 | 3.85 | 3.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jun-16 | 3.87 | 3.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jun-16 | 3.86 | 3.70 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jun-16 | 3.89 | 3.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jun-16 | 3.93 | 3.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jun-16 | 4.04 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jun-16 | 4.11 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jun-16 | 4.23 | 4.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jun-16 | 4.49 | 4.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jun-16 | 4.59 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jun-16 | 4.57 | 4.52 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jun-16 | 4.56 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-16 | 4.58 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-16 | 4.61 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-16 | 4.66 | 4.59 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-16 | 4.72 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-16 | 4.77 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-16 | 4.82 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-16 | 4.82 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-16 | 4.83 | 4.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-16 | 4.85 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-16 | 4.88 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-16 | 4.89 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-16 | 4.89 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-16 | 4.88 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-16 | 4.84 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-16 | 4.78 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-16 | 4.82 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-16 | 4.84 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-16 | 4.89 | 4.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-16 | 4.92 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-16 | 4.97 | 4.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-16 | 5.05 | 4.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-16 | 5.14 | 5.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-16 | 5.25 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-16 | 5.33 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-16 | 5.40 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-16 | 5.45 | 5.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-16 | 5.51 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-16 | 5.58 | 5.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-16 | 5.65 | 5.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-16 | 5.76 | 5.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-16 | 5.87 | 5.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-16 | 5.97 | 5.92 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-16 | 6.06 | 6.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-16 | 6.14 | 6.11 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-16 | 6.18 | 6.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-16 | 6.20 | 6.19 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-16 | 6.19 | 6.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-16 | 6.16 | 6.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-16 | 6.09 | 6.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-16 | 6.01 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-16 | 5.94 | 5.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-16 | 5.87 | 5.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-16 | 5.74 | 5.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-16 | 5.63 | 5.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-16 | 5.51 | 5.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-16 | 5.43 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-16 | 5.37 | 5.33 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-16 | 5.42 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-16 | 5.44 | 5.38 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-16 | 5.41 | 5.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-16 | 5.34 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-16 | 5.34 | 5.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-16 | 5.33 | 5.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-16 | 5.25 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-16 | 5.18 | 5.12 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-16 | 5.09 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-16 | 5.03 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-16 | 4.95 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-16 | 4.88 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-16 | 4.83 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-16 | 4.78 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-16 | 4.79 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-16 | 4.81 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-16 | 4.81 | 4.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-16 | 4.84 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-16 | 4.86 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-16 | 4.91 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-16 | 4.93 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-16 | 4.88 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-16 | 4.83 | 4.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-16 | 4.77 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-16 | 4.69 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-16 | 4.68 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-16 | 4.66 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-16 | 4.68 | 4.64 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-16 | 4.74 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-16 | 4.80 | 4.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-16 | 4.85 | 4.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-16 | 4.93 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-16 | 4.97 | 4.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-16 | 4.99 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-16 | 4.97 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-16 | 4.95 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-16 | 4.87 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-16 | 4.81 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-16 | 4.77 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-16 | 4.67 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-16 | 4.64 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-16 | 4.60 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-16 | 4.62 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-16 | 4.64 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-16 | 4.64 | 4.56 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-17 | 4.03 | 3.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-17 | 4.09 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-17 | 4.13 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-17 | 4.18 | 4.08 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-17 | 4.22 | 4.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-17 | 4.25 | 4.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-17 | 4.34 | 4.29 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-17 | 4.45 | 4.36 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-17 | 4.57 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-17 | 4.66 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-17 | 4.73 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-17 | 4.83 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-17 | 4.90 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-17 | 4.96 | 4.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-17 | 5.03 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-17 | 5.06 | 5.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-17 | 5.08 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-17 | 5.09 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-17 | 5.11 | 5.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-17 | 5.14 | 5.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-17 | 5.15 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-17 | 5.12 | 5.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-17 | 5.07 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-17 | 5.11 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-17 | 5.23 | 5.14 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-17 | 5.27 | 5.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-17 | 5.19 | 5.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-17 | 5.10 | 5.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-17 | 4.99 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-17 | 4.83 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-17 | 4.77 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-17 | 4.69 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-17 | 4.63 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-17 | 4.59 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-17 | 4.55 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-17 | 4.55 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-17 | 4.56 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-17 | 4.58 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-17 | 4.58 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-17 | 4.64 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-17 | 4.68 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-17 | 4.77 | 4.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-17 | 4.82 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-17 | 4.92 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-17 | 5.05 | 4.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-17 | 5.15 | 5.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-17 | 5.30 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-17 | 5.44 | 5.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-17 | 5.60 | 5.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-17 | 5.75 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-17 | 5.84 | 5.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-17 | 5.88 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-17 | 5.90 | 5.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-17 | 5.96 | 5.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-17 | 6.02 | 5.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-17 | 5.97 | 5.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-17 | 5.96 | 5.93 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-17 | 5.92 | 5.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-17 | 5.89 | 5.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-17 | 5.82 | 5.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-17 | 5.71 | 5.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-17 | 5.63 | 5.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Sep-17 | 5.56 | 5.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Sep-17 | 5.51 | 5.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Sep-17 | 5.45 | 5.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Sep-17 | 5.36 | 5.30 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Sep-17 | 5.31 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Sep-17 | 5.27 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Sep-17 | 5.28 | 5.24 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Sep-17 | 5.27 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Sep-17 | 5.21 | 5.18 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Sep-17 | 5.21 | 5.17 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Sep-17 | 5.31 | 5.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Sep-17 | 5.26 | 5.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Sep-17 | 5.24 | 5.21 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Sep-17 | 5.20 | 5.15 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Sep-17 | 5.15 | 5.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Sep-17 | 5.08 | 5.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Sep-17 | 5.01 | 4.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Sep-17 | 5.00 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Sep-17 | 5.03 | 4.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Sep-17 | 5.10 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Sep-17 | 5.06 | 5.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Sep-17 | 5.02 | 4.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Sep-17 | 4.92 | 4.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Sep-17 | 4.85 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Sep-17 | 4.75 | 4.69 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Sep-17 | 4.67 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Sep-17 | 4.60 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Sep-17 | 4.54 | 4.48 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Sep-17 | 4.59 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Sep-17 | 4.56 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Oct-17 | 4.56 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Oct-17 | 4.57 | 4.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Oct-17 | 4.58 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Oct-17 | 4.62 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Oct-17 | 4.66 | 4.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Oct-17 | 4.69 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Oct-17 | 4.70 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Oct-17 | 4.74 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Oct-17 | 4.80 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Oct-17 | 4.75 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Oct-17 | 4.64 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Oct-17 | 4.56 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Oct-17 | 4.44 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Oct-17 | 4.34 | 4.23 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Oct-17 | 4.31 | 4.12 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Oct-17 | 4.19 | 4.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Oct-17 | 4.16 | 4.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Oct-17 | 4.20 | 4.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Oct-17 | 4.28 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Oct-17 | 4.44 | 4.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Oct-17 | 4.93 | 4.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Oct-17 | 4.98 | 4.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Oct-17 | 4.88 | 4.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Oct-17 | 4.72 | 4.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Oct-17 | 4.63 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Oct-17 | 4.62 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Oct-17 | 4.56 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Oct-17 | 4.41 | 4.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Oct-17 | 4.31 | 4.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Oct-17 | 4.25 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Oct-17 | 4.23 | 4.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Nov-17 | 4.17 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Nov-17 | 4.18 | 3.99 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Nov-17 | 4.19 | 3.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Nov-17 | 4.20 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Nov-17 | 4.15 | 3.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Nov-17 | 4.11 | 3.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Nov-17 | 4.04 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Nov-17 | 3.88 | 3.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Nov-17 | 3.81 | 3.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Nov-17 | 3.47 | 3.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Nov-17 | 3.36 | 3.16 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Nov-17 | 3.30 | 3.04 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Nov-17 | 3.20 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Nov-17 | 3.15 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Nov-17 | 3.25 | 2.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Nov-17 | 3.25 | 2.85 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Nov-17 | 3.31 | 2.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Nov-17 | 3.31 | 2.94 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Nov-17 | 3.33 | 3.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Nov-17 | 3.29 | 2.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Nov-17 | 3.11 | 2.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Nov-17 | 3.00 | 2.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Nov-17 | 2.94 | 2.57 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Nov-17 | 2.67 | 2.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Nov-17 | 2.70 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Nov-17 | 2.68 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Nov-17 | 2.63 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Nov-17 | 2.61 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Nov-17 | 2.61 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Nov-17 | 2.66 | 2.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Dec-17 | 2.76 | 2.44 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Dec-17 | 2.79 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Dec-17 | 2.86 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Dec-17 | 2.95 | 2.60 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Dec-17 | 3.01 | 2.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Dec-17 | 3.05 | 2.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Dec-17 | 2.98 | 2.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Dec-17 | 2.87 | 2.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Dec-17 | 2.81 | 2.51 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Dec-17 | 2.84 | 2.50 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Dec-17 | 2.79 | 2.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Dec-17 | 2.72 | 2.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Dec-17 | 2.74 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Dec-17 | 2.75 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Dec-17 | 2.81 | 2.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Dec-17 | 2.68 | 2.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Dec-17 | 2.71 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Dec-17 | 2.68 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Dec-17 | 2.69 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Dec-17 | 2.70 | 2.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Dec-17 | 2.71 | 2.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Dec-17 | 2.68 | 2.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Dec-17 | 2.54 | 2.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Dec-17 | 2.49 | 2.29 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Dec-17 | 2.45 | 2.20 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Dec-17 | 2.43 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Dec-17 | 2.32 | 1.98 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Dec-17 | 2.28 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Dec-17 | 2.36 | 2.01 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Dec-17 | 2.46 | 2.09 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Dec-17 | 2.51 | 2.13 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jan-18 | 2.61 | 2.25 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jan-18 | 2.73 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jan-18 | 2.77 | 2.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jan-18 | 2.69 | 2.34 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jan-18 | 2.67 | 2.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jan-18 | 2.54 | 2.28 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jan-18 | 2.48 | 2.27 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jan-18 | 2.29 | 2.05 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jan-18 | 2.28 | 2.00 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jan-18 | 2.29 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jan-18 | 2.28 | 1.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jan-18 | 2.27 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jan-18 | 2.25 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jan-18 | 2.31 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jan-18 | 2.33 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jan-18 | 2.31 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jan-18 | 2.32 | 1.88 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jan-18 | 2.32 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jan-18 | 2.28 | 1.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jan-18 | 2.32 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jan-18 | 2.34 | 1.93 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jan-18 | 2.21 | 1.89 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jan-18 | 2.23 | 1.88 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jan-18 | 2.16 | 1.86 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jan-18 | 2.08 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jan-18 | 2.11 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jan-18 | 2.14 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jan-18 | 2.23 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jan-18 | 2.24 | 1.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jan-18 | 2.29 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jan-18 | 2.39 | 1.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Feb-18 | 2.45 | 1.97 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Feb-18 | 2.49 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Feb-18 | 2.51 | 2.10 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Feb-18 | 2.48 | 2.03 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Feb-18 | 2.46 | 2.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Feb-18 | 2.35 | 1.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Feb-18 | 2.33 | 1.81 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Feb-18 | 2.25 | 1.74 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Feb-18 | 2.14 | 1.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Feb-18 | 2.03 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Feb-18 | 2.04 | 1.66 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Feb-18 | 2.02 | 1.65 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Feb-18 | 2.01 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Feb-18 | 2.03 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Feb-18 | 2.03 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Feb-18 | 2.06 | 1.67 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Feb-18 | 2.08 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Feb-18 | 2.18 | 1.79 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Feb-18 | 2.19 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Feb-18 | 2.12 | 1.72 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Feb-18 | 2.15 | 1.78 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Feb-18 | 2.18 | 1.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Feb-18 | 2.05 | 1.75 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Feb-18 | 2.03 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Feb-18 | 2.09 | 1.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Feb-18 | 2.13 | 1.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Feb-18 | 2.24 | 1.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Feb-18 | 2.34 | 1.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Jul-18 | 3.91 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Jul-18 | 3.87 | 3.82 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Jul-18 | 3.90 | 3.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Jul-18 | 3.96 | 3.90 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Jul-18 | 4.03 | 3.96 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Jul-18 | 4.08 | 4.02 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Jul-18 | 4.19 | 4.07 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Jul-18 | 4.31 | 4.22 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Jul-18 | 4.43 | 4.32 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Jul-18 | 4.46 | 4.41 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Jul-18 | 4.50 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Jul-18 | 4.53 | 4.46 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Jul-18 | 4.56 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Jul-18 | 4.58 | 4.48 |

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|---|---|---|---|---|---|
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Jul-18 | 4.63 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Jul-18 | 4.65 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Jul-18 | 4.70 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Jul-18 | 4.63 | 4.55 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Jul-18 | 4.57 | 4.47 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Jul-18 | 4.48 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Jul-18 | 4.50 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Jul-18 | 4.48 | 4.40 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Jul-18 | 4.46 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Jul-18 | 4.40 | 4.35 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Jul-18 | 4.44 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Jul-18 | 4.44 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Jul-18 | 4.46 | 4.37 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Jul-18 | 4.50 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Jul-18 | 4.49 | 4.38 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Jul-18 | 4.48 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Jul-18 | 4.46 | 4.39 |
| Dhaleswari | SW70 | Kalatia_Outfall | 01-Aug-18 | 4.47 | 4.42 |
| Dhaleswari | SW70 | Kalatia_Outfall | 02-Aug-18 | 4.51 | 4.45 |
| Dhaleswari | SW70 | Kalatia_Outfall | 03-Aug-18 | 4.52 | 4.43 |
| Dhaleswari | SW70 | Kalatia_Outfall | 04-Aug-18 | 4.53 | 4.49 |
| Dhaleswari | SW70 | Kalatia_Outfall | 05-Aug-18 | 4.57 | 4.52 |
| Dhaleswari | SW70 | Kalatia_Outfall | 06-Aug-18 | 4.62 | 4.53 |
| Dhaleswari | SW70 | Kalatia_Outfall | 07-Aug-18 | 4.72 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 08-Aug-18 | 4.78 | 4.71 |
| Dhaleswari | SW70 | Kalatia_Outfall | 09-Aug-18 | 4.76 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 10-Aug-18 | 4.79 | 4.76 |
| Dhaleswari | SW70 | Kalatia_Outfall | 11-Aug-18 | 4.83 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 12-Aug-18 | 4.86 | 4.80 |
| Dhaleswari | SW70 | Kalatia_Outfall | 13-Aug-18 | 4.92 | 4.84 |
| Dhaleswari | SW70 | Kalatia_Outfall | 14-Aug-18 | 4.97 | 4.87 |
| Dhaleswari | SW70 | Kalatia_Outfall | 15-Aug-18 | 5.03 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 16-Aug-18 | 5.02 | 4.95 |
| Dhaleswari | SW70 | Kalatia_Outfall | 17-Aug-18 | 4.96 | 4.91 |
| Dhaleswari | SW70 | Kalatia_Outfall | 18-Aug-18 | 4.89 | 4.83 |
| Dhaleswari | SW70 | Kalatia_Outfall | 19-Aug-18 | 4.84 | 4.77 |
| Dhaleswari | SW70 | Kalatia_Outfall | 20-Aug-18 | 4.80 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 21-Aug-18 | 4.78 | 4.73 |
| Dhaleswari | SW70 | Kalatia_Outfall | 22-Aug-18 | 4.74 | 4.68 |
| Dhaleswari | SW70 | Kalatia_Outfall | 23-Aug-18 | 4.69 | 4.63 |
| Dhaleswari | SW70 | Kalatia_Outfall | 24-Aug-18 | 4.66 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 25-Aug-18 | 4.62 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 26-Aug-18 | 4.64 | 4.54 |
| Dhaleswari | SW70 | Kalatia_Outfall | 27-Aug-18 | 4.67 | 4.58 |
| Dhaleswari | SW70 | Kalatia_Outfall | 28-Aug-18 | 4.68 | 4.61 |
| Dhaleswari | SW70 | Kalatia_Outfall | 29-Aug-18 | 4.69 | 4.62 |
| Dhaleswari | SW70 | Kalatia_Outfall | 30-Aug-18 | 4.68 | 4.60 |
| Dhaleswari | SW70 | Kalatia_Outfall | 31-Aug-18 | 4.64 | 4.57 |

## 15.38. Annexure 38 – River Morphology Data

| RIVER_NAME | STATION_ID | Date | SLNO | DISTANCE | RL |
|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 08-Jan-73 | 1 | 0.00 | 7.45 |
| Dhaleswari | RMD10 | 08-Jan-73 | 2 | 103.66 | 7.73 |
| Dhaleswari | RMD10 | 08-Jan-73 | 3 | 164.63 | 7.76 |
| Dhaleswari | RMD10 | 08-Jan-73 | 4 | 225.61 | 7.84 |
| Dhaleswari | RMD10 | 08-Jan-73 | 5 | 286.59 | 7.73 |
| Dhaleswari | RMD10 | 08-Jan-73 | 6 | 347.56 | 7.73 |
| Dhaleswari | RMD10 | 08-Jan-73 | 7 | 420.43 | 7.76 |
| Dhaleswari | RMD10 | 08-Jan-73 | 8 | 481.40 | 7.81 |
| Dhaleswari | RMD10 | 08-Jan-73 | 9 | 542.38 | 7.73 |
| Dhaleswari | RMD10 | 08-Jan-73 | 10 | 592.99 | 8.07 |
| Dhaleswari | RMD10 | 08-Jan-73 | 11 | 653.96 | 5.02 |
| Dhaleswari | RMD10 | 08-Jan-73 | 12 | 697.87 | 3.08 |
| Dhaleswari | RMD10 | 08-Jan-73 | 13 | 698.48 | 3.06 |
| Dhaleswari | RMD10 | 08-Jan-73 | 14 | 701.52 | 2.77 |
| Dhaleswari | RMD10 | 08-Jan-73 | 15 | 710.06 | 2.75 |
| Dhaleswari | RMD10 | 08-Jan-73 | 16 | 723.48 | 2.77 |
| Dhaleswari | RMD10 | 08-Jan-73 | 17 | 735.06 | 3.06 |
| Dhaleswari | RMD10 | 08-Jan-73 | 18 | 745.12 | 3.08 |
| Dhaleswari | RMD10 | 08-Jan-73 | 19 | 775.61 | 3.97 |
| Dhaleswari | RMD10 | 08-Jan-73 | 20 | 806.10 | 5.24 |
| Dhaleswari | RMD10 | 08-Jan-73 | 21 | 836.59 | 7.93 |
| Dhaleswari | RMD10 | 08-Jan-73 | 22 | 897.56 | 7.82 |
| Dhaleswari | RMD10 | 08-Jan-73 | 23 | 958.54 | 7.73 |
| Dhaleswari | RMD10 | 08-Jan-73 | 24 | 1014.33 | 7.62 |
| Dhaleswari | RMD10 | 08-Jan-73 | 25 | 1075.30 | 7.23 |
| Dhaleswari | RMD10 | 08-Jan-73 | 26 | 1136.28 | 7.37 |
| Dhaleswari | RMD10 | 08-Jan-73 | 27 | 1166.77 | 7.44 |
| Dhaleswari | RMD10 | 08-Jan-73 | 28 | 1227.74 | 7.41 |
| Dhaleswari | RMD10 | 08-Jan-73 | 29 | 1291.16 | 7.46 |
| Dhaleswari | RMD10 | 18-May-78 | 1 | 0.00 | 7.45 |
| Dhaleswari | RMD10 | 18-May-78 | 2 | 0.00 | 7.27 |
| Dhaleswari | RMD10 | 18-May-78 | 3 | 60.98 | 7.42 |
| Dhaleswari | RMD10 | 18-May-78 | 4 | 103.66 | 7.45 |
| Dhaleswari | RMD10 | 18-May-78 | 5 | 103.66 | 7.73 |
| Dhaleswari | RMD10 | 18-May-78 | 6 | 164.63 | 7.59 |
| Dhaleswari | RMD10 | 18-May-78 | 7 | 225.61 | 7.78 |
| Dhaleswari | RMD10 | 18-May-78 | 8 | 286.59 | 7.74 |
| Dhaleswari | RMD10 | 18-May-78 | 9 | 347.56 | 7.73 |
| Dhaleswari | RMD10 | 18-May-78 | 10 | 378.05 | 7.70 |
| Dhaleswari | RMD10 | 18-May-78 | 11 | 408.54 | 7.74 |
| Dhaleswari | RMD10 | 18-May-78 | 12 | 469.51 | 7.87 |
| Dhaleswari | RMD10 | 18-May-78 | 13 | 530.49 | 8.07 |
| Dhaleswari | RMD10 | 18-May-78 | 14 | 591.46 | 7.91 |
| Dhaleswari | RMD10 | 18-May-78 | 15 | 599.09 | 6.83 |
| Dhaleswari | RMD10 | 18-May-78 | 16 | 629.57 | 5.88 |
| Dhaleswari | RMD10 | 18-May-78 | 17 | 652.44 | 6.80 |
| Dhaleswari | RMD10 | 18-May-78 | 18 | 663.41 | 5.65 |
| Dhaleswari | RMD10 | 18-May-78 | 19 | 724.39 | 3.62 |
| Dhaleswari | RMD10 | 18-May-78 | 20 | 785.37 | 3.93 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 18-May-78 | 21 | 806.71 | 6.39 |
| Dhaleswari | RMD10 | 18-May-78 | 22 | 815.85 | 7.51 |
| Dhaleswari | RMD10 | 18-May-78 | 23 | 876.83 | 7.23 |
| Dhaleswari | RMD10 | 18-May-78 | 24 | 937.80 | 7.52 |
| Dhaleswari | RMD10 | 18-May-78 | 25 | 998.78 | 6.72 |
| Dhaleswari | RMD10 | 18-May-78 | 26 | 1059.76 | 8.51 |
| Dhaleswari | RMD10 | 18-May-78 | 27 | 1090.24 | 8.92 |
| Dhaleswari | RMD10 | 18-May-78 | 28 | 1120.73 | 8.73 |
| Dhaleswari | RMD10 | 18-May-78 | 29 | 1123.78 | 7.27 |
| Dhaleswari | RMD10 | 18-May-78 | 30 | 1139.02 | 6.60 |
| Dhaleswari | RMD10 | 18-May-78 | 31 | 1154.27 | 6.90 |
| Dhaleswari | RMD10 | 18-May-78 | 32 | 1181.71 | 7.28 |
| Dhaleswari | RMD10 | 18-May-78 | 33 | 1242.68 | 7.41 |
| Dhaleswari | RMD10 | 18-May-78 | 34 | 1257.93 | 7.20 |
| Dhaleswari | RMD10 | 18-May-78 | 35 | 1291.46 | 7.15 |
| Dhaleswari | RMD10 | 18-May-78 | 36 | 1291.46 | 7.46 |
| Dhaleswari | RMD10 | 16-Mar-80 | 1 | 0.00 | 7.45 |
| Dhaleswari | RMD10 | 16-Mar-80 | 2 | 60.98 | 7.48 |
| Dhaleswari | RMD10 | 16-Mar-80 | 3 | 103.66 | 7.73 |
| Dhaleswari | RMD10 | 16-Mar-80 | 4 | 103.66 | 7.43 |
| Dhaleswari | RMD10 | 16-Mar-80 | 5 | 164.63 | 7.86 |
| Dhaleswari | RMD10 | 16-Mar-80 | 6 | 225.61 | 7.78 |
| Dhaleswari | RMD10 | 16-Mar-80 | 7 | 286.59 | 7.70 |
| Dhaleswari | RMD10 | 16-Mar-80 | 8 | 347.56 | 7.76 |
| Dhaleswari | RMD10 | 16-Mar-80 | 9 | 408.54 | 8.14 |
| Dhaleswari | RMD10 | 16-Mar-80 | 10 | 458.54 | 7.73 |
| Dhaleswari | RMD10 | 16-Mar-80 | 11 | 519.51 | 7.81 |
| Dhaleswari | RMD10 | 16-Mar-80 | 12 | 583.54 | 7.98 |
| Dhaleswari | RMD10 | 16-Mar-80 | 13 | 641.46 | 8.06 |
| Dhaleswari | RMD10 | 16-Mar-80 | 14 | 715.85 | 6.62 |
| Dhaleswari | RMD10 | 16-Mar-80 | 15 | 776.83 | 4.09 |
| Dhaleswari | RMD10 | 16-Mar-80 | 16 | 842.38 | 3.77 |
| Dhaleswari | RMD10 | 16-Mar-80 | 17 | 850.61 | 6.28 |
| Dhaleswari | RMD10 | 16-Mar-80 | 18 | 872.87 | 6.97 |
| Dhaleswari | RMD10 | 16-Mar-80 | 19 | 933.84 | 7.45 |
| Dhaleswari | RMD10 | 16-Mar-80 | 20 | 994.82 | 7.52 |
| Dhaleswari | RMD10 | 16-Mar-80 | 21 | 1055.79 | 7.38 |
| Dhaleswari | RMD10 | 16-Mar-80 | 22 | 1084.76 | 7.96 |
| Dhaleswari | RMD10 | 16-Mar-80 | 23 | 1145.73 | 7.53 |
| Dhaleswari | RMD10 | 16-Mar-80 | 24 | 1206.71 | 6.79 |
| Dhaleswari | RMD10 | 16-Mar-80 | 25 | 1267.68 | 6.89 |
| Dhaleswari | RMD10 | 16-Mar-80 | 26 | 1328.66 | 7.42 |
| Dhaleswari | RMD10 | 16-Mar-80 | 27 | 1380.49 | 7.24 |
| Dhaleswari | RMD10 | 16-Mar-80 | 28 | 1380.49 | 7.53 |
| Dhaleswari | RMD10 | 16-Mar-80 | 29 | 1380.49 | 7.32 |
| Dhaleswari | RMD10 | 05-Apr-81 | 1 | 0.00 | 7.44 |
| Dhaleswari | RMD10 | 05-Apr-81 | 2 | 0.00 | 7.27 |
| Dhaleswari | RMD10 | 05-Apr-81 | 3 | 60.98 | 7.30 |
| Dhaleswari | RMD10 | 05-Apr-81 | 4 | 103.66 | 7.72 |
| Dhaleswari | RMD10 | 05-Apr-81 | 5 | 103.66 | 7.48 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 05-Apr-81 | 6 | 164.63 | 7.78 |
| Dhaleswari | RMD10 | 05-Apr-81 | 7 | 225.61 | 7.76 |
| Dhaleswari | RMD10 | 05-Apr-81 | 8 | 286.59 | 7.60 |
| Dhaleswari | RMD10 | 05-Apr-81 | 9 | 347.56 | 7.63 |
| Dhaleswari | RMD10 | 05-Apr-81 | 10 | 408.54 | 7.58 |
| Dhaleswari | RMD10 | 05-Apr-81 | 11 | 469.51 | 7.61 |
| Dhaleswari | RMD10 | 05-Apr-81 | 12 | 530.49 | 8.22 |
| Dhaleswari | RMD10 | 05-Apr-81 | 13 | 597.87 | 8.04 |
| Dhaleswari | RMD10 | 05-Apr-81 | 14 | 658.84 | 6.94 |
| Dhaleswari | RMD10 | 05-Apr-81 | 15 | 689.33 | 7.67 |
| Dhaleswari | RMD10 | 05-Apr-81 | 16 | 722.26 | 3.63 |
| Dhaleswari | RMD10 | 05-Apr-81 | 17 | 750.30 | 3.61 |
| Dhaleswari | RMD10 | 05-Apr-81 | 18 | 780.79 | 4.55 |
| Dhaleswari | RMD10 | 05-Apr-81 | 19 | 811.28 | 6.23 |
| Dhaleswari | RMD10 | 05-Apr-81 | 20 | 841.77 | 7.88 |
| Dhaleswari | RMD10 | 05-Apr-81 | 21 | 902.74 | 7.25 |
| Dhaleswari | RMD10 | 05-Apr-81 | 22 | 963.72 | 7.33 |
| Dhaleswari | RMD10 | 05-Apr-81 | 23 | 1024.70 | 7.27 |
| Dhaleswari | RMD10 | 05-Apr-81 | 24 | 1085.67 | 6.85 |
| Dhaleswari | RMD10 | 05-Apr-81 | 25 | 1146.65 | 6.85 |
| Dhaleswari | RMD10 | 05-Apr-81 | 26 | 1207.62 | 6.84 |
| Dhaleswari | RMD10 | 05-Apr-81 | 27 | 1291.16 | 6.90 |
| Dhaleswari | RMD10 | 05-Apr-81 | 28 | 1291.16 | 7.46 |
| Dhaleswari | RMD10 | 04-Jun-87 | 1 | 0.00 | 7.45 |
| Dhaleswari | RMD10 | 04-Jun-87 | 2 | 0.00 | 7.25 |
| Dhaleswari | RMD10 | 04-Jun-87 | 3 | 60.96 | 7.33 |
| Dhaleswari | RMD10 | 04-Jun-87 | 4 | 60.96 | 7.50 |
| Dhaleswari | RMD10 | 04-Jun-87 | 5 | 103.63 | 7.72 |
| Dhaleswari | RMD10 | 04-Jun-87 | 6 | 149.35 | 7.70 |
| Dhaleswari | RMD10 | 04-Jun-87 | 7 | 153.01 | 7.65 |
| Dhaleswari | RMD10 | 04-Jun-87 | 8 | 156.06 | 7.65 |
| Dhaleswari | RMD10 | 04-Jun-87 | 9 | 168.25 | 7.64 |
| Dhaleswari | RMD10 | 04-Jun-87 | 10 | 225.55 | 7.70 |
| Dhaleswari | RMD10 | 04-Jun-87 | 11 | 279.20 | 7.62 |
| Dhaleswari | RMD10 | 04-Jun-87 | 12 | 340.16 | 7.64 |
| Dhaleswari | RMD10 | 04-Jun-87 | 13 | 401.12 | 7.56 |
| Dhaleswari | RMD10 | 04-Jun-87 | 14 | 462.08 | 7.97 |
| Dhaleswari | RMD10 | 04-Jun-87 | 15 | 504.75 | 8.15 |
| Dhaleswari | RMD10 | 04-Jun-87 | 16 | 565.71 | 8.05 |
| Dhaleswari | RMD10 | 04-Jun-87 | 17 | 598.93 | 7.35 |
| Dhaleswari | RMD10 | 04-Jun-87 | 18 | 611.12 | 3.26 |
| Dhaleswari | RMD10 | 04-Jun-87 | 19 | 615.70 | 3.26 |
| Dhaleswari | RMD10 | 04-Jun-87 | 20 | 620.27 | 3.26 |
| Dhaleswari | RMD10 | 04-Jun-87 | 21 | 659.89 | 3.85 |
| Dhaleswari | RMD10 | 04-Jun-87 | 22 | 720.85 | 4.10 |
| Dhaleswari | RMD10 | 04-Jun-87 | 23 | 781.81 | 5.26 |
| Dhaleswari | RMD10 | 04-Jun-87 | 24 | 842.77 | 6.51 |
| Dhaleswari | RMD10 | 04-Jun-87 | 25 | 853.44 | 7.06 |
| Dhaleswari | RMD10 | 04-Jun-87 | 26 | 914.40 | 7.36 |
| Dhaleswari | RMD10 | 04-Jun-87 | 27 | 1004.62 | 7.32 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 04-Jun-87 | 28 | 1065.58 | 7.35 |
| Dhaleswari | RMD10 | 04-Jun-87 | 29 | 1126.54 | 7.33 |
| Dhaleswari | RMD10 | 04-Jun-87 | 30 | 1187.50 | 7.32 |
| Dhaleswari | RMD10 | 04-Jun-87 | 31 | 1248.46 | 7.24 |
| Dhaleswari | RMD10 | 04-Jun-87 | 32 | 1248.46 | 7.19 |
| Dhaleswari | RMD10 | 04-Jun-87 | 33 | 1291.13 | 7.50 |
| Dhaleswari | RMD10 | 05-Apr-91 | 1 | 0.00 | 7.76 |
| Dhaleswari | RMD10 | 05-Apr-91 | 2 | 0.00 | 7.57 |
| Dhaleswari | RMD10 | 05-Apr-91 | 3 | 60.00 | 7.63 |
| Dhaleswari | RMD10 | 05-Apr-91 | 4 | 104.00 | 7.68 |
| Dhaleswari | RMD10 | 05-Apr-91 | 5 | 104.00 | 8.00 |
| Dhaleswari | RMD10 | 05-Apr-91 | 6 | 120.00 | 7.80 |
| Dhaleswari | RMD10 | 05-Apr-91 | 7 | 137.00 | 7.93 |
| Dhaleswari | RMD10 | 05-Apr-91 | 8 | 138.00 | 8.68 |
| Dhaleswari | RMD10 | 05-Apr-91 | 9 | 143.00 | 8.65 |
| Dhaleswari | RMD10 | 05-Apr-91 | 10 | 145.00 | 7.88 |
| Dhaleswari | RMD10 | 05-Apr-91 | 11 | 230.00 | 7.91 |
| Dhaleswari | RMD10 | 05-Apr-91 | 12 | 300.00 | 8.09 |
| Dhaleswari | RMD10 | 05-Apr-91 | 13 | 380.00 | 7.97 |
| Dhaleswari | RMD10 | 05-Apr-91 | 14 | 450.00 | 8.05 |
| Dhaleswari | RMD10 | 05-Apr-91 | 15 | 500.00 | 8.26 |
| Dhaleswari | RMD10 | 05-Apr-91 | 16 | 567.00 | 8.38 |
| Dhaleswari | RMD10 | 05-Apr-91 | 17 | 580.00 | 8.70 |
| Dhaleswari | RMD10 | 05-Apr-91 | 18 | 590.00 | 6.45 |
| Dhaleswari | RMD10 | 05-Apr-91 | 19 | 606.00 | 7.02 |
| Dhaleswari | RMD10 | 05-Apr-91 | 20 | 615.00 | 4.52 |
| Dhaleswari | RMD10 | 05-Apr-91 | 21 | 619.00 | 3.41 |
| Dhaleswari | RMD10 | 05-Apr-91 | 22 | 623.00 | 2.61 |
| Dhaleswari | RMD10 | 05-Apr-91 | 23 | 627.00 | 2.41 |
| Dhaleswari | RMD10 | 05-Apr-91 | 24 | 630.00 | 2.71 |
| Dhaleswari | RMD10 | 05-Apr-91 | 25 | 634.00 | 3.41 |
| Dhaleswari | RMD10 | 05-Apr-91 | 26 | 674.00 | 4.11 |
| Dhaleswari | RMD10 | 05-Apr-91 | 27 | 730.00 | 5.30 |
| Dhaleswari | RMD10 | 05-Apr-91 | 28 | 800.00 | 6.55 |
| Dhaleswari | RMD10 | 05-Apr-91 | 29 | 860.00 | 7.10 |
| Dhaleswari | RMD10 | 05-Apr-91 | 30 | 915.00 | 7.20 |
| Dhaleswari | RMD10 | 05-Apr-91 | 31 | 950.00 | 7.20 |
| Dhaleswari | RMD10 | 05-Apr-91 | 32 | 1000.00 | 7.32 |
| Dhaleswari | RMD10 | 05-Apr-91 | 33 | 1050.00 | 7.33 |
| Dhaleswari | RMD10 | 05-Apr-91 | 34 | 1120.00 | 7.33 |
| Dhaleswari | RMD10 | 05-Apr-91 | 35 | 1180.00 | 7.32 |
| Dhaleswari | RMD10 | 05-Apr-91 | 36 | 1250.00 | 7.25 |
| Dhaleswari | RMD10 | 05-Apr-91 | 37 | 1292.00 | 7.20 |
| Dhaleswari | RMD10 | 05-Apr-91 | 38 | 1292.00 | 7.50 |
| Dhaleswari | RMD10 | 09-Jun-94 | 1 | 0.00 | 7.76 |
| Dhaleswari | RMD10 | 09-Jun-94 | 2 | 0.00 | 7.57 |
| Dhaleswari | RMD10 | 09-Jun-94 | 3 | 13.00 | 7.49 |
| Dhaleswari | RMD10 | 09-Jun-94 | 4 | 73.00 | 7.51 |
| Dhaleswari | RMD10 | 09-Jun-94 | 5 | 133.00 | 7.96 |
| Dhaleswari | RMD10 | 09-Jun-94 | 6 | 133.00 | 8.00 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 09-Jun-94 | 7 | 185.00 | 8.35 |
| Dhaleswari | RMD10 | 09-Jun-94 | 8 | 225.00 | 8.23 |
| Dhaleswari | RMD10 | 09-Jun-94 | 9 | 285.00 | 6.20 |
| Dhaleswari | RMD10 | 09-Jun-94 | 10 | 345.00 | 8.24 |
| Dhaleswari | RMD10 | 09-Jun-94 | 11 | 405.00 | 8.23 |
| Dhaleswari | RMD10 | 09-Jun-94 | 12 | 465.00 | 8.24 |
| Dhaleswari | RMD10 | 09-Jun-94 | 13 | 515.00 | 7.10 |
| Dhaleswari | RMD10 | 09-Jun-94 | 14 | 550.00 | 6.93 |
| Dhaleswari | RMD10 | 09-Jun-94 | 15 | 610.00 | 6.47 |
| Dhaleswari | RMD10 | 09-Jun-94 | 16 | 614.00 | 4.11 |
| Dhaleswari | RMD10 | 09-Jun-94 | 17 | 620.00 | 3.61 |
| Dhaleswari | RMD10 | 09-Jun-94 | 18 | 625.00 | 3.11 |
| Dhaleswari | RMD10 | 09-Jun-94 | 19 | 635.00 | 2.61 |
| Dhaleswari | RMD10 | 09-Jun-94 | 20 | 646.00 | 3.11 |
| Dhaleswari | RMD10 | 09-Jun-94 | 21 | 660.00 | 3.36 |
| Dhaleswari | RMD10 | 09-Jun-94 | 22 | 670.00 | 4.11 |
| Dhaleswari | RMD10 | 09-Jun-94 | 23 | 675.00 | 5.56 |
| Dhaleswari | RMD10 | 09-Jun-94 | 24 | 737.00 | 6.66 |
| Dhaleswari | RMD10 | 09-Jun-94 | 25 | 765.00 | 7.69 |
| Dhaleswari | RMD10 | 09-Jun-94 | 26 | 825.00 | 7.68 |
| Dhaleswari | RMD10 | 09-Jun-94 | 27 | 869.00 | 7.56 |
| Dhaleswari | RMD10 | 09-Jun-94 | 28 | 929.00 | 7.44 |
| Dhaleswari | RMD10 | 09-Jun-94 | 29 | 989.00 | 7.10 |
| Dhaleswari | RMD10 | 09-Jun-94 | 30 | 1031.00 | 6.72 |
| Dhaleswari | RMD10 | 09-Jun-94 | 31 | 1071.00 | 6.78 |
| Dhaleswari | RMD10 | 09-Jun-94 | 32 | 1131.00 | 6.66 |
| Dhaleswari | RMD10 | 09-Jun-94 | 33 | 1171.00 | 6.77 |
| Dhaleswari | RMD10 | 09-Jun-94 | 34 | 1231.00 | 7.04 |
| Dhaleswari | RMD10 | 09-Jun-94 | 35 | 1291.00 | 7.20 |
| Dhaleswari | RMD10 | 09-Jun-94 | 36 | 1291.00 | 7.50 |
| Dhaleswari | RMD10 | 02-Dec-98 | 1 | 0.00 | 7.76 |
| Dhaleswari | RMD10 | 02-Dec-98 | 2 | 0.00 | 7.38 |
| Dhaleswari | RMD10 | 02-Dec-98 | 3 | 13.00 | 7.52 |
| Dhaleswari | RMD10 | 02-Dec-98 | 4 | 73.00 | 7.61 |
| Dhaleswari | RMD10 | 02-Dec-98 | 5 | 133.00 | 8.00 |
| Dhaleswari | RMD10 | 02-Dec-98 | 6 | 133.00 | 7.70 |
| Dhaleswari | RMD10 | 02-Dec-98 | 7 | 191.00 | 7.76 |
| Dhaleswari | RMD10 | 02-Dec-98 | 8 | 251.00 | 7.85 |
| Dhaleswari | RMD10 | 02-Dec-98 | 9 | 311.00 | 8.12 |
| Dhaleswari | RMD10 | 02-Dec-98 | 10 | 371.00 | 7.51 |
| Dhaleswari | RMD10 | 02-Dec-98 | 11 | 431.00 | 8.35 |
| Dhaleswari | RMD10 | 02-Dec-98 | 12 | 491.00 | 8.25 |
| Dhaleswari | RMD10 | 02-Dec-98 | 13 | 561.00 | 6.71 |
| Dhaleswari | RMD10 | 02-Dec-98 | 14 | 607.00 | 6.69 |
| Dhaleswari | RMD10 | 02-Dec-98 | 15 | 616.00 | 5.65 |
| Dhaleswari | RMD10 | 02-Dec-98 | 16 | 626.00 | 3.29 |
| Dhaleswari | RMD10 | 02-Dec-98 | 17 | 632.00 | 2.79 |
| Dhaleswari | RMD10 | 02-Dec-98 | 18 | 637.00 | 2.59 |
| Dhaleswari | RMD10 | 02-Dec-98 | 19 | 648.00 | 2.49 |
| Dhaleswari | RMD10 | 02-Dec-98 | 20 | 653.00 | 2.69 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 02-Dec-98 | 21 | 656.00 | 2.89 |
| Dhaleswari | RMD10 | 02-Dec-98 | 22 | 659.00 | 3.29 |
| Dhaleswari | RMD10 | 02-Dec-98 | 23 | 674.00 | 4.46 |
| Dhaleswari | RMD10 | 02-Dec-98 | 24 | 684.00 | 5.59 |
| Dhaleswari | RMD10 | 02-Dec-98 | 25 | 716.00 | 5.72 |
| Dhaleswari | RMD10 | 02-Dec-98 | 26 | 776.00 | 6.75 |
| Dhaleswari | RMD10 | 02-Dec-98 | 27 | 811.00 | 7.68 |
| Dhaleswari | RMD10 | 02-Dec-98 | 28 | 871.00 | 7.57 |
| Dhaleswari | RMD10 | 02-Dec-98 | 29 | 931.00 | 7.51 |
| Dhaleswari | RMD10 | 02-Dec-98 | 30 | 991.00 | 7.25 |
| Dhaleswari | RMD10 | 02-Dec-98 | 31 | 1051.00 | 6.85 |
| Dhaleswari | RMD10 | 02-Dec-98 | 32 | 1111.00 | 6.78 |
| Dhaleswari | RMD10 | 02-Dec-98 | 33 | 1171.00 | 6.77 |
| Dhaleswari | RMD10 | 02-Dec-98 | 34 | 1231.00 | 7.10 |
| Dhaleswari | RMD10 | 02-Dec-98 | 35 | 1291.00 | 7.21 |
| Dhaleswari | RMD10 | 02-Dec-98 | 36 | 1291.00 | 7.50 |
| Dhaleswari | RMD10 | 28-Nov-00 | 1 | 0.00 | 7.50 |
| Dhaleswari | RMD10 | 28-Nov-00 | 2 | 0.00 | 7.22 |
| Dhaleswari | RMD10 | 28-Nov-00 | 3 | 60.00 | 6.91 |
| Dhaleswari | RMD10 | 28-Nov-00 | 4 | 120.00 | 6.86 |
| Dhaleswari | RMD10 | 28-Nov-00 | 5 | 180.00 | 6.78 |
| Dhaleswari | RMD10 | 28-Nov-00 | 6 | 240.00 | 7.21 |
| Dhaleswari | RMD10 | 28-Nov-00 | 7 | 300.00 | 7.01 |
| Dhaleswari | RMD10 | 28-Nov-00 | 8 | 360.00 | 7.31 |
| Dhaleswari | RMD10 | 28-Nov-00 | 9 | 420.00 | 7.44 |
| Dhaleswari | RMD10 | 28-Nov-00 | 10 | 480.00 | 7.11 |
| Dhaleswari | RMD10 | 28-Nov-00 | 11 | 540.00 | 6.88 |
| Dhaleswari | RMD10 | 28-Nov-00 | 12 | 605.00 | 6.01 |
| Dhaleswari | RMD10 | 28-Nov-00 | 13 | 608.00 | 4.91 |
| Dhaleswari | RMD10 | 28-Nov-00 | 14 | 633.00 | 3.33 |
| Dhaleswari | RMD10 | 28-Nov-00 | 15 | 637.00 | 2.93 |
| Dhaleswari | RMD10 | 28-Nov-00 | 16 | 641.00 | 2.83 |
| Dhaleswari | RMD10 | 28-Nov-00 | 17 | 647.00 | 2.58 |
| Dhaleswari | RMD10 | 28-Nov-00 | 18 | 652.00 | 2.73 |
| Dhaleswari | RMD10 | 28-Nov-00 | 19 | 660.00 | 3.08 |
| Dhaleswari | RMD10 | 28-Nov-00 | 20 | 668.00 | 3.33 |
| Dhaleswari | RMD10 | 28-Nov-00 | 21 | 670.00 | 4.52 |
| Dhaleswari | RMD10 | 28-Nov-00 | 22 | 688.00 | 6.31 |
| Dhaleswari | RMD10 | 28-Nov-00 | 23 | 728.00 | 6.59 |
| Dhaleswari | RMD10 | 28-Nov-00 | 24 | 808.00 | 8.15 |
| Dhaleswari | RMD10 | 28-Nov-00 | 25 | 868.00 | 8.20 |
| Dhaleswari | RMD10 | 28-Nov-00 | 26 | 928.00 | 7.90 |
| Dhaleswari | RMD10 | 28-Nov-00 | 27 | 988.00 | 8.01 |
| Dhaleswari | RMD10 | 28-Nov-00 | 28 | 1000.00 | 8.00 |
| Dhaleswari | RMD10 | 28-Nov-00 | 29 | 1008.00 | 7.92 |
| Dhaleswari | RMD10 | 28-Nov-00 | 30 | 1018.00 | 7.85 |
| Dhaleswari | RMD10 | 28-Nov-00 | 31 | 1078.00 | 7.70 |
| Dhaleswari | RMD10 | 28-Nov-00 | 32 | 1138.00 | 7.43 |
| Dhaleswari | RMD10 | 28-Nov-00 | 33 | 1158.00 | 7.68 |
| Dhaleswari | RMD10 | 28-Nov-00 | 34 | 1158.00 | 8.00 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 06-Oct-08 | 1 | 0.00 | 7.52 |
| Dhaleswari | RMD10 | 06-Oct-08 | 2 | 50.00 | 7.45 |
| Dhaleswari | RMD10 | 06-Oct-08 | 3 | 100.00 | 7.39 |
| Dhaleswari | RMD10 | 06-Oct-08 | 4 | 150.00 | 7.72 |
| Dhaleswari | RMD10 | 06-Oct-08 | 5 | 200.00 | 7.87 |
| Dhaleswari | RMD10 | 06-Oct-08 | 6 | 249.00 | 8.06 |
| Dhaleswari | RMD10 | 06-Oct-08 | 7 | 295.00 | 8.34 |
| Dhaleswari | RMD10 | 06-Oct-08 | 8 | 345.00 | 7.42 |
| Dhaleswari | RMD10 | 06-Oct-08 | 9 | 408.00 | 7.80 |
| Dhaleswari | RMD10 | 06-Oct-08 | 10 | 458.00 | 7.17 |
| Dhaleswari | RMD10 | 06-Oct-08 | 11 | 508.00 | 7.56 |
| Dhaleswari | RMD10 | 06-Oct-08 | 12 | 568.00 | 7.82 |
| Dhaleswari | RMD10 | 06-Oct-08 | 13 | 618.00 | 7.53 |
| Dhaleswari | RMD10 | 06-Oct-08 | 14 | 665.00 | 7.28 |
| Dhaleswari | RMD10 | 06-Oct-08 | 15 | 695.00 | 6.96 |
| Dhaleswari | RMD10 | 06-Oct-08 | 16 | 700.00 | 5.21 |
| Dhaleswari | RMD10 | 06-Oct-08 | 17 | 710.00 | 4.61 |
| Dhaleswari | RMD10 | 06-Oct-08 | 18 | 720.00 | 3.71 |
| Dhaleswari | RMD10 | 06-Oct-08 | 19 | 730.00 | 2.71 |
| Dhaleswari | RMD10 | 06-Oct-08 | 20 | 740.00 | .96 |
| Dhaleswari | RMD10 | 06-Oct-08 | 21 | 750.00 | 1.21 |
| Dhaleswari | RMD10 | 06-Oct-08 | 22 | 758.00 | 5.21 |
| Dhaleswari | RMD10 | 06-Oct-08 | 23 | 760.00 | 6.40 |
| Dhaleswari | RMD10 | 06-Oct-08 | 24 | 762.00 | 6.97 |
| Dhaleswari | RMD10 | 06-Oct-08 | 25 | 812.00 | 6.99 |
| Dhaleswari | RMD10 | 06-Oct-08 | 26 | 862.00 | 7.12 |
| Dhaleswari | RMD10 | 06-Oct-08 | 27 | 907.00 | 7.24 |
| Dhaleswari | RMD10 | 06-Oct-08 | 28 | 957.00 | 7.38 |
| Dhaleswari | RMD10 | 06-Oct-08 | 29 | 1007.00 | 7.31 |
| Dhaleswari | RMD10 | 06-Oct-08 | 30 | 1050.00 | 7.27 |
| Dhaleswari | RMD10 | 06-Oct-08 | 31 | 1110.00 | 7.22 |
| Dhaleswari | RMD10 | 06-Oct-08 | 32 | 1160.00 | 7.06 |
| Dhaleswari | RMD10 | 06-Oct-08 | 33 | 1210.00 | 7.43 |
| Dhaleswari | RMD10 | 06-Oct-08 | 34 | 1260.00 | 7.36 |
| Dhaleswari | RMD10 | 06-Oct-08 | 35 | 1290.00 | 7.49 |
| Dhaleswari | RMD10 | 06-Oct-08 | 36 | 1320.00 | 7.41 |
| Dhaleswari | RMD10 | 20-Apr-13 | 1 | 0.00 | 7.65 |
| Dhaleswari | RMD10 | 20-Apr-13 | 2 | 0.00 | 7.39 |
| Dhaleswari | RMD10 | 20-Apr-13 | 3 | 5.00 | 7.42 |
| Dhaleswari | RMD10 | 20-Apr-13 | 4 | 30.00 | 7.49 |
| Dhaleswari | RMD10 | 20-Apr-13 | 5 | 60.00 | 7.36 |

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|---|---|---|---|---|---|
| Dhaleswari | RMD10 | 20-Apr-13 | 6 | 120.00 | 7.41 |
| Dhaleswari | RMD10 | 20-Apr-13 | 7 | 160.00 | 7.43 |
| Dhaleswari | RMD10 | 20-Apr-13 | 8 | 210.00 | 7.01 |
| Dhaleswari | RMD10 | 20-Apr-13 | 9 | 270.00 | 7.21 |
| Dhaleswari | RMD10 | 20-Apr-13 | 10 | 313.00 | 7.19 |
| Dhaleswari | RMD10 | 20-Apr-13 | 11 | 368.00 | 7.17 |
| Dhaleswari | RMD10 | 20-Apr-13 | 12 | 413.00 | 7.21 |
| Dhaleswari | RMD10 | 20-Apr-13 | 13 | 458.00 | 7.27 |
| Dhaleswari | RMD10 | 20-Apr-13 | 14 | 508.00 | 7.28 |
| Dhaleswari | RMD10 | 20-Apr-13 | 15 | 558.00 | 7.23 |
| Dhaleswari | RMD10 | 20-Apr-13 | 16 | 560.00 | 7.00 |
| Dhaleswari | RMD10 | 20-Apr-13 | 17 | 562.00 | 4.49 |
| Dhaleswari | RMD10 | 20-Apr-13 | 18 | 570.00 | 2.47 |
| Dhaleswari | RMD10 | 20-Apr-13 | 19 | 580.00 | 1.72 |
| Dhaleswari | RMD10 | 20-Apr-13 | 20 | 590.00 | 1.17 |
| Dhaleswari | RMD10 | 20-Apr-13 | 21 | 600.00 | 1.04 |
| Dhaleswari | RMD10 | 20-Apr-13 | 22 | 610.00 | 1.26 |
| Dhaleswari | RMD10 | 20-Apr-13 | 23 | 620.00 | 1.86 |
| Dhaleswari | RMD10 | 20-Apr-13 | 24 | 625.00 | 2.47 |
| Dhaleswari | RMD10 | 20-Apr-13 | 25 | 655.00 | 6.95 |
| Dhaleswari | RMD10 | 20-Apr-13 | 26 | 702.00 | 7.20 |
| Dhaleswari | RMD10 | 20-Apr-13 | 27 | 752.00 | 7.29 |
| Dhaleswari | RMD10 | 20-Apr-13 | 28 | 812.00 | 7.31 |
| Dhaleswari | RMD10 | 20-Apr-13 | 29 | 862.00 | 7.33 |
| Dhaleswari | RMD10 | 20-Apr-13 | 30 | 912.00 | 7.17 |
| Dhaleswari | RMD10 | 20-Apr-13 | 31 | 975.00 | 7.19 |
| Dhaleswari | RMD10 | 20-Apr-13 | 32 | 1025.00 | 7.24 |
| Dhaleswari | RMD10 | 20-Apr-13 | 33 | 1071.00 | 7.29 |
| Dhaleswari | RMD10 | 20-Apr-13 | 34 | 1120.00 | 8.10 |
| Dhaleswari | RMD10 | 20-Apr-13 | 35 | 1170.00 | 7.73 |
| Dhaleswari | RMD10 | 20-Apr-13 | 36 | 1220.00 | 7.75 |
| Dhaleswari | RMD10 | 20-Apr-13 | 37 | 1270.00 | 7.42 |
| Dhaleswari | RMD10 | 20-Apr-13 | 38 | 1315.00 | 7.45 |
| Dhaleswari | RMD10 | 20-Apr-13 | 39 | 1320.00 | 7.55 |
| Dhaleswari | RMD10 | 20-Apr-13 | 40 | 1320.00 | 7.81 |
| Dhaleswari | RMD10 | 04-Apr-16 | 1 | 0.00 | 7.65 |
| Dhaleswari | RMD10 | 04-Apr-16 | 2 | 0.00 | 7.34 |
| Dhaleswari | RMD10 | 04-Apr-16 | 3 | 10.00 | 7.45 |
| Dhaleswari | RMD10 | 04-Apr-16 | 4 | 77.00 | 7.41 |
| Dhaleswari | RMD10 | 04-Apr-16 | 5 | 125.00 | 7.43 |
| Dhaleswari | RMD10 | 04-Apr-16 | 6 | 190.00 | 7.18 |
| Dhaleswari | RMD10 | 04-Apr-16 | 7 | 225.00 | 7.08 |
| Dhaleswari | RMD10 | 04-Apr-16 | 8 | 280.00 | 7.15 |
| Dhaleswari | RMD10 | 04-Apr-16 | 9 | 335.00 | 7.16 |
| Dhaleswari | RMD10 | 04-Apr-16 | 10 | 400.00 | 7.19 |
| Dhaleswari | RMD10 | 04-Apr-16 | 11 | 455.00 | 7.23 |
| Dhaleswari | RMD10 | 04-Apr-16 | 12 | 505.00 | 7.25 |
| Dhaleswari | RMD10 | 04-Apr-16 | 13 | 560.00 | 7.11 |
| Dhaleswari | RMD10 | 04-Apr-16 | 14 | 615.00 | 7.08 |
| Dhaleswari | RMD10 | 04-Apr-16 | 15 | 670.00 | 6.97 |

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| Dhaleswari | RMD10 | 04-Apr-16 | 16 | 705.00 | 6.95 |
| Dhaleswari | RMD10 | 04-Apr-16 | 17 | 718.00 | 4.63 |
| Dhaleswari | RMD10 | 04-Apr-16 | 18 | 725.00 | 2.84 |
| Dhaleswari | RMD10 | 04-Apr-16 | 19 | 730.00 | 2.04 |
| Dhaleswari | RMD10 | 04-Apr-16 | 20 | 735.00 | 1.54 |
| Dhaleswari | RMD10 | 04-Apr-16 | 21 | 740.00 | 1.04 |
| Dhaleswari | RMD10 | 04-Apr-16 | 22 | 745.00 | 1.14 |
| Dhaleswari | RMD10 | 04-Apr-16 | 23 | 750.00 | 1.34 |
| Dhaleswari | RMD10 | 04-Apr-16 | 24 | 755.00 | 1.94 |
| Dhaleswari | RMD10 | 04-Apr-16 | 25 | 760.00 | 2.54 |
| Dhaleswari | RMD10 | 04-Apr-16 | 26 | 765.00 | 2.84 |
| Dhaleswari | RMD10 | 04-Apr-16 | 27 | 767.00 | 3.94 |
| Dhaleswari | RMD10 | 04-Apr-16 | 28 | 768.00 | 4.95 |
| Dhaleswari | RMD10 | 04-Apr-16 | 29 | 772.00 | 6.92 |
| Dhaleswari | RMD10 | 04-Apr-16 | 30 | 780.00 | 6.81 |
| Dhaleswari | RMD10 | 04-Apr-16 | 31 | 798.00 | 7.02 |
| Dhaleswari | RMD10 | 04-Apr-16 | 32 | 811.00 | 7.67 |
| Dhaleswari | RMD10 | 04-Apr-16 | 33 | 838.00 | 7.49 |
| Dhaleswari | RMD10 | 04-Apr-16 | 34 | 900.00 | 7.22 |
| Dhaleswari | RMD10 | 04-Apr-16 | 35 | 955.00 | 7.19 |
| Dhaleswari | RMD10 | 04-Apr-16 | 36 | 1120.00 | 8.15 |
| Dhaleswari | RMD10 | 04-Apr-16 | 37 | 1165.00 | 7.81 |
| Dhaleswari | RMD10 | 04-Apr-16 | 38 | 1220.00 | 7.77 |
| Dhaleswari | RMD10 | 04-Apr-16 | 39 | 1275.00 | 7.49 |
| Dhaleswari | RMD10 | 04-Apr-16 | 40 | 1320.00 | 7.62 |
| Dhaleswari | RMD10 | 04-Apr-16 | 41 | 1320.00 | 7.81 |

| NOTE |
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| Top of P/1 at RB |
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| Top of P/1 at RB |
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| GL of P/2 at RB |
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| GL of P/2 at RB |
| Top of P/2 at RB |

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| Ground level of R.C.C. Pillar no.-01 at right bank.<br>Position : E – 508309, N – 634022. |
| Agri land. |
| Do. |
| Do. |
| Do. |
| Earth road. Position: E- 508130; N-634195. |
| Agri land + housing area. |
| Do. |
| Do. |
| Do. |
| Do. |
| Agri land. |
| Do. |
| Do. |
| Right bank of channel-01. Position: E-507789; N- 634483. |
| Right water edge (RWE). |
| Depth. |
| Do. |
| Do. |
| Do. |
| Do. |
| Left water edge (LWE). |
| Slope of left bank. |
| Left bank of channel-01. Position: E-507743; N- 634532. |
| Agri land. |
| Do. |
| Do. |
| Do. |
| Agri land. |
| Do. |
| Do. |
| Do. |
| Housing area. |
| |
| |
| Ground level of R.C.C. Pillar no-03 at left bank. Position : E – 507320; N – 634897. |
| Top of RCC Pillar # 01 at L/B |
| G.L of RCC Pillar # 01 at L/B |
| Housing Area |
| Do |
| Do |

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|---|
| Do |
| Do |
| Agriculture Land |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Left Bank |
| Slope |
| LWE at 01:23 PM on 20-04-2013 |
| Depth |
| Do |
| Do |
| Do |
| Do |
| RWE at 01:28 PM on 20-04-2013 |
| Right Bank |
| Agriculture land |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Earthen Road |
| Agriculture land |
| Do |
| Do |
| Do |
| G.L of RCC Pillar # 02 at R/B |
| Top of RCC Pillar # 02 at R/B |
| Top of RCC Pillar # 01 at L/B |
| G.L of RCC Pillar # 01 at L/B |
| Housing Area |
| Do |
| Do |
| Do |
| Agriculture Land |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |

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|---|
| Left Bank |
| Slope |
| LWE at 01:30 PM on 4-04-2016 |
| Depth |
| Do |
| Do |
| Do |
| Do |
| Do |
| Do |
| RWE at 01:45 PM on 4-04-2016 |
| Slope |
| Slope |
| Right Bank |
| Agriculture land |
| Do |
| Do |
| Do |
| Do |
| Do |
| Earthen Road |
| Agriculture land |
| Do |
| Do |
| G.L of RCC Pillar # 02 at R/B |
| Top of RCC Pillar # 02 at R/B |

| RIVER_NAME | STATION_ID | Date | SLNO | DISTANCE | RL | NOTE |
|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 09-Jan-73 | 1 | 0.00 | 8.45 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 09-Jan-73 | 2 | 60.98 | 7.63 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 3 | 121.95 | 7.68 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 4 | 152.44 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 09-Jan-73 | 5 | 213.41 | 8.04 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 6 | 274.39 | 8.08 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 7 | 335.37 | 8.09 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 8 | 373.48 | 8.16 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 9 | 434.45 | 8.06 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 10 | 486.28 | 8.14 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 11 | 490.85 | 4.95 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 12 | 495.43 | 2.97 | RWE dt. 09-01-73 Time: 1400 hrs. |
| Dhaleswari | RMD11 | 09-Jan-73 | 13 | 510.37 | .83 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 14 | 520.12 | .22 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 15 | 526.52 | -.39 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 16 | 530.49 | -.08 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 17 | 536.59 | -.69 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 18 | 540.24 | -.39 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 19 | 549.39 | .83 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 20 | 559.45 | 2.97 | LWE |
| Dhaleswari | RMD11 | 09-Jan-73 | 21 | 574.70 | 3.61 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 22 | 635.67 | 3.94 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 23 | 696.65 | 3.72 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 24 | 757.62 | 4.40 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 25 | 818.60 | 5.13 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 26 | 879.57 | 5.46 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 27 | 940.55 | 5.59 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 28 | 1001.52 | 5.98 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 29 | 1071.65 | 6.13 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 30 | 1135.67 | 6.19 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 31 | 1199.70 | 6.34 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 32 | 1266.77 | 6.43 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 33 | 1327.74 | 6.40 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 34 | 1388.72 | 6.56 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 35 | 1449.70 | 6.54 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 36 | 1455.79 | 6.50 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 37 | 1525.91 | 6.62 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 38 | 1586.89 | 6.67 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 39 | 1647.87 | 6.65 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 40 | 1736.28 | 6.71 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 41 | 1797.26 | 6.98 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 42 | 1858.23 | 6.58 | |
| Dhaleswari | RMD11 | 09-Jan-73 | 43 | 1923.78 | 6.98 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 22-Apr-78 | 1 | 0.00 | 8.45 | Top of P/1at LB |
| Dhaleswari | RMD11 | 22-Apr-78 | 2 | 0.00 | 8.20 | GL of P/1at LB |
| Dhaleswari | RMD11 | 22-Apr-78 | 3 | 60.98 | 8.13 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 4 | 121.95 | 8.07 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 5 | 151.83 | 7.74 | GL of P/2 at RB |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 22-Apr-78 | 6 | 151.83 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 22-Apr-78 | 7 | 212.80 | 7.55 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 8 | 273.78 | 7.65 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 9 | 334.76 | 7.60 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 10 | 395.73 | 7.26 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 11 | 456.71 | 6.87 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 12 | 486.28 | 6.24 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 13 | 490.85 | 3.91 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 14 | 500.00 | 1.95 | RWE (Main) dt. 23-04-78 Time: 1200 hrs. |
| Dhaleswari | RMD11 | 22-Apr-78 | 15 | 518.29 | .43 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 16 | 533.54 | -1.10 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 17 | 548.78 | -.18 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 18 | 564.02 | .43 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 19 | 579.27 | 1.04 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 20 | 591.46 | 1.95 | LWE |
| Dhaleswari | RMD11 | 22-Apr-78 | 21 | 597.56 | 4.40 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 22 | 598.48 | 6.51 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 23 | 668.60 | 6.70 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 24 | 729.57 | 6.20 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 25 | 790.55 | 6.75 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 26 | 851.52 | 6.92 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 27 | 912.50 | 6.99 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 28 | 973.48 | 6.84 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 29 | 1034.45 | 6.69 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 30 | 1095.43 | 6.65 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 31 | 1137.80 | 6.81 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 32 | 1198.78 | 6.95 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 33 | 1259.76 | 6.76 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 34 | 1320.73 | 6.83 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 35 | 1381.71 | 6.87 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 36 | 1442.68 | 6.79 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 37 | 1476.52 | 6.85 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 38 | 1537.50 | 6.63 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 39 | 1598.48 | 6.55 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 40 | 1659.45 | 6.82 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 41 | 1720.43 | 6.54 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 42 | 1781.40 | 6.82 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 43 | 1803.35 | 6.73 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 44 | 1864.33 | 6.79 | |
| Dhaleswari | RMD11 | 22-Apr-78 | 45 | 1927.44 | 6.83 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 22-Apr-78 | 46 | 1927.44 | 6.97 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 13-Mar-80 | 1 | -0.20 | 8.03 | Wooden peg at RB |
| Dhaleswari | RMD11 | 13-Mar-80 | 2 | 20.54 | 7.24 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 3 | 81.51 | 7.53 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 4 | 142.49 | 7.91 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 13-Mar-80 | 5 | 142.49 | 7.56 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 13-Mar-80 | 6 | 182.73 | 7.49 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 7 | 243.71 | 7.47 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 8 | 304.68 | 7.52 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 13-Mar-80 | 9 | 365.66 | 7.53 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 10 | 426.63 | 7.65 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 11 | 468.10 | 6.11 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 12 | 498.59 | 2.62 | RWE |
| Dhaleswari | RMD11 | 13-Mar-80 | 13 | 504.07 | 2.01 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 14 | 513.22 | 1.70 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 15 | 522.37 | 2.31 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 16 | 532.12 | 2.62 | LWE |
| Dhaleswari | RMD11 | 13-Mar-80 | 17 | 605.29 | 5.26 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 18 | 699.80 | 5.56 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 19 | 760.78 | 6.76 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 20 | 821.76 | 6.95 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 21 | 882.73 | 6.67 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 22 | 943.71 | 6.82 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 23 | 1013.83 | 6.76 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 24 | 1074.80 | 7.75 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 25 | 1135.78 | 7.71 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 26 | 1196.76 | 7.44 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 27 | 1257.73 | 6.99 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 28 | 1318.71 | 6.93 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 29 | 1379.68 | 6.72 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 30 | 1443.71 | 6.55 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 31 | 1504.68 | 6.36 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 32 | 1565.66 | 6.34 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 33 | 1626.63 | 6.25 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 34 | 1687.61 | 6.42 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 35 | 1754.07 | 6.38 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 36 | 1815.05 | 6.16 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 37 | 1876.02 | 6.18 | |
| Dhaleswari | RMD11 | 13-Mar-80 | 38 | 1937.00 | 6.55 | GL of P/1 at LB |
| Dhaleswari | RMD11 | 13-Mar-80 | 39 | 1937.00 | 6.97 | Top of P/1 at LB |
| Dhaleswari | RMD11 | 08-Apr-81 | 1 | 0.00 | 8.02 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 08-Apr-81 | 2 | 0.00 | 7.96 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 08-Apr-81 | 3 | 60.98 | 7.52 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 4 | 121.95 | 7.56 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 5 | 152.44 | 7.73 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 08-Apr-81 | 6 | 152.44 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 08-Apr-81 | 7 | 213.41 | 7.80 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 8 | 274.39 | 8.05 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 9 | 335.37 | 8.08 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 10 | 396.34 | 8.07 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 11 | 481.71 | 8.00 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 12 | 491.16 | 3.34 | RWE |
| Dhaleswari | RMD11 | 08-Apr-81 | 13 | 497.26 | 2.42 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 14 | 503.35 | 1.97 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 15 | 511.59 | 3.34 | LWE |
| Dhaleswari | RMD11 | 08-Apr-81 | 16 | 572.56 | 4.83 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 17 | 603.05 | 6.31 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 18 | 633.54 | 7.50 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 19 | 694.51 | 7.44 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 08-Apr-81 | 20 | 755.49 | 7.40 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 21 | 786.59 | 7.35 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 22 | 817.07 | 7.25 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 23 | 878.05 | 7.38 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 24 | 939.02 | 7.70 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 25 | 1000.00 | 7.73 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 26 | 1059.76 | 7.78 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 27 | 1120.73 | 7.56 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 28 | 1181.71 | 7.44 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 29 | 1242.68 | 7.41 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 30 | 1303.66 | 7.31 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 31 | 1364.63 | 7.09 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 32 | 1425.61 | 6.87 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 33 | 1486.59 | 6.84 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 34 | 1517.07 | 6.97 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 35 | 1578.05 | 6.83 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 36 | 1639.02 | 6.94 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 37 | 1700.00 | 6.63 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 38 | 1760.98 | 6.32 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 39 | 1821.95 | 6.66 | |
| Dhaleswari | RMD11 | 08-Apr-81 | 40 | 1910.67 | 7.19 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 08-Apr-81 | 41 | 1910.67 | 7.59 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 07-Jun-87 | 1 | 0.00 | 8.44 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 07-Jun-87 | 2 | 0.00 | 8.32 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 07-Jun-87 | 3 | 60.96 | 7.54 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 4 | 121.92 | 7.62 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 07-Jun-87 | 5 | 152.40 | 7.92 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 07-Jun-87 | 6 | 213.36 | 7.69 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 7 | 274.32 | 8.06 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 8 | 335.28 | 8.12 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 9 | 396.24 | 7.96 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 10 | 469.39 | 8.03 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 11 | 475.49 | 5.39 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 12 | 481.58 | 3.31 | REW on dt. 08.06.87 Time: 1000 hrs. |
| Dhaleswari | RMD11 | 07-Jun-87 | 13 | 489.81 | 2.40 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 14 | 498.04 | 2.55 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 15 | 505.97 | 3.31 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 16 | 506.27 | 3.31 | LWE |
| Dhaleswari | RMD11 | 07-Jun-87 | 17 | 515.11 | 4.91 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 18 | 576.07 | 6.77 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 19 | 637.03 | 7.47 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 20 | 697.99 | 7.38 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 21 | 758.95 | 7.47 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 22 | 819.91 | 7.42 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 23 | 880.87 | 7.35 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 24 | 941.83 | 7.32 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 25 | 1002.79 | 7.24 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 26 | 1063.75 | 7.65 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 27 | 1124.71 | 7.51 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 07-Jun-87 | 28 | 1185.67 | 7.62 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 29 | 1246.63 | 7.47 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 30 | 1307.59 | 7.41 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 31 | 1368.55 | 7.35 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 32 | 1429.51 | 7.30 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 33 | 1459.99 | 7.15 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 34 | 1520.95 | 7.04 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 35 | 1581.91 | 6.88 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 36 | 1642.87 | 7.01 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 37 | 1703.83 | 6.97 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 38 | 1764.79 | 6.89 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 39 | 1825.75 | 6.80 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 40 | 1886.71 | 6.74 | |
| Dhaleswari | RMD11 | 07-Jun-87 | 41 | 1886.71 | 6.89 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 07-Jun-87 | 42 | 1911.10 | 6.98 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 07-Apr-91 | 1 | 0.00 | 8.24 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 07-Apr-91 | 2 | 0.00 | 8.13 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 07-Apr-91 | 3 | 50.00 | 7.53 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 4 | 100.00 | 7.60 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 5 | 152.00 | 7.72 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 07-Apr-91 | 6 | 152.00 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 07-Apr-91 | 7 | 202.00 | 7.62 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 8 | 252.00 | 7.99 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 9 | 302.00 | 8.14 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 10 | 352.00 | 7.98 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 11 | 402.00 | 8.00 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 12 | 475.00 | 5.36 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 13 | 481.00 | 3.30 | RWE |
| Dhaleswari | RMD11 | 07-Apr-91 | 14 | 487.00 | 2.60 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 15 | 489.00 | 2.55 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 16 | 505.00 | 3.30 | LWE |
| Dhaleswari | RMD11 | 07-Apr-91 | 17 | 516.00 | 4.87 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 18 | 556.00 | 6.74 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 19 | 616.00 | 7.47 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 20 | 656.00 | 7.32 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 21 | 716.00 | 7.47 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 22 | 756.00 | 7.40 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 23 | 816.00 | 7.34 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 24 | 856.00 | 7.40 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 25 | 916.00 | 7.24 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 26 | 956.00 | 7.45 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 27 | 1065.00 | 7.65 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 28 | 1125.00 | 7.53 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 29 | 1175.00 | 7.62 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 30 | 1233.00 | 7.50 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 31 | 1300.00 | 7.44 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 32 | 1350.00 | 7.34 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 33 | 1400.00 | 7.30 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 34 | 1460.00 | 7.15 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 35 | 1521.00 | 7.05 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 07-Apr-91 | 36 | 1580.00 | 7.05 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 37 | 1630.00 | 6.92 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 38 | 1690.00 | 7.00 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 39 | 1740.00 | 6.97 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 40 | 1800.00 | 6.90 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 41 | 1850.00 | 6.80 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 42 | 1900.00 | 6.76 | |
| Dhaleswari | RMD11 | 07-Apr-91 | 43 | 1912.00 | 6.89 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 07-Apr-91 | 44 | 1912.00 | 6.99 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 08-Jun-94 | 1 | 0.00 | 8.01 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 08-Jun-94 | 2 | 0.00 | 7.87 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 08-Jun-94 | 3 | 60.00 | 7.70 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 4 | 107.00 | 7.66 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 08-Jun-94 | 5 | 107.00 | 7.39 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 08-Jun-94 | 6 | 167.00 | 7.78 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 7 | 227.00 | 7.02 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 8 | 287.00 | 7.09 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 9 | 332.00 | 7.88 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 10 | 392.00 | 7.14 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 11 | 414.00 | 7.01 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 12 | 421.00 | 3.43 | RWE |
| Dhaleswari | RMD11 | 08-Jun-94 | 13 | 431.00 | 1.93 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 14 | 444.00 | 1.43 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 15 | 453.00 | 2.23 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 16 | 466.00 | 2.43 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 17 | 491.00 | 3.43 | LWE |
| Dhaleswari | RMD11 | 08-Jun-94 | 18 | 551.00 | 5.13 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 19 | 578.00 | 5.43 | Bank |
| Dhaleswari | RMD11 | 08-Jun-94 | 20 | 638.00 | 6.33 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 21 | 698.00 | 6.55 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 22 | 738.00 | 6.53 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 23 | 798.00 | 6.59 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 24 | 833.00 | 6.49 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 25 | 893.00 | 6.38 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 26 | 957.00 | 6.73 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 27 | 961.00 | 7.35 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 28 | 993.00 | 6.96 | Toe of Road |
| Dhaleswari | RMD11 | 08-Jun-94 | 29 | 994.00 | 8.22 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 30 | 997.00 | 8.22 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 31 | 998.00 | 6.93 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 32 | 1054.00 | 6.58 | 90o |
| Dhaleswari | RMD11 | 08-Jun-94 | 33 | 1154.00 | 6.57 | 90o |
| Dhaleswari | RMD11 | 08-Jun-94 | 34 | 1214.00 | 6.91 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 35 | 1274.00 | 6.91 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 36 | 1334.00 | 6.72 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 37 | 1394.00 | 6.70 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 38 | 1404.00 | 6.67 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 39 | 1464.00 | 6.93 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 40 | 1524.00 | 6.90 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 41 | 1584.00 | 6.88 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 08-Jun-94 | 42 | 1604.00 | 6.97 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 43 | 1664.00 | 6.92 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 44 | 1724.00 | 6.84 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 45 | 1784.00 | 6.81 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 46 | 1844.00 | 6.79 | |
| Dhaleswari | RMD11 | 08-Jun-94 | 47 | 1880.00 | 6.98 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 08-Jun-94 | 48 | 1880.00 | 6.89 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 30-Nov-98 | 1 | 0.00 | 8.01 | Top of P/1 at RB |
| Dhaleswari | RMD11 | 30-Nov-98 | 2 | 0.00 | 7.88 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 30-Nov-98 | 3 | 60.00 | 7.75 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 4 | 107.00 | 7.66 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 30-Nov-98 | 5 | 107.00 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 30-Nov-98 | 6 | 167.00 | 7.95 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 7 | 227.00 | 7.99 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 8 | 287.00 | 8.18 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 9 | 347.00 | 8.48 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 10 | 400.00 | 8.05 | RHB |
| Dhaleswari | RMD11 | 30-Nov-98 | 11 | 417.00 | 3.37 | RWE |
| Dhaleswari | RMD11 | 30-Nov-98 | 12 | 426.00 | 2.62 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 13 | 435.00 | 1.37 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 14 | 438.00 | 2.12 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 15 | 446.00 | 2.87 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 16 | 453.00 | 3.37 | LWE |
| Dhaleswari | RMD11 | 30-Nov-98 | 17 | 463.00 | 4.16 | Slope |
| Dhaleswari | RMD11 | 30-Nov-98 | 18 | 482.00 | 5.26 | LB |
| Dhaleswari | RMD11 | 30-Nov-98 | 19 | 542.00 | 5.43 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 20 | 602.00 | 5.95 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 21 | 662.00 | 6.26 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 22 | 722.00 | 6.37 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 23 | 782.00 | 6.68 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 24 | 842.00 | 6.59 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 25 | 902.00 | 6.41 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 26 | 962.00 | 6.53 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 27 | 993.00 | 6.36 | Toe of Road |
| Dhaleswari | RMD11 | 30-Nov-98 | 28 | 994.00 | 8.30 | Creast of Road |
| Dhaleswari | RMD11 | 30-Nov-98 | 29 | 997.00 | 8.30 | Creast of Road |
| Dhaleswari | RMD11 | 30-Nov-98 | 30 | 998.00 | 6.36 | Toe of Road |
| Dhaleswari | RMD11 | 30-Nov-98 | 31 | 1039.00 | 6.65 | 90° |
| Dhaleswari | RMD11 | 30-Nov-98 | 32 | 1156.00 | 6.59 | 90° |
| Dhaleswari | RMD11 | 30-Nov-98 | 33 | 1216.00 | 6.95 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 34 | 1276.00 | 6.98 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 35 | 1336.00 | 6.75 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 36 | 1396.00 | 6.74 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 37 | 1450.00 | 6.86 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 38 | 1516.00 | 6.97 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 39 | 1576.00 | 6.91 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 40 | 1636.00 | 6.95 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 41 | 1696.00 | 6.97 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 42 | 1756.00 | 6.89 | |
| Dhaleswari | RMD11 | 30-Nov-98 | 43 | 1816.00 | 6.85 | |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 30-Nov-98 | 44 | 1880.00 | 6.89 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 30-Nov-98 | 45 | 1880.00 | 6.98 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 26-Nov-00 | 1 | 0.00 | 6.98 | Top of P/3 at LB |
| Dhaleswari | RMD11 | 26-Nov-00 | 2 | 0.00 | 6.82 | GL of P/3 at LB |
| Dhaleswari | RMD11 | 26-Nov-00 | 3 | 60.00 | 6.81 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 4 | 120.00 | 6.88 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 5 | 180.00 | 6.73 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 6 | 240.00 | 6.85 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 7 | 300.00 | 6.89 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 8 | 360.00 | 6.73 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 9 | 420.00 | 6.86 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 10 | 480.00 | 6.99 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 11 | 540.00 | 6.98 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 12 | 600.00 | 6.91 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 13 | 660.00 | 6.75 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 14 | 720.00 | 6.62 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 15 | 840.00 | 6.67 | L 90o |
| Dhaleswari | RMD11 | 26-Nov-00 | 16 | 882.00 | 6.45 | Toe of Road |
| Dhaleswari | RMD11 | 26-Nov-00 | 17 | 883.00 | 8.31 | Crest of Road |
| Dhaleswari | RMD11 | 26-Nov-00 | 18 | 886.00 | 8.31 | Crest of Road |
| Dhaleswari | RMD11 | 26-Nov-00 | 19 | 887.00 | 6.41 | Toe of Road |
| Dhaleswari | RMD11 | 26-Nov-00 | 20 | 914.00 | 6.45 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 21 | 974.00 | 6.41 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 22 | 1034.00 | 6.30 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 23 | 1094.00 | 6.25 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 24 | 1154.00 | 6.12 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 25 | 1214.00 | 6.01 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 26 | 1274.00 | 5.99 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 27 | 1334.00 | 5.96 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 28 | 1394.00 | 5.86 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 29 | 1420.00 | 4.99 | Slope |
| Dhaleswari | RMD11 | 26-Nov-00 | 30 | 1422.00 | 3.40 | LWE |
| Dhaleswari | RMD11 | 26-Nov-00 | 31 | 1427.00 | 2.40 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 32 | 1434.00 | 1.40 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 33 | 1445.00 | 1.90 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 34 | 1455.00 | 2.65 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 35 | 1464.00 | 3.40 | RWE dt. 26/11/2000 Time: 1430 hrs. |
| Dhaleswari | RMD11 | 26-Nov-00 | 36 | 1476.00 | 5.23 | Slope |
| Dhaleswari | RMD11 | 26-Nov-00 | 37 | 1479.00 | 8.01 | RHB |
| Dhaleswari | RMD11 | 26-Nov-00 | 38 | 1513.00 | 7.63 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 39 | 1573.00 | 7.77 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 40 | 1593.00 | 7.63 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 41 | 1653.00 | 7.85 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 42 | 1713.00 | 7.80 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 43 | 1773.00 | 7.93 | Top of P/2 at RB |
| Dhaleswari | RMD11 | 26-Nov-00 | 44 | 1773.00 | 7.65 | GL of P/2 at RB |
| Dhaleswari | RMD11 | 26-Nov-00 | 45 | 1820.00 | 7.63 | |
| Dhaleswari | RMD11 | 26-Nov-00 | 46 | 1880.00 | 7.88 | GL of P/1 at RB |
| Dhaleswari | RMD11 | 26-Nov-00 | 47 | 1880.00 | 8.01 | Top of P/1 at RB |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 06-Nov-08 | 1 | 0.00 | 7.83 | Ground level of R.C.C. Pillar no.-01 at right bank. Position : E – 511220, N – 634431. |
| Dhaleswari | RMD11 | 06-Nov-08 | 2 | 50.00 | 7.74 | Housing area. |
| Dhaleswari | RMD11 | 06-Nov-08 | 3 | 78.00 | 7.62 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 4 | 128.00 | 7.70 | Agri land. |
| Dhaleswari | RMD11 | 06-Nov-08 | 5 | 170.00 | 7.64 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 6 | 195.00 | 7.55 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 7 | 230.00 | 7.48 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 8 | 256.00 | 7.40 | Right bank of channel -01.Position: E-511536; N-634596. |
| Dhaleswari | RMD11 | 06-Nov-08 | 9 | 268.00 | 6.14 | Slope of right bank. |
| Dhaleswari | RMD11 | 06-Nov-08 | 10 | 278.00 | 4.89 | Right water edge (RWE). |
| Dhaleswari | RMD11 | 06-Nov-08 | 11 | 283.00 | 4.19 | Depth. |
| Dhaleswari | RMD11 | 06-Nov-08 | 12 | 288.00 | .89 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 13 | 293.00 | -1.11 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 14 | 298.00 | -1.61 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 15 | 303.00 | -2.11 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 16 | 308.00 | -1.61 | |
| Dhaleswari | RMD11 | 06-Nov-08 | 17 | 318.00 | -.11 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 18 | 328.00 | 1.39 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 19 | 336.00 | 3.39 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 20 | 346.00 | 4.19 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 21 | 352.00 | 4.89 | Left water edge (LWE). |
| Dhaleswari | RMD11 | 06-Nov-08 | 22 | 375.00 | 5.96 | Slope of left bank. |
| Dhaleswari | RMD11 | 06-Nov-08 | 23 | 392.00 | 6.60 | Left bank of channel -01. Posotion: E- 511656; N- 634654. |
| Dhaleswari | RMD11 | 06-Nov-08 | 24 | 452.00 | 6.85 | Agri land. |
| Dhaleswari | RMD11 | 06-Nov-08 | 25 | 502.00 | 6.31 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 26 | 552.00 | 6.26 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 27 | 602.00 | 6.29 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 28 | 652.00 | 6.40 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 29 | 712.00 | 6.78 | Agri land. |
| Dhaleswari | RMD11 | 06-Nov-08 | 30 | 772.00 | 6.47 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 31 | 832.00 | 6.52 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 32 | 897.00 | 6.57 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 33 | 996.00 | 8.29 | Earth road. Position: E- 512106; N-634886. |
| Dhaleswari | RMD11 | 06-Nov-08 | 34 | 1020.00 | 6.61 | Agri land. |
| Dhaleswari | RMD11 | 06-Nov-08 | 35 | 1070.00 | 6.79 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 36 | 1120.00 | 6.76 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 37 | 1180.00 | 6.83 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 38 | 1240.00 | 6.95 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 39 | 1300.00 | 7.01 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 40 | 1360.00 | 6.98 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 41 | 1420.00 | 6.93 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 42 | 1480.00 | 6.90 | Do. |

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|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 06-Nov-08 | 43 | 1540.00 | 6.87 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 44 | 1600.00 | 6.83 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 45 | 1660.00 | 6.89 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 46 | 1710.00 | 7.17 | Housing area. |
| Dhaleswari | RMD11 | 06-Nov-08 | 47 | 1760.00 | 7.10 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 48 | 1810.00 | 6.99 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 49 | 1860.00 | 6.94 | Do. |
| Dhaleswari | RMD11 | 06-Nov-08 | 50 | 1878.00 | 6.96 | Ground level of R.C.C. Pillar no-03 at left bank.Position : E – 512891, N – 635288. |
| Dhaleswari | RMD11 | 21-Apr-13 | 1 | 0.00 | 7.22 | Top of RCC Pillar # 01 at L/B |
| Dhaleswari | RMD11 | 21-Apr-13 | 2 | 0.00 | 6.96 | G.L of RCC Pillar # 01 at L/B |
| Dhaleswari | RMD11 | 21-Apr-13 | 3 | 3.00 | 6.92 | Housing Area |
| Dhaleswari | RMD11 | 21-Apr-13 | 4 | 18.00 | 6.95 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 5 | 68.00 | 7.19 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 6 | 118.00 | 7.10 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 7 | 168.00 | 7.17 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 8 | 218.00 | 6.84 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 9 | 278.00 | 6.87 | Agriculture Land |
| Dhaleswari | RMD11 | 21-Apr-13 | 10 | 338.00 | 6.92 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 11 | 398.00 | 6.93 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 12 | 458.00 | 6.94 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 13 | 518.00 | 6.91 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 14 | 578.00 | 6.80 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 15 | 638.00 | 6.76 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 16 | 698.00 | 6.73 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 17 | 758.00 | 6.75 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 18 | 808.00 | 6.72 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 19 | 858.00 | 6.69 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 20 | 882.00 | 6.60 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 21 | 981.00 | 8.28 | Earth Road |
| Dhaleswari | RMD11 | 21-Apr-13 | 22 | 1046.00 | 6.70 | Agriculture Land |
| Dhaleswari | RMD11 | 21-Apr-13 | 23 | 1106.00 | 6.56 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 24 | 1166.00 | 6.41 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 25 | 1226.00 | 6.31 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 26 | 1276.00 | 6.29 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 27 | 1326.00 | 6.26 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 28 | 1376.00 | 6.31 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 29 | 1425.00 | 6.45 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 30 | 1486.00 | 6.58 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 31 | 1503.00 | 6.62 | Left Bank |
| Dhaleswari | RMD11 | 21-Apr-13 | 32 | 1526.00 | 3.97 | Siope |
| Dhaleswari | RMD11 | 21-Apr-13 | 33 | 1532.00 | 2.42 | LWE at 02:13 PM on 21-04-2013 |
| Dhaleswari | RMD11 | 21-Apr-13 | 34 | 1542.00 | .89 | Depth |
| Dhaleswari | RMD11 | 21-Apr-13 | 35 | 1550.00 | .78 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 36 | 1560.00 | .60 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 37 | 1570.00 | -1.40 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 38 | 1575.00 | -1.90 | Do |

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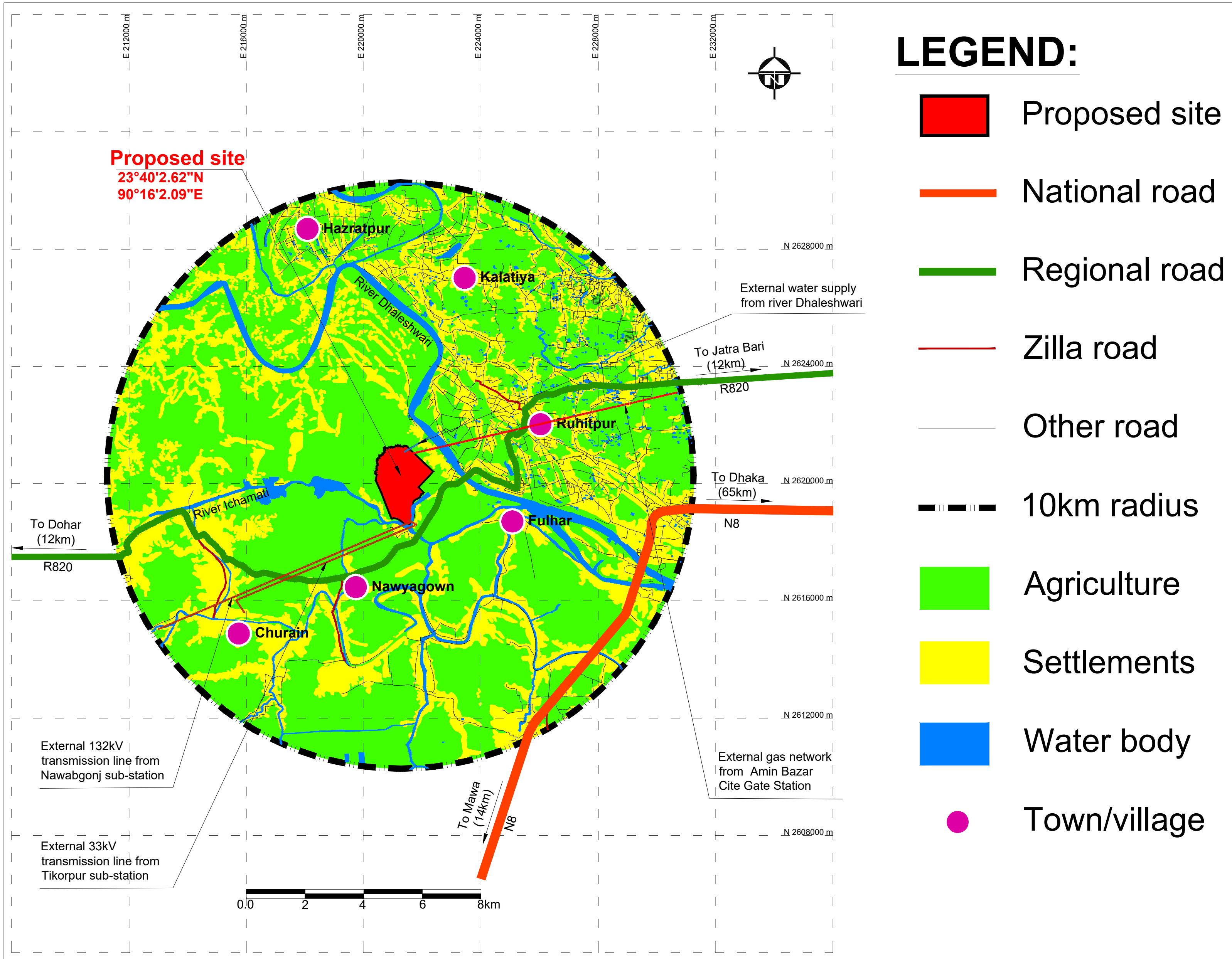
|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 21-Apr-13 | 39 | 1580.00 | -1.61 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 40 | 1585.00 | .61 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 41 | 1590.00 | .82 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 42 | 1595.00 | 1.07 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 43 | 1600.00 | 1.16 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 44 | 1610.00 | 2.42 | RWE at 02:21 PM on 21-04-2013 |
| Dhaleswari | RMD11 | 21-Apr-13 | 45 | 1622.00 | 4.97 | Slope |
| Dhaleswari | RMD11 | 21-Apr-13 | 46 | 1648.00 | 7.45 | Right Bank |
| Dhaleswari | RMD11 | 21-Apr-13 | 47 | 1682.00 | 7.48 | Agriculture land |
| Dhaleswari | RMD11 | 21-Apr-13 | 48 | 1708.00 | 7.52 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 49 | 1750.00 | 7.64 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 50 | 1800.00 | 7.69 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 51 | 1828.00 | 7.74 | Housing Area |
| Dhaleswari | RMD11 | 21-Apr-13 | 52 | 1870.00 | 7.75 | Do |
| Dhaleswari | RMD11 | 21-Apr-13 | 53 | 1878.00 | 7.85 | G.L of RCC Pillar # 02 at R/B |
| Dhaleswari | RMD11 | 21-Apr-13 | 54 | 1878.00 | 8.16 | Top of RCC Pillar # 02 at R/B |
| Dhaleswari | RMD11 | 06-Apr-16 | 1 | 0.00 | 7.22 | Top of RCC Pillar # 01 at L/B |
| Dhaleswari | RMD11 | 06-Apr-16 | 2 | 0.00 | 7.03 | G.L of RCC Pillar # 01 at L/B |
| Dhaleswari | RMD11 | 06-Apr-16 | 3 | 10.00 | 6.91 | Housing Area |
| Dhaleswari | RMD11 | 06-Apr-16 | 4 | 65.00 | 7.10 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 5 | 120.00 | 7.12 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 6 | 175.00 | 7.05 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 7 | 235.00 | 6.95 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 8 | 285.00 | 6.87 | Agriculture Land |
| Dhaleswari | RMD11 | 06-Apr-16 | 9 | 340.00 | 6.91 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 10 | 400.00 | 6.88 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 11 | 465.00 | 6.89 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 12 | 520.00 | 6.86 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 13 | 580.00 | 6.82 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 14 | 640.00 | 6.79 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 15 | 700.00 | 6.75 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 16 | 750.00 | 6.77 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 17 | 805.00 | 6.74 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 18 | 860.00 | 6.71 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 19 | 915.00 | 6.69 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 20 | 970.00 | 6.72 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 21 | 980.00 | 8.32 | Earth Road |
| Dhaleswari | RMD11 | 06-Apr-16 | 22 | 1035.00 | 6.73 | Agriculture Land |
| Dhaleswari | RMD11 | 06-Apr-16 | 23 | 1100.00 | 6.68 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 24 | 1155.00 | 6.41 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 25 | 1210.00 | 6.37 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 26 | 1270.00 | 6.32 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 27 | 1320.00 | 6.29 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 28 | 1375.00 | 6.30 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 29 | 1430.00 | 6.41 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 30 | 1470.00 | 5.92 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 31 | 1495.00 | 5.55 | Left Bank |
| Dhaleswari | RMD11 | 06-Apr-16 | 32 | 1520.00 | 4.21 | Siope |
| Dhaleswari | RMD11 | 06-Apr-16 | 33 | 1530.00 | 2.86 | LWE at 04:15 PM on 6-04-2016 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Dhaleswari | RMD11 | 06-Apr-16 | 34 | 1540.00 | 2.06 | Depth |
| Dhaleswari | RMD11 | 06-Apr-16 | 35 | 1550.00 | 1.36 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 36 | 1560.00 | .96 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 37 | 1570.00 | 1.26 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 38 | 1580.00 | 1.56 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 39 | 1587.00 | 2.16 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 40 | 1590.00 | 2.86 | RWE at 04:21 PM on 6-04-2016 |
| Dhaleswari | RMD11 | 06-Apr-16 | 41 | 1608.00 | 5.65 | Slope |
| Dhaleswari | RMD11 | 06-Apr-16 | 42 | 1635.00 | 7.38 | Right Bank |
| Dhaleswari | RMD11 | 06-Apr-16 | 43 | 1690.00 | 7.50 | Agriculture land |
| Dhaleswari | RMD11 | 06-Apr-16 | 44 | 1745.00 | 7.61 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 45 | 1800.00 | 7.66 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 46 | 1820.00 | 7.79 | Housing Area |
| Dhaleswari | RMD11 | 06-Apr-16 | 47 | 1870.00 | 7.82 | Do |
| Dhaleswari | RMD11 | 06-Apr-16 | 48 | 1878.00 | 7.80 | G.L of RCC Pillar # 02 at R/B |
| Dhaleswari | RMD11 | 06-Apr-16 | 49 | 1878.00 | 8.15 | Top of RCC Pillar # 02 at R/B |

## 15.39. Annexure 39 – Land Use Map for 10kms radius from the proposed EZ




Project title
Development of economic zone - Nababgonj,Bangladesh

Drawing title
Landuse map - Proposed external utility network

Drawing no :

Rev no :

pwc.com