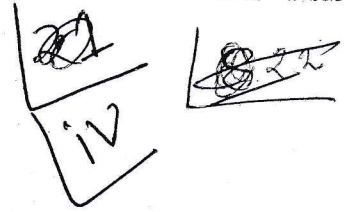


Government of the People's Republic of Bangladesh
Department of Environment
Head Office, E-16 Agargaon
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Memo No: 22.02.0000.018.72.043.22. 56

Date: 28.04.2022

Subject: Exemption from IEE and Approval of Terms of Reference (TOR) for Environmental Impact Assessment (EIA) of the Narail Economic Zone at Lohagara, Narail.

Ref: Your letter dated: 30.03.2022

With reference to your application received on 30.03.2022 for the subject mentioned above, the Department of Environment hereby gives Exemption from IEE and Approval of Terms of Reference (TOR) for Environmental Impact Assessment (EIA) of the proposed Narail Economic Zone subject to fulfilling the following terms and conditions:

- I. The project authority shall submit a comprehensive Environmental Impact Assessment (EIA) considering the overall activity of the said project in accordance with the TOR submitted to the Department of Environment (DoE) and additional suggestions provided herein.
- II. The EIA report should be prepared in accordance with following indicative outlines:

1. Executive summary

The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points:

- a. Project name and location (Village, District).
- b. Products and capacities.
- c. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- d. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- e. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- f. Capital cost of the project, estimated time of completion.
- g. Site selected for the project - Nature of land - Agricultural, barren, Government/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest, eco-sensitive zones, accessibility.
- h. Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
- i. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- j. Likely impact of the project on air, water, land, flora-fauna and nearby population
- k. Emergency preparedness plan in case of natural or in plant emergencies
- l. Issues raised during public hearing (if applicable) and response given
- m. Occupational Health Measures
- n. Post project monitoring plan

- 2. Introduction:** (Background, brief description, scope of study, methodology, limitation, EIA team, references)



4. Project Description:

- 4.1 Introduction
- 4.2 Project Objective
- 4.3 Project Option
- 4.4 Land Acquisition Plan
- 4.5 Details regarding R& R involved in the project
- 4.6 Project activities: A list of main project activities to be undertaken during site clearance, construction as well as operation.
- 4.7 Details of the trees to be fell for the project.
- 4.8 Details of the infrastructure to be developed for the project
- 4.9 Project schedule: The phase and timing for development of the project
- 4.10 Resources and utility demand: Resource required to develop the project
 - 4.10.1 Soil and construction materials
 - 4.10.2 Demand for utilities
 - 4.10.2.1 Water Supply System (Resources and distribution system)
 - 4.10.2.2 Sewage System
 - 4.10.2.3 Effluent Treatment Plant
 - 4.10.2.4 Power Supply Plan
 - 4.10.2.5 Solid waste management
 - 4.10.3 Demand for Infrastructure
 - 4.10.3.1 Road System
 - 4.10.3.2 Drainage Plan
- 4.11 Land use details of the study area
 - 4.11.1 Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river;
 - 4.11.2 Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.
- 4.12 Tentative Implementation Schedule
- 4.13 Map and survey information: Location map, cadastral map showing, land plots, (project and adjacent area), geological map showing, geological units, and other natural resources.

5. Site Details:

Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.

- 5.1 Location of the project site
- 5.2 A top sheet of the study area of radius of 10 Km and site location on 1:50,000/ 1:25000 scale on an A3/A2 sheet
- 5.3 Layout maps indicating existing units within the industrial estate as well as proposed units within industrial units
- 5.4 Land use break-up of total land of the project site
- 5.5 Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.
- 5.6 Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any

6. Environmental and Social Baseline

Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby. The project boundary area and study area for which the base line data is generated should be

6.1 Meteorology

6.1.1 Temperature

6.1.2 Humidity

6.1.3 Rainfall

6.2 Environmental Quality

6.2.1 Air Quality:

Ambient air quality data at minimum 8(eight) locations for SPM, PM₁₀, PM_{2.5}, SO₂ and CO for 12 weeks. The monitoring station should be based by taken into account the pre-dominant wind direction population zone and sensitive receptors.

6.2.2 Water Quality:

(a) Surface water: Surface water quality of nearby river (100m upstream and downstream of discharge point) at minimum 8(eight) locations

(b) Ground water: Ground water monitoring at minimum 8(eight) locations

6.2.3 Noise level

Noise level monitoring at minimum 8(eight) locations within the study area

6.2.4 Traffic volume:

Traffic study of the area, types of vehicles, frequency of vehicles or transport of materials, additional traffic due to proposed project.

6.2.5 Flora and Fauna:

Detailed description of flora and fauna (terrestrial & aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species.

6.2.6 Soil Characteristics

6.3 Natural Environment

6.3.1 Topography

6.3.2 Hydrological situation

6.3.3 Soil erosion

6.3.4 Drainage congestion and water logging

6.3.5 Flora, Fauna and Biodiversity

6.3.6 Environmental Critical Area/Protected/Reserved Area

6.4 Socio economic Status

6.4.1 Socio economic condition

6.4.2 Quality of life indication

6.4.3 Income and poverty

6.4.4 Gender and women

6.4.5 Common property resources

6.4.6 Conflict of interest and Law & Order situation

6.4.7 Historical, Cultural and archaeological sites

7. **Environmental and Social Impact Assessment**

Summary of the Environmental and Social Impact Assessment

7.1 Air Quality

7.2 Water Quality

7.3 Waste

7.4 Soil Contamination

7.5 Noise and Vibration


7.6 Offensive Odor

7.7 Bottom Sediment

7.8 Flora/ Fauna and Biodiversity



- 7.12 Involuntary Resettlement
- 7.13 Living and Livelihood
- 7.14 Vulnerable People
- 7.15 Local Conflict of Interest
- 7.16 Misdistribution of Benefit and Damage
8. **Cumulative Impact Assessment**
9. **Public Consultation and Disclosure**
 - 9.1 Introduction
 - 9.2 Public Consultation Meeting
10. **Environmental Mitigation, Management and Monitoring Plan**
 - 10.1 Environmental Mitigation and Management Plan
 - 10.2 Environmental Monitoring Plan
 - 10.3 Action plan for green belt development: Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area. The individual units should keep 33% of the allotted area as a green area.
 - 10.4 Budget Plan for Environmental Management including total capital cost and recurring cost for environmental pollution control measures
 - 10.5 Details of solid waste including hazardous waste generation and their storage, utilization and management. EMP shall include 3R Strategies for waste management and natural resource conservation.
 - 10.6 A note on treatment of waste water from different units and characteristics of waste water. Complete scheme of effluent treatment system.
 - 10.7 Implementation Schedule
 - 10.8 Institutional Arrangement
11. **Conclusion and Recommendation**
 - III. The project authority shall submit the EIA report along with an application for Environmental Clearance in prescribed form, the applicable fee in a treasury Chalan, the applicable VAT on clearance fee in a separate treasury Chalan, the No Objection Certificates (NOC) from local authority, NOC from Forest Department (in case of cutting any forested plant, private or public) and NOCs from other relevant agencies for operational activity etc. to the Jessore District Office of DoE at Jessore with a copy to the Head Office of DoE in Dhaka.
 - IV. Without approval of EIA report by the Department of Environment, the project authority shall not undertake land and infrastructural development and open L/C in favor of importable machineries.
 - V. Without obtaining Environmental Clearance, the project authority shall not start operation of the project.


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Copy Forwarded to:

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2. Deputy Director, Department of Environment, Jessore District Office, Jessore.
3. Assistant Director, Office of the Director General, Department of Environment, Dhaka.