



Bangladesh Economic Zones Authority (BEZA)  
Bangladesh Economic Zones Development Project (Phase-1)  
Prime Minister's Office

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**T E N D E R   D O C U M E N T**  
**FOR THE PROCUREMENT OF WORKS**

Site development works in Mirsarai-2A EZ (Section-3A)

Invitation for Tender No: 03/2020-21  
Tender Package No: BEZA WD-1309  
Issued on: .....

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## Section 1. Instructions to Tenderers

### A. General

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|--------------------|--|
| 1. Scope of Tender | 1.1 The Procuring Entity, as indicated in the Tender Data Sheet (TDS) issues this Tender Document for the procurement of Works and associated Services incidental thereto as specified in the TDS and as detailed in Section 6: Bill of Quantities. The name of the Tender and the number and identification of its constituent lot(s) are stated in the TDS.  |
|                    | 1.2 The successful Tenderer shall be required to execute the works and physical services as specified in the General Conditions of Contract  |
| 2. Interpretation  | 2.1 Throughout this Tender Document: <ul style="list-style-type: none"><li>(a) the term “in writing” means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail;</li><li>(b) if the context so requires, singular means plural and vice versa;</li><li>(c) “day” means calendar days unless otherwise specified as working days;</li><li>(d) “Person” means and includes an individual, body of individuals, sole proprietorship, partnership, company, association or cooperative society that wishes to participate in Procurement proceedings;</li><li>(e) “Tenderer” means a Person who submits a Tender;</li><li>(f) “Tender Document” means the Document provided by a Procuring Entity to a Tenderer as a basis for preparation of the Tender; and</li><li>(g) “Tender” depending on the context, means a Tender submitted by a Tenderer for execution of Works and Physical Services to a Procuring Entity in response to an Invitation for Tender.</li></ul> |
| 3. Source of Funds | 3.1 The Procuring Entity has been allocated public funds as indicated in the TDS and intends to apply a portion of the funds to eligible payments under the Contract for which this Tender Document is issued.   |
|                    | 3.2 For the purpose of this provision, “public funds” means any monetary resources appropriated to Procuring Entities under Government budget, or loan, grants and credits placed at the disposal of Procuring Entities through the Government by the Bank or foreign states or organisations.   |
|                    | 3.3 Payments by the Bank, if so indicated in the TDS, will be made only at the request of the Government and upon approval by the Bank in accordance with the applicable Loan / Credit / Grant Agreement, and will be subject in all respects to the terms and conditions of that Agreement.   |

4. Corrupt, Fraudulent, Collusive, Coercive or Obstructive Practices
- 4.1 The Government and the Bank require that Procuring Entities, as well as Tenderers and Contractors (including their suppliers, sub-contractors, agents, personnel, consultants, and service providers) shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under public funds.
- 4.2 For the purposes of ITT Sub Clause 4.3, the terms set forth below as follows:
- (a) “corrupt practice” means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of a Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by a Procuring Entity in connection with a Procurement proceeding or Contract execution;
  - (b) “fraudulent practice” means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;
  - (c) “collusive practice” means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Procuring Entity, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying a Procuring Entity the benefits of competitive price arising from genuine and open competition; or
  - (d) “coercive practice” means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Tenders.
  - (e) “obstructive practice” means deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.
- 4.3 Should any corrupt, fraudulent, collusive, coercive or obstructive practice of any kind is determined by the Procuring Entity or the Bank, this will be dealt with in accordance with the provisions of the Procurement Guidelines of the Bank as stated in the TDS in combination with ITT sub-clause 4.4 and the Procurement Laws.
- 4.4 If corrupt, fraudulent, collusive, coercive or obstructive practices of any kind is determined against any Tenderer or Contractor (including its suppliers, sub-contractors, agents, personnel, consultants, and service providers) in competing for, or in executing a contract under public fund, the Bank shall :
- (a) exclude the concerned Tenderer from further participation in the concerned procurement proceedings;



- (b) reject any recommendation for award that had been proposed for that concerned Tenderer;
- (c) cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Procuring Entity or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract, without the Procuring Entity having taken timely and appropriate action satisfactory to the Bank to remedy the situation; and
- (d) sanction the concerned Tenderer or individual, at any time, in accordance with prevailing Bank's sanctions procedures, including by publicly declaring such Tenderer or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract.

4.5 The Tenderer shall be aware of the provisions on corruption, fraudulence, collusion, coercion and obstruction as stated in GCC Clause 39 and 89.1(b)(vii).

4.6 In further pursuance of this policy, Tenderers, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers shall permit the Government and the Bank to inspect any accounts and records and other documents relating to the tender submission and contract performance, and to have them audited by auditors appointed by the Government and/or the Bank.

## 5. Eligible Tenderers

5.1 A Tenderer, and all partners constituting the Tenderer, may have the nationalities of any country except the nationalities specified in the TDS.

5.2 A Tenderer may be a physical or juridical individual or body of individuals, or company, association or any combination of them in the form of a Joint Venture, Consortium or Association (JVCA) invited to take part in public procurement or seeking to be so invited or submitting a Tender in response to an Invitation for Tenders.

5.3 A Government-owned enterprise in Bangladesh may also participate in the Tender if it is legally and financially autonomous, it operates under commercial law, and it is not a dependent agency of the Procuring Entity.

5.4 The Tenderer shall have the legal capacity to enter into the Contract.

5.5 A Tenderer shall not have a conflict of interest. All Tenderers found to have a conflict of interest shall be disqualified. A Tenderer may be considered to have a conflict of interest with one or more parties in this tendering process, if :

- (a) they have a controlling partner in common; or

- (b) they receive or have received any direct or indirect subsidy from any of them; or
- (c) they have the same legal representative for purposes of this Tender; or
- (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Tender of another Tenderer, or influence the decisions of the Procuring Entity regarding this tendering process; or
- (e) a Tenderer or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Tender; or
- (f) a Tenderer, or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as Engineer for the contract.

- 5.6 The Tenderer in its own name or its other names or also in the case of its Persons in different names, shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive, coercive, or obstructive practices as stated under ITT Clause 4.
- 5.7 The Tenderer with a poor performance, such as abandoning the works, not completing contracts, or financial failure, or with a consistent history of litigation or arbitration awards against it shall not be eligible to Tender.
- 5.8 The Tenderer shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.
- 5.9 The Tenderer shall have fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of the country of its origin.
- 5.10 Tenderers shall provide such evidence of their continued eligibility satisfactory to the Procuring Entity, as the Procuring Entity will reasonably request.
- 5.11 These requirements for eligibility will extend, as applicable, to each JVCA partner and Subcontractor proposed by the Tenderer.
- 5.12 A Tenderer is under declaration of ineligibility by the Bank and / or the Procuring Entity in accordance with the above ITT clause 4, or in relation to the Bank's *Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants*, shall not be eligible to be awarded a contract.

- 6. Eligible Materials, Equipment and 6.1 All materials, equipment and associated services to be supplied under the Contract are from eligible sources, unless their origin is from a country specified in the TDS.

- Associated Services
- 6.2 For the purposes of this Clause, “origin” means the place where the Materials and Equipments are mined, grown, cultivated, produced or manufactured or processed, or through manufacturing, processing, or assembly, another commercially recognized new product results that differs substantially in its basic characteristics from its components or the place from which the associated services are supplied.
- 6.3 The origin of materials and equipment and associated services is distinct from the nationality of the Tenderer.
7. Site Visit
- 7.1 The Tenderer is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works.
- 7.2 The Tenderer and any of its personnel or agents will be granted permission by the Procuring Entity to enter into its premises and lands for the purpose of such visit, but only upon the express condition that the Tenderer, its personnel, and agents will release and indemnify the Procuring Entity and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 7.3 The Tenderer should ensure that the Procuring Entity is informed of the visit in adequate time to allow it to make appropriate arrangements.
- 7.4 The costs of visiting the Site shall be at the Tenderer’s own expense.

#### B. Tender Document

8. Tender Document: General
- 8.1 The Sections comprising the Tender Document are listed below, and should be read in conjunction with any Addendum issued under ITT Clause 11.
- Section 1 Instructions to Tenderers (ITT)
  - Section 2 Tender Data Sheet (TDS)
  - Section 3 General Conditions of Contract (GCC)
  - Section 4 Particular Conditions of Contract (PCC)
  - Section 5 Tender and Contract Forms
  - Section 6 Bill of Quantities (BOQ)
  - Section 7 General Specifications
  - Section 8 Particular Specifications
  - Section 9 Drawings
  - Section 10 Environmental Management Plan
- 8.2 The Procuring Entity is not responsible for the completeness of the Tender Document and their addenda, if these were not purchased directly from the Procuring Entity, or through its agent(s) as stated in the TDS.
- 8.3 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the Tender Document as well as in addendum to Tender, if any.

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|-------------------------------------|----|--|
| 9. Clarification of Tender Document | of | <p>9.1 A prospective Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address and within time as indicated in the TDS.</p> <p>9.2 A Procuring Entity is not obliged to answer any clarification request received after that date as stated under ITT Sub Clause 9.1.</p> <p>9.3 The Procuring Entity shall respond in writing within five (5) working days of receipt of any such request for clarification received under ITT Sub Clause 9.1.</p> <p>9.4 The Procuring Entity shall forward copies of its response to all those who have purchased the Tender Document, including a description of the enquiry but without identifying its source.</p> <p>9.5 Should the Procuring Entity deem it necessary to revise the Tender Document as a result of a clarification, it will do so following the procedure under ITT Clause 11 and ITT Sub Clause 42.2.</p>   |
| 10.Pre-Tender Meeting               |    | <p>10.1 To clarify issues and to answer questions on any matter arising in the Tender Document, the Procuring Entity may, if stated in the TDS, hold a pre-Tender Meeting at the place, date and time as specified in the TDS. All potential Tenderers are encouraged and invited to attend the meeting, if it is held.</p> <p>10.2 The Tenderer is requested to submit any questions in writing so as to reach the Procuring Entity no later than one day prior to the date of the meeting.</p> <p>10.3 Minutes of the pre-Tender meeting, including the text of the questions raised and the responses given, together with any responses prepared after the meeting, will be transmitted within five (5) working days after holding the meeting to all those who purchased the Tender document and to even those who did not attend the meeting. Any revision to the Tender document listed in ITT Sub-Clause 8.1 that may become necessary as a result of the pre-Tender meeting will be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT Sub Clause 11 and not through the minutes of the Pre-Tender meeting.</p> <p>10.4 Non-attendance at the Pre-Tender meeting will not be a cause for disqualification of a Tenderer.</p> |
| 11. Addendum to Tender Document     | to | <p>11.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity, on its own initiative or in response to an inquiry in writing from a Tenderer, having purchased the Tender Document, or as a result of a Pre-Tender meeting may revise the Tender Document by issuing an Addendum.</p> <p>11.2 The Addendum issued under ITT Sub Clause 11.1 shall become an integral part of the Tender Document and shall have a date and an issue number and must be circulated by fax, mail or e-mail, to Tenderers who have purchased the Tender Documents, within five ( 5) working days.</p> <p>11.3 The Tenderers will acknowledge receipt of an Addendum within three (3) working days.</p> <p>11.4 Procuring Entities shall also ensure posting of the relevant addenda with the reference number and date on their websites including notice boards,</p>   |

where the Procuring Entities had originally posted the IFTs.

- 11.5 To give a prospective Tenderer reasonable time in which to take an addendum into account in preparing its Tender, the Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT Sub Clause 42.2.
- 11.6 If an addendum is issued when time remaining is less than one-third of the time allowed for the preparation of Tenders, a Procuring Entity at its discretion shall extend the deadline by an appropriate number of days for the submission of Tenders, depending upon the nature of the Procurement requirement and the addendum. In any case, the minimum time for such extension shall not be less than three (3) working days.

### C. Qualification Criteria

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|-------------------------|--|
| 12. General Criteria    | 12.1 The Tenderer shall possess the necessary professional and technical qualifications and competence, financial resources, equipment and other physical facilities, managerial capability, specific experience, reputation, and the personnel, to perform the contract.  |
|                         | 12.2 To qualify for multiple number of contracts/lots in a package made up of this and other individual contracts/lots for which tenders are invited in the Invitation for Tenders, the Tenderer shall demonstrate having resources and experience sufficient to meet the aggregate of the qualifying criteria for the individual contracts.   |
| 13. Litigation History  | 13.1 Litigation history shall comply with the requirement as specified in ITT 15.1(c).   |
| 14. Experience Criteria | 14.1 The Tenderer shall have the following minimum level of construction experience to qualify for the performance of the Works under the Contract: <ul style="list-style-type: none"><li>(a) a minimum number of years of general experience in the construction of works as Prime Contractor or Subcontractor or Management Contractor as specified in the TDS; and</li><li>(b) Specific experience as a Prime Contractor or Subcontractor or Management Contractor in construction works of a nature, complexity and methods/construction technology similar to the proposed Works in at least a number of contract(s) and of a minimum value over the period, as specified in the TDS.</li></ul> |
| 15. Financial Criteria  | 15.1 The Tenderer shall have the following minimum level of financial capacity to qualify for the performance of the Works under the Contract. <ul style="list-style-type: none"><li>(a) the average annual construction turnover as specified in the TDS during the period specified in the TDS;</li><li>(b) availability of minimum liquid assets or working capital or credit facilities, as specified in the TDS; and</li><li>(c) satisfactory resolution of all claims, arbitrations or other litigation cases and shall not have serious negative impact on the financial capacity of the Tenderer.</li></ul>  |

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|---|---|
| 16. Personnel Capacity                              | <p>16.1 The Tenderer shall have the following minimum level of personnel capacity to qualify for the performance of the Works under the Contract:</p> <p>(a) a Construction Project Manager, Engineers, and other key staff with qualifications and experience as specified in the TDS;</p>   |
| 17. Equipment Capacity                              | <p>17.1 The Tenderer shall own suitable equipment and other physical facilities or have proven access through contractual arrangement to hire or lease such equipment or facilities for the desired period, where necessary or have assured access through lease, hire, or other such method, of the essential equipment, in full working order, as specified in the TDS.</p>   |
| 18. Joint Venture, Consortium or Association (JVCA) | <p>18.1 The Tenderer may participate in the procurement proceedings forming a Joint Venture, Consortium or Associations (JVCA) by an agreement, executed case by case on a non judicial stamp of value as stated in TDS or alternately with the intent to enter into such an agreement supported by a Letter of Intent along with the proposed agreement duly signed by all partners of the intended JVCA and authenticated by a Notary Public .</p> <p>18.2 The figures for each of the partners of a JVCA shall be added together to determine the Tenderer's compliance with the minimum qualifying criteria; however, for a JVCA to qualify, lead partner and its other partners must meet the criteria stated in the TDS. Failure to comply with these requirements will result in rejection of the JVCA Tender. Subcontractors' experience and resources will not be taken into account in determining the Tenderer's compliance with the qualifying criteria.</p> <p>18.3 Each partner of the JVCA shall be jointly and severally liable for the execution of the Contract, all liabilities and ethical and legal obligations in accordance with the Contract terms.</p> <p>18.4 The JVCA shall nominate a Representative (partner-in-charge) who shall have the authority to conduct all business for and on behalf of any and all the partners of the JVCA during the tendering process and, in the event the JVCA is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JVCA.</p> <p>18.5 Each partner of the JVCA shall complete the JVCA Partner Information (Form PW3-3) for submission with the Tender.</p> |
| 19. Subcontractor(s)                                | <p>19.1 A Tenderer may intend to subcontract an activity or part of the Works, in which case such elements and the proposed Subcontractor shall be clearly identified.</p> <p>19.2 The Procuring Entity may require Tenderers to provide more information about their subcontracting arrangements. If any Subcontractor is found ineligible or unsuitable to carry out the subcontracted tasks, the Procuring Entity may request the Tenderer to propose an acceptable substitute.</p> <p>19.3 The Procuring Entity may also select nominated Subcontractor(s) to execute certain specific components of the Works and if so, those will be specified in the TDS.</p> <p>19.4 The successful Tenderer shall under no circumstances assign the Works or any part of it to a Subcontractor.</p>   |

- 19.5 Each Subcontractor shall complete the Subcontractor Information (Form PW3-4) for submission with the Tender.

D. Tender Preparation

- |  |      |   |
|--|------|---|
| 20. Only one Tender                      | 20.1 | A Tenderer shall submit only one (1) Tender for each lot, either individually or as a JVCA. The Tenderer who submits or participates in more than one (1) Tender in one (1) lot will cause all the Tenders of that particular Tenderer to be rejected.  |
| 21. Cost of Tendering                    | 21.1 | The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.   |
| 22. Issuance and Sale of Tender Document | 22.1 | A Procuring Entity shall make Tender Documents available immediately to the potential Tenderers, requesting and willing to purchase at the corresponding price if the advertisement has been published in the newspaper.  |
|  | 22.2 | There shall not be any pre-conditions whatsoever, for sale of Tender Documents and the sale of such Document shall be permitted up to the day prior to the day of deadline for the submission of Tender.  |
| 23. Language of Tender                   | 23.1 | The Tender shall be written in the English language. Correspondences and documents relating to the Tender may be written in English or <i>Bangla</i> . Supporting documents and printed literature furnished by the Tenderer that are part of the Tender may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the English or <i>Bangla</i> language, in which case, for purposes of interpretation of the Tender, such translation shall govern.  |
|  | 23.2 | The Tenderer shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.   |
| 24. Contents of Tender                   | 24.1 | The Tender prepared by the Tenderer will comprise the following:<br>(a) the Tender Submission Letter in accordance with ITT Clause 25 (Form PW3-1);<br>(b) Tenderer Information in accordance with ITT Clauses 5, 29 and 32 (Form PW3-2);<br>(c) the priced Bill of Quantities for each lot in accordance with ITT Clauses 25, 27 and 28;<br>(d) Tender Security as stated under ITT Clauses 35, 36 and 37.<br>(e) alternatives, if permissible, as stated under ITT Clause 26;<br>(f) written confirmation authorizing the signatory of the Tender to commit the Tenderer, as stated under ITT Sub Clause 40.3;<br>(g) Valid Trade license ;<br>(h) documentary evidence of Tax Identification Number (TIN) and Value Added Tax (VAT) as a proof of taxation obligations as stated under ITT Sub Clause 5.9;<br>(i) documentary evidence as stated under ITT Clause 29 establishing the Tenderer's qualifications to perform the Contract if its tender is accepted;<br>(j) Technical Proposal describing work plan & method, personnel, equipment and schedules as stated under ITT Clause 31;<br>(k) documentary evidence as stated under ITT Clause 32 establishing the |

minimum qualifications of the Tenderer required to be met for due performance of the Works and physical services under the Contract; and

(l) any other document as specified in the TDS.

24.2 In addition to the requirements stated under ITT Sub Clause 24.1, Tenders submitted by a JVCA or proposing a Subcontractor shall include:

- (a) a Joint Venture Agreement entered into by all partners, executed on a non-judicial stamp of value or equivalent as stated under ITT Sub Clause 18.1; or
- (b) a Letter of Intent along with the proposed agreement duly signed by all partners of the intended JVCA with the declaration that it will execute the Joint Venture agreement in the event the Tenderer is successful;
- (c) the JVCA Partner Information (Form PW3-3);
- (d) the Subcontractor Information (Form PW3-4).

25. Tender Submission Letter and Bill of Quantities

25.1 The Tenderer shall submit the Tender Submission Letter (Form PW3-1), which shall be completed without any alterations to its format, filling in all blank spaces with the information requested, failing which the Tender may be rejected as being incomplete.

25.2 The Tenderer shall submit the priced Bill of Quantities using the form(s) furnished in Section 6: Bill of Quantities.

25.3 If in preparing its Tender, the Tenderer has made errors in the unit rate or price or the total price, and wishes to correct such errors prior to submission of its Tender, it may do so, but shall ensure that each correction is initialled by the authorised person of the Tenderer.

26. Alternatives

26.1 Unless otherwise stated in the TDS, alternatives shall not be considered.

26.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the TDS, as will the method of evaluating different times for completion.

26.3 Except as provided under ITT Sub Clause 26.4, Tenderers wishing to offer technical alternatives to the requirements of the Tender Documents must first price the Procuring Entity's design as described in the Tender Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Procuring Entity, including drawings, designs, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details.

26.4 When specified in the TDS, Tenderers are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will be identified in the TDS.

26.5 Only the technical alternatives, if any, of the lowest evaluated Tenderer conforming to the basic technical requirements will be considered by the Procuring Entity.

27. Tender Prices, Discounts and Price Adjustment

27.1 The prices and discounts quoted by the Tenderer in the Tender Submission Letter (Form PW3-1) and in the Bill of Quantities (BOQ) shall conform to the requirements specified below.

27.2 The Tenderer shall fill in unit rates or prices for all items of the Works both in figures and in words as described in the BOQ.



- 27.3 The items quantified in the BOQ for which no unit rates or prices have been quoted by the Tenderer will not be paid for, by the Procuring Entity when executed and shall be deemed covered by the amounts of other rates or prices in the BOQ and, it shall not be a reason to change the Tender price.
- 27.4 The Procuring Entity may, if necessary, require the Tenderer to submit the detail breakdown of the unit rates or prices quoted by the Tenderer for the facilitation of the Tender proceedings.
- 27.5 The price to be quoted in the Tender Submission Letter, as stated under ITT Sub Clause 25.1, shall be the total price of the Tender, excluding any discounts offered.
- 27.6 The Tenderer shall quote any unconditional discounts and the methodology for application of discount in the Tender Submission Letter as stated under ITT Sub Clause 25.1.
- 27.7 Tenderers wishing to offer any price reduction for the award of more than one lot shall specify in their Tender the price reductions applicable to each lot, or alternatively, to any combination of lots within the package. Price reductions or discounts will be submitted as stated under ITT Sub Clause 27.1, provided the Tenders for all lots are submitted and opened together.
- 27.8 All applicable taxes, custom duties, VAT and other levies payable by the Contractor under the Contract, or for any other causes, as of the date twenty-eight (28) days prior to the deadline for submission of Tenders, shall be included in the unit rates and prices and the total Tender price submitted by the Tenderer.
- 27.9 Unless otherwise provided in the TDS and the Contract, the price of a Contract shall be fixed in which case the unit rates or prices may not be modified in response to changes in economic or commercial conditions.
- 27.10 If so indicated under ITT Sub Clause 27.9, Tenders are being invited with a provision for price adjustments. The unit rates or prices quoted by the Tenderer are subject to adjustment during the performance of the Contract in accordance with the provisions of GCC Clause 71 and, in such case the Procuring Entity shall provide the indexes and weightings or coefficients in Appendix to the Tender for the price adjustment formulae specified in the PCC.
- 27.11 The Procuring Entity may require the Tenderer to justify its proposed indexes, if any of those as stated under ITT Sub Clause 27.10, are instructed to be quoted by the Tenderer in Appendix to the Tender.
28. Tender Currency 28.1 The Tenderer shall quote all prices in the Tender Submission Letter and in the Bill of Quantities in Bangladesh Taka currency unless otherwise specified in the TDS.
29. Documents Establishing Eligibility of the Tenderer 29.1 A Tenderer, if applying as a sole Tenderer, shall submit documentary evidence to establish its eligibility as stated under ITT Clause 5 and, in particular, it shall:
- (a) complete the eligibility declarations in the Tender Submission Letter (Form PW3-1);
  - (b) complete the Tenderer Information (Form PW3-2);
  - (c) provide completed Subcontractor Information (Form PW3-4), if it intends to engage any Subcontractor(s).
- 29.2 A Tenderer, if applying as a partner of an existing or intended JVCA shall submit documentary evidence to establish its eligibility as stated under

ITT Clause 5 and, in particular, in addition to as specified in ITT Sub Clause 29.1, it shall:

- (a) provide for each JVCA partner, completed JVCA Partner Information (Form PW3-3);
- (b) provide the JVCA agreement or Letter of Intent along with the proposed agreement of the intended JVCA as stated in ITT Sub Clause 18.1.

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| 30. | Documents Establishing the Eligibility and Conformity of Materials, Equipment and Services | 30.1 | The Tenderer shall submit documentary evidence to establish the origin of all Materials, Equipment and services to be supplied under the Contract as stated under ITT Clause 6.  |
|     |  | 30.2 | To establish the conformity of the Materials, Equipment and services to be supplied under the Contract, the Tenderer shall furnish, as part of its Tender, the documentary evidence (which may be in the form of literature, specifications and brochures, drawings or data) that these conform to the technical specifications and standards specified in Section 7, General Specifications and Section 8, Particular Specifications.   |
| 31. | Documents Establishing Technical Proposal  | 31.1 | The Tenderer shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in TDS, in sufficient detail to demonstrate the adequacy of the Tenderer's proposal to meet the work requirements and the completion time.   |
| 32. | Documents Establishing the Tenderer's Qualification  | 32.1 | <p>Tenderers shall complete and submit the Tenderer Information (Form PW3-2) and shall include documentary evidence, as applicable to satisfy the following:</p> <ul style="list-style-type: none"> <li>(a) general experience of construction works as stated under ITT Sub Clause 14.1(a) ;</li> <li>(b) specific experience in construction works of similar nature and size as stated under ITT Sub Clauses 14.1(b)</li> <li>(c) average annual construction turnover for a period as stated under ITT Sub Clause 15.1(a);</li> <li>(d) adequacy of working capital for this Contract i.e. access to line(s) of credit and availability of other financial resources as stated under ITT Sub Clause 15.1(b);</li> <li>(e) technical and administrative personnel along with their qualification and experience proposed for the Contract as stated under ITT Clause 16;</li> <li>(f) major items of construction equipment proposed to carry out the Contract as stated under ITT Clause 17;</li> <li>(g) authority to seek references from the Tenderer's bankers or any other sources.</li> <li>(h) information regarding any litigation, current or during the last five years, in which the Tenderer is involved, the parties concerned, and disputed amount;</li> <li>(i) reports on the financial standing of the Tenderer, such as profit and loss statements and auditor's reports for the past five years.</li> </ul> |
|     |  | 32.2 | A Procuring Entity shall disqualify a Tenderer who submits a document containing false information for purposes of qualification or mislead or makes false representations in proof of qualification requirements. A   |

Procuring Entity may declare such a Tenderer ineligible, either indefinitely or for a stated period of time, from participation in future procurement proceedings

- 32.3 A Procuring Entity may disqualify a Tenderer if it finds at any time that the information submitted concerning the qualifications of the Tenderer was materially inaccurate or materially incomplete. Also, a Procuring Entity may disqualify a Tenderer who has record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays, litigation history or financial failures.

33. Validity Period of Tender 33.1 Tenders shall remain valid for the period specified in the TDS after the date of Tender submission deadline prescribed by the Procuring Entity.. A Tender valid for a period shorter than that specified will be rejected by the Procuring Entity as non- responsive.

34. Extension of Tender Validity and Tender Security 34.1 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may solicit the Tenderers' consent to an extension of the period of validity of their Tenders.

- 34.2 The request and the responses shall be made in writing. Validity of the tender security provided under ITT Clause 35 shall also be suitably extended for twenty eight (28) days beyond the new date for the expiry of the Tender Validity. If a Tenderer does not respond or refuses the request it shall not forfeit its tender security, but its tender shall no longer be considered in the evaluation proceedings. A Tenderer agreeing to the request will not be required or permitted to modify its tender.

35. Tender Security 35.1 The Tenderer shall furnish as part of its Tender, in favour of the Procuring Entity or as otherwise directed on account of the Tenderer, a Tender Security in original form and in the amount, as specified in the TDS.

- 35.2 If the Tender is a Joint Venture, the Tenderer shall furnish as part of its Tender, in favour of the Procuring Entity or as otherwise directed on account of the title of the existing or intended JVCA or any of the partners of that JVCA or in the names of all future partners as named in the Letter of Intent of the JVCA, a Tender Security in original form and in the amount as stated under ITT Sub Clause 35.2.

36. Form of Tender Security 36.1 The Tender Security shall:
- (a) at the Tenderer's option, be either;
    - i. in the form of a bank draft or pay order, or
    - ii. in the form of an irrevocable bank guarantee issued by a scheduled Bank of Bangladesh, in the format (Form PW3-6) furnished in Section 5: Tender and Contract Forms;
  - (b) be payable promptly upon written demand by the Procuring Entity in the case of the conditions listed in ITT Sub Clause 39 being invoked; and
  - (c) remain valid for at least twenty eight (28) days beyond the expiry date of the Tender Validity in order to make a claim in due course against a Tenderer in the circumstances as stated under ITT Sub Clause 39.1.

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| 37. Authenticity of Tender Security | 37.1 | The authenticity of the Tender Security submitted by a Tenderer may be examined and verified by the Procuring Entity at its discretion in writing from the Bank issuing the security.   |
|                                     | 37.2 | If a Tender Security is found to be not authentic, the Procuring Entity may proceed to take measures against that Tenderer as stated under ITT Sub Clause 4.4.  |
|                                     | 37.3 | A Tender not accompanied by a valid Tender Security will be rejected by the Procuring Entity.   |
| 38. Return of Tender Security       | 38.1 | No Tender Securities shall be returned by the Tender Opening Committee (TOC) during and after the opening of the Tenders.   |
|                                     | 38.2 | No Tender Security shall be returned to the Tenderers before contract signing, except to those who are found unsuccessful.  |
|                                     | 38.3 | Unsuccessful Tenderer's tender security will be discharged or returned as soon as possible but within 28 days of the end of the tender validity period specified in ITT Sub-Clauses 33.1.   |
|                                     | 38.4 | The tender security of the Successful Tenderer will be discharged upon the Tenderer's furnishing of the performance security pursuant to ITT Clause 33 and signing the Agreement.   |
| 39. Forfeiture of Tender Security   | 39.1 | <p>The Tender Security may be forfeited, if a Tenderer:</p> <ul style="list-style-type: none"> <li>(a) withdraws its Tender after opening of Tenders but within the validity of the Tender as stated under ITT Clause 33 and 34; or</li> <li>(b) refuses to accept a Notification of Award as stated under ITT Sub Clause 63.1; or</li> <li>(c) fails to furnish Performance Security as stated under ITT Sub Clause 64.1 and 64.2; or</li> <li>(d) refuses to sign the Contract as stated under ITT Sub Clause 69.2 ; or</li> <li>(e) does not accept the correction of the Tender price following the correction of the arithmetic errors as stated under ITT Clause 55.</li> </ul> |
|                                     | 40.1 | The Tenderer shall prepare one (1) original of the documents comprising the Tender as described in ITT Clause 24 and clearly mark it "ORIGINAL." In addition, the Tenderer shall prepare the number of copies of the Tender, as specified in the TDS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the ORIGINAL shall prevail.   |
|                                     | 40.2 | Alternatives, if permitted in accordance with ITT Clause 26, shall be clearly marked "Alternative".   |
|                                     | 40.3 | The original and each copy of the Tender shall be typed or written in indelible ink and shall be signed by the Person duly authorized to sign on behalf of the Tenderer. This authorization shall be attached to the Tender Submission Letter (Form PW3-1). The name and position held by each Person(s) signing the authorization must be typed or printed below the signature. All pages of the original and of each copy of the Tender, except   |

for un-amended printed literature, shall be numbered sequentially and signed or initialled by the person signing the Tender.

- 40.4 Any interlineations, erasures, or overwriting will be valid only if they are signed or initialled by the Person(s) signing the Tender.

#### E. Tender Submission

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| 41. Sealing, Marking and Submission of Tender | 41.1 | The Tenderer shall enclose the original in one (1) envelope and all the copies of the Tender, including the alternatives, if permitted under ITT Clause 26, in another envelope, duly marking the envelopes as "ORIGINAL" "ALTERNATIVE" (if permitted) and "COPY." These sealed envelopes will then be enclosed and sealed in one (1) single outer envelope.   |
|   | 41.2 | The inner and outer envelopes shall: <ul style="list-style-type: none"> <li>(a) be addressed to the Procuring Entity at the address as stated under ITT Sub Clause 42.1;</li> <li>(b) bear the name of the Tender and the Tender Number as stated under ITT Sub Clause 1.1;</li> <li>(c) bear the name and address of the Tenderer;</li> <li>(d) bear a statement "DO NOT OPEN BEFORE -----" the time and date for Tender opening as stated under ITT Sub Clause 48.2;</li> <li>(e) bear any additional identification marks as specified in the TDS.</li> </ul> |
|   | 41.3 | The Tenderer is solely and entirely responsible for pre-disclosure of Tender information if the envelope(s) are not properly sealed and marked.  |
|   | 41.4 | Tenders shall be delivered by hand or by mail, including courier services at the address(s) as stated under ITT Sub Clause 42.1.   |
|   | 41.5 | The Procuring Entity will, on request, provide the Tenderer with acknowledgement of receipt showing the date and time when it's Tender was received.   |
| 42. Deadline Submission for of Tender         | 42.1 | Tenders shall be delivered to the Procuring Entity at the address specified in the TDS and no later than the date and time specified in the TDS.   |
|   | 42.2 | The Procuring Entity may, at its discretion,, extend the deadline for submission of Tender as stated under ITT Sub Clause 42.1, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline will thereafter be subject to the new deadline as extended.  |
|   | 42.3 | The submission of Tenders will not be allowed in more than one place.  |
| 43. Late Tender                               | 43.1 | Any Tender received by the Procuring Entity after the deadline for submission of Tenders as stated under ITT Sub Clause 42.1 shall be declared LATE, rejected, and returned unopened to the Tenderer.  |
| 44. Notice for Modification, Substitution or  | 44.1 | A Tenderer may modify, substitute or withdraw its Tender after it has been submitted by sending a written notice duly signed by the authorized signatory and properly sealed, and shall include a copy of the  |

Withdrawal of  
Tender

authorization ; provided that such written notice including the affidavit is received by the Procuring Entity prior to the deadline for submission of Tenders as stated under ITT Clause 42.

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| 45. Tender Modification | 45.1 | The Tenderer shall not be allowed to retrieve its original Tender, but shall be allowed to submit corresponding modification to its original Tender marked as "MODIFICATION". |
| 46. Tender Substitution | 46.1 | The Tenderer shall not be allowed to retrieve its original Tender, but shall be allowed to submit another Tender marked as "SUBSTITUTION".                                    |
| 47. Tender Withdrawal   | 47.1 | The Tenderer shall be allowed to withdraw its Tender by a Letter of Withdrawal marked as "WITHDRAWAL".  |

F. Tender Opening and Evaluation

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| 48. Tender Opening | 48.1 | Tenders shall be opened in one location, immediately, but no later than one hour, after the deadline for submission of Tenders at the place as specified in the TDS.   |
|                    | 48.2 | Persons not associated with the Tender may not be allowed to attend the public opening of Tenders.   |
|                    | 48.3 | The Tenderers' representatives shall be duly authorised by the Tenderer. Tenderers or their authorised representatives will be allowed to attend and witness the opening of Tenders, and will sign a register evidencing their attendance.   |
|                    | 48.4 | The authenticity of withdrawal or substitution of, or modifications to original Tender, if any made by a Tenderer in specified manner, shall be examined and verified by the Tender Opening Committee (TOC) based on documents submitted as stated under ITT Sub Clause 44.1.  |
|                    | 48.5 | Tenders will be opened in the following manner:<br><br>(a) First, envelopes marked "Withdrawal" shall be opened and read out and the envelope with the corresponding tender shall not be opened, but returned to the Tenderer. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at tender opening. Next, envelopes marked "Substitution" shall be opened and read out and exchanged with the corresponding tender being substituted, and the substituted tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at tender opening. Envelopes marked "Modification" shall be opened and read out with the corresponding tender. No tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at tender opening. Only envelopes that are opened and read out at tender opening shall be considered further.<br><br>(b) secondly, the remaining Tenders will be sorted out and those marked "Substitution" or "Modification" will be linked with their |

corresponding “Original”(O) Tender;

- (c) thirdly, if so specified in this Tender Document, the envelopes marked “ Alternative ”(A) shall be opened and read aloud with the corresponding Tender and recorded.

48.6 Ensuring that only the correct (M), (S), (A), (O) envelopes are opened, details of each Tender will be dealt with as follows:

- (a) the Chairperson of the Tender Opening Committee will read aloud each Tender and record in the Tender Opening Sheet (TOS) :
  - (i) the name and address of the Tenderer;
  - (ii) state if it is a withdrawn, modified, substituted or original Tender;
  - (iii) the Tender price;
  - (iv) any discounts;
  - (v) any alternatives;
  - (vi) the presence or absence of any requisite Tender Security; and
  - (vii) such other details as the Procuring Entity, at its discretion, may consider appropriate.
- (b) only discounts and alternatives read aloud at the Tender opening will be considered in evaluation.
- (c) all pages of the original version of the Tender, except for un-amended printed literature, will be initialled by members of the Tender Opening Committee.

48.7 Upon completion of Tender opening, all members of the Tender Opening Committee and the Tenderers or Tenderer’s duly authorised representatives attending the Tender opening shall sign by name, address, designation, the Tender Opening Sheet, copies of which shall be issued to the Head of the Procuring Entity or an officer authorised by him or her and also to the members of the Tender Opening Committee and any authorised Consultants and, to the Tenderers immediately.

48.9 The omission of a Tenderer’s signature on the record shall not invalidate the contents and effect of the record under ITT Sub Clause 48.7.

48.10 No Tender will be rejected at the Tender opening stage except the LATE Tenders as stated in the ITT Clause 43.

#### 49. Evaluation of Tenders

- 49.1 Tenders shall be examined and evaluated only on the basis of the criteria specified in the Tender Document.
- 49.2 The Procuring Entity’s Tender Evaluation Committee (TEC) shall examine, evaluate and compare Tenders that are substantially responsive to the requirements of Tender Documents in order to identify the successful Tenderer.

#### 50. Evaluation Process

- 50.1 The TEC will consider a Tender responsive that conforms in all respects to the requirements of the Tender Document without material deviation, reservation, or omission. The evaluation process should

begin immediately after tender opening, following four broad steps:

- (a) Preliminary examination
- (b) Technical examination and responsiveness
- (c) Financial evaluation and price comparison
- (d) Post-qualification of the Tender.

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| 51. | Preliminary Examination                           | 51.1 | The Procuring Entity shall examine the tenders to confirm that all documentation requested in ITT Clause 24 has been provided, to determine the completeness of each document submitted .  |
|     |   | 51.2 | The Procuring Entity shall confirm that the following documents and information have been provided in the tender. If any of these documents or information is missing, the offer shall be rejected. <ul style="list-style-type: none"><li>(a) Tender Submission Letter;</li><li>(b) Priced Bill of Quantities;</li><li>(c) Written confirmation of authorization to commit the Tenderer; and</li><li>(d) Tender Security.</li></ul>  |
| 52. | Technical Responsiveness and Technical Evaluation | 52.1 | The Procuring Entity's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.  |
|     |   | 52.2 | A substantially responsive tender is one that conforms in all respects to the requirements of the Tender Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that: <ul style="list-style-type: none"><li>(a) affects in any substantial way the scope, quality, or performance of the Works specified in the Contract; or</li><li>(b) limits in any substantial way, or is inconsistent with the Tender Documents, the Procuring Entity's rights or the Tenderer's obligations under the Contract; or</li><li>(c) if rectified would unfairly affect the competitive position of other Tenderers presenting substantially responsive tenders.</li></ul> |
|     |   | 52.3 | If a tender is not substantially responsive to the Tender Document, it shall be rejected by the Procuring Entity and shall not subsequently be made responsive by the Tenderer by correction of the material deviation, reservation, or omission.  |
|     |   | 52.4 | There shall be no requirement as to the minimum number of responsive tenders.  |
|     |   | 52.5 | There shall be no automatic exclusion of tenders which are above or below the official estimate.   |
|     |   | 52.6 | The Procuring Entity shall now examine the tender to confirm that all terms and conditions specified in the GCC and the PCC have been accepted by the Tenderer without any material deviation or reservation.  |
|     |   | 52.7 | The Procuring Entity shall evaluate the technical aspects of the tender submitted in accordance with ITT Clauses 30,31 and 32, to confirm that all requirements specified in Section 7: General Specifications and Section 8: Particular Specifications of the Tender Document have been   |



met without any material deviation or reservation.

52.8 If, after the examination of the terms and conditions and the technical aspects of the tender, the Procuring Entity determines that the tender is not substantially responsive in accordance with ITT Sub-Clauses 52.6 and 52.7, it shall reject the tender.

52.9 Provided that a tender is substantially responsive, the Procuring Entity may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the tender related to documentation requirements. Such omission shall not be related to any aspect of the rates of the tender reflected in the Priced Bill of Quantities. Failure of the Tenderer to comply with the request may result in the rejection of its tender.

52.10 The TEC may regard a Tender as responsive even if it contains;

- (a) minor or insignificant deviations which do not meaningfully alter or depart from the technical specifications, characteristics and commercial terms and, conditions or other mandatory requirements set out in the Tender Document; or
- (b) errors or oversights, that if corrected, would not alter the key aspects of the Tender.

53. Clarification on Tender 53.1 The TEC may ask Tenderers for clarification of their Tenders, including information which are historical in nature or breakdowns of unit rates or prices, in order to facilitate the examination and evaluation of Tenders. The request for clarification by the TEC and the response from the Tenderer shall be in writing, and Tender clarifications which may lead to a change in the substance of the Tender or in any of the key elements of the Tender pursuant to ITT Sub Clause 52.2, will neither be sought nor be permitted.

53.2 Changes in the Tender price shall also not be sought or permitted, except to confirm the correction of arithmetical errors discovered by the TEC in the evaluation of the Tenders, as stated under ITT Sub Clause 55.1.

54. Restrictions on Disclosure of Information 54.1 After the opening of tenders, information relating to the examination, clarification, and evaluation of tenders and recommendations for award shall not be disclosed to tenderers or other persons not officially concerned with the evaluation process until the award of the contract is announced.

54.2 Any effort by a Tenderer to influence a Procuring Entity in its decision concerning the evaluation of Tenders, Contract awards may result in the rejection of its Tender as well as further action in accordance with Section 64 (5) of the Public Procurement Act, 2006.

55. Correction of Arithmetical Errors 55.1 Provided that the Tender is substantially responsive, the TEC shall correct arithmetical errors on the following basis:

- (a) if there is a discrepancy between the unit price and the line item total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the line item total price

shall be corrected, unless in the opinion of the TEC there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted will govern and the unit price will be corrected; and

- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the unit price in words will prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

55.2 If the Tenderer determined to be the lowest evaluated tenderer does not accept the correction of errors, its tender shall be disqualified and its tender security may be forfeited.

## 56. Financial Evaluation

56.1 The TEC will evaluate each Tender that has been determined, up to this stage of the evaluation, to be substantially responsive to the requirements set out in the Tender Document.

56.2 To evaluate a Tender, the TEC will consider the following:

- (a) the Tender price, excluding Provisional Sums and the provision, if any, for contingencies in the priced Bill of Quantities, but including Daywork items, where priced competitively;
- (b) adjustments for correction of arithmetical errors pursuant to ITT Sub Clause 55.1;
- (c) adjustments in order to take into consideration the unconditional discounts or methodology for application of the discount offered pursuant to ITT Sub Clause 27.7;
- (d) adjustments for any other acceptable variations or deviations pursuant to ITT Sub Clause 52.10.

56.3 Variations, deviations, alternatives and other factors which are in excess of the requirements of the Tender Document or otherwise result in unsolicited benefits for the Procuring Entity will not be taken into account in Tender evaluation.

56.4 The estimated effect of any price adjustment provisions under GCC Clause 71, applied over the period of execution of the Contract, will not be taken into account in Tender evaluation.

56.5 If so indicated in the ITT Sub Clause 1.1 the Procuring Entity may award one or multiple lots to one Tenderer following the methodology specified in ITT Sub Clause 56.6.

56.6 To determine the lowest-evaluated lot or combination of lots, the TEC will take into account:

- (a) the experience and resources sufficient to meet the aggregate of the qualifying criteria for the individual lot;
- (b) the lowest-evaluated Tender for each lot calculated in accordance with all the requirements of Evaluation Criteria;

- (c) the price reduction on account of discount per lot or combination of lots and the methodology for application of the discount as offered by the Tenderer in its Tender; and
- (d) the Contract-award sequence that provides the optimum economic combination on the basis of least overall cost of the total Contract package taking into account any limitations due to constraints in Works or execution capacity determined in accordance with the post-qualification criteria stated under ITT Clause 59.

56.7 If the tender, which results in the lowest evaluated Tender Price, is Substantially below the updated official estimate or seriously unbalanced as a result of front loading in the opinion of the Procuring Entity, the Procuring Entity may require the Tenderer to produce details price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Procuring Entity may require that the amount of the performance security set forth in ITT Clause 64 be increased at the expenses of the Tenderer to a level sufficient to protect the Procuring Entity against financial loss in the event of default of the successful Tenderer under the Contract.

#### 57. Price Comparison

57.1 The TEC will compare all substantially responsive Tenders to determine the lowest-evaluated Tender, in accordance with ITT Clause 56.

57.2 In the extremely unlikely event that there is a tie for the lowest evaluated price, the Tenderer with the superior past performance with the Procuring Entity shall be selected, whereby factors such as delivery period, quality of Works delivered, complaints history and performance indicators could be taken into consideration.

57.3 In the event that there is a tie for the lowest price and none of the Tenderers has the record of past performance with the Procuring Entity as stated under ITT Sub Clause 57.2, then the Tenderer shall be selected, subject to firm confirmation through the Post-qualification process, after consideration as to whether the Tenderer has demonstrated in its Tender superior past performance with the other Procuring Entities or a more efficient work programme and work methodology.

57.4 The successful Tenderer as stated under ITT Sub Clauses 57.1, 57.2 and 57.3 shall not be selected through lottery under any circumstances.

#### 58. Negotiations

58.1 No negotiations shall be held during the Tender evaluation or award with the lowest or any other Tenderer.

58.2 The Procuring Entity through the TEC may, however, negotiate with the lowest evaluated Tenderer with the objective to reduce the Contract price by reducing the scope of works or a reallocation of risks and responsibilities, only when it is found that the lowest evaluated Tender is significantly higher than the official estimate; the reasons for such higher price being duly analyzed.

- 58.3 If the Procuring Entity decides to negotiate for reducing the scope of the requirements under ITT Sub Clause 58.2, it will be required to guarantee that the lowest Tenderer remains the lowest Tenderer even after the scope of work has been revised and shall further be ensured that the objective of the Procurement will not be seriously affected through this reduction.
- 58.4 In the event that the Procuring Entity decides because of a high Tender price to reduce the scope of the requirements to meet the available budget, the Tenderer is not obliged to accept the award and shall not be penalised in any way for rejecting the proposed award.
59. Post-qualification
- 59.1 The Procuring Entity shall determine to its satisfaction whether the Tenderer that is selected as having submitted the lowest evaluated and substantially responsive tender is qualified to perform the Contract satisfactorily.
- 59.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT Clause 32, clarifications in accordance with ITT Clause 53 and the qualification criteria indicated in ITT Clauses 12 to 17. Factors not included therein shall not be used in the evaluation of the Tenderer's qualification.
- 59.3 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in rejection of the Tenderer's Tender, in which event the Procuring Entity shall proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily
- 59.4 The TEC may verify information contained in the Tender by visiting the premises of the Tenderer as a part of the post qualification process, if practical and appropriate.
60. Procuring Entity's Right to Accept any or to Reject Any or All Tenders
- 60.1 The Procuring Entity reserves the right to accept any tender, to annul the tender proceedings, or to reject any or all tenders at any time prior to contract award, without thereby incurring any liability to Tenderers, or any obligations to inform the Tenderers of the grounds for the Procuring Entity's action.
61. Informing Reasons for Rejection
- 61.1 Notice of the rejection will be given promptly within seven (7) days of decision taken by the Procuring Entity to all Tenderers and, the Procuring Entity will, upon receipt of a written request, communicate to any Tenderer the reason(s) for its rejection but is not required to justify those reason(s).

#### G. Contract Award

62. Award Criteria
- 62.1 The Procuring Entity shall award the Contract to the Tenderer whose offer is responsive to all the requirements of the Tender Document and that has been determined to be the lowest evaluated Tender, provided further that the Tenderer is determined to be Post-qualified in accordance with ITT Clause 59.

- 62.2 A Tenderer will not be required, as a condition for award, to undertake responsibilities not stipulated in the Tender documents, to change its price, or otherwise to modify its Tender.
63. Notification of Award
- 63.1 Prior to the expiry of the Tender Validity period and within seven (7) working days of receipt of the approval of the award by the Approving Authority, the Procuring Entity shall issue the Notification of Award (NOA) to the successful Tenderer.
- 63.2 The Notification of Award, attaching the contract as per the sample (Form PW3-7) to be signed, shall state :
- (a) the acceptance of the Tender by the Procuring Entity;
  - (b) the price at which the contract is awarded;
  - (c) the amount of the Performance Security and its format;
  - (d) the date and time within which the Performance Security shall be submitted; and
  - (e) the date and time within which the Contract shall be signed.
- 63.3 Until a formal contract is signed, the Notification of Award will constitute a Contract, which shall become binding upon the furnishing of a Performance Security and the signing of the Contract by both parties.
64. Performance Security
- 64.1 The Performance Security shall be provided by the successful Tenderer in the amount as specified in the TDS and denominated in the currencies in which the Contract Price is payable.
- 64.2 The Procuring Entity may increase the amount of the Performance Security above the amounts as stated under ITT Sub Clause 64.1 but not exceeding twenty five (25) percent of the Contract price, if it is found that the Tender is substantially below the updated official estimated or seriously unbalanced as a result of front loading as stated under ITT Sub Clause 56.7.
- 64.3 The proceeds of the Performance Security shall be payable to the Procuring Entity unconditionally upon first written demand as compensation for any loss resulting from the Contractor's failure to complete its obligations under the Contract.
65. Form and Time Limit for Furnishing of Performance Security
- 65.1 The Performance Security, as stated under ITT Clause 64, may be in the form of a Bank Draft, Pay Order or an irrevocable Bank Guarantee in the format (Form PW3-9), issued by any scheduled Bank of Bangladesh acceptable to the Procuring Entity.
- 65.2 Within fourteen (14) days from the date of acceptance of the Notification of Award (NOA) but not later than the date specified therein, the successful Tenderer shall furnish the Performance Security for the due performance of the Contract in the amount as stated under ITT Sub Clauses 64.1 or 64.2.
66. Validity of Performance
- 66.1 The Performance Security shall be required to be valid until a date twenty eight (28) days beyond the Intended Completion Date as

	Security		specified in Tender Document.
67.	Authenticity of Performance Security	67.1	The Procuring Entity may verify the authenticity of the Performance Security submitted by the successful Tenderer by sending a written request to the branch of the bank issuing the Pay Order, Bank Draft or irrevocable Bank Guarantee in specified format.
68.	Adjudicator	68.1	The Procuring Entity proposes the person named in the TDS to be appointed as Adjudicator under the Contract, at an hourly fee and for those reimbursable expenses specified in the TDS.
69.	Contract Signing	69.1	At the same time as the Procuring Entity issues the Notification of Award (NOA), the Procuring Entity will send the draft Contract Agreement and all documents forming the Contract to the successful Tenderer.
		69.2	Within twenty-one (21) days of receipt of the Agreement, but not later than twenty-eight (28) days of issuance of the NOA, the successful Tenderer shall sign, date, and return it to the Procuring Entity.
		69.3	Failure of the successful Tenderer to submit the Performance Security, pursuant to ITT Sub-Clause 64.1, or sign the Contract, pursuant to ITT Sub-Clause 69.2, shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the next lowest evaluated Tenderer, whose offer is substantially responsive and is determined by the Procuring Entity to be qualified to perform the Contract satisfactorily.
70.	Publication of Notification of Award of Contract	70.1	Notification of Awards for Contracts of Taka ten (10) million and above shall be notified by the Procuring Entity to the Central Procurement Technical Unit within seven (7) days of issuance of the NOA for publication in their website, and that notice shall be kept posted for not less than a month.
		70.2	Notification of Award for Contracts below Taka ten (10) million, shall be published by the Procuring Entity on its Notice Board and where applicable on the website of the Procuring Entity and that notice shall be kept posted for not less than a month.
71.	Debriefing of Tenderers	71.1	Debriefing of Tenderers by Procuring Entity shall outline the relative status and weakness only of his or her Tender requesting to be informed of the grounds for not accepting the Tender submitted by him or her, without disclosing information about any other Tenderer.
		71.2	In the case of debriefing, confidentiality of the evaluation process shall be maintained.
72.	Right to Complain	72.1	Any Tenderer has the right to complain in accordance with Section 29 of the Public Procurement Act 2006 and Part 12 of Chapter Three of the Public Procurement Rules, 2008.

## Section 2. Tender Data Sheet

<i>Instructions for completing Tender Data Sheet are provided in italics in parenthesis for the relevant ITT clauses</i>	
ITT Clause	Amendments of, and Supplements to, Clauses in the Instructions to Tenderers
A. General	
ITT 1.1	<p>The Procuring Entity is Project Director, Bangladesh Economic Zones Development Project (Phase- 1), Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205</p> <p>The Name of the Tender is: Site development works in Mirsarai-2A EZ (Section-3A)  Brief Description of the Works: Land filling by dredging etc.  Tender Ref: 03.07.0000.007.29.222.2020-2652  Lot No(s): 1</p>
ITT 3.1	The source of public funds is International Development Association (IDA)
ITT 3.3	The Bank means IDA
ITT 4.3	Guidelines: Procurement under IBRD Loans and IDA Credits< [under IBRD Loans and IDA Credits & Grants by World Bank Borrowers] January 2011, Revised July 2014 (hereinafter referred to as the Procurement Guidelines)
ITT 5.1	Tenderers from the following countries are not eligible : Israel
ITT 6.1	Materials, Equipments and associated services from the following countries are not eligible: Israel
B. Tender Document	
ITT 8.2	<p>The following are authorised agents of the Procuring Entity for the purpose of issuing the Tender Document: Accounts Officer, Executive Engineer and Project Director Bangladesh Economic Zones Development Project (Phase- 1).</p> <p><u>Agent's Name:</u>  Address: Bangladesh Economic Zones Authority (BEZA)  Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205  Telephone No.:+880 2 9632459  Fax No.:  e-mail address: bezaproject1@gmail.com</p>

ITT 9.1	For <u>clarification of Tender Document purposes</u> only, the Procuring Entity's address is: Attention: Abdullah Al Mahmud Faruk Address: Project Director, Bangladesh Economic Zones Development Project (Phase- 1) Telephone: +880 2 9632459 Fax No.: e-mail address: bezaproject1@gmail.com								
ITT 10.1	A Pre- Tender meeting shall be held at Address: Conference room Bangladesh Economic Zones Authority (BEZA) Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205.  Time & Date: 30.08.2020 at 11:00 am.								
C. Qualification Criteria									
ITT 14.1(a)	The minimum number of years of general experience of the Tenderer in the construction works as Prime Contractor shall be 10 (Ten) years.  <i>[years counting backward from the date of publication of IFT in the newspaper]</i>								
ITT 14.1(b)	The minimum specific experience as a Prime Contractor in land filling by dredging in coastal area of Bangladesh of at least 1 (one) contract successfully completed/substantially completed within the last 3 (Three) years, each with a value of at least Tk. 3000 (Three thousand) lac. Substantially completed means work must be completed 75% or more (need to submit supporting financial documents in favour of completion of 75% or more) under the contract. <i>[years counting backward from the date of publication of IFT in the newspaper]</i>								
ITT 15.1(a)	The required average annual construction turnover shall be greater than Tk 5000 (Five thousand) Lac in the best 5 (Five) years within the last 10 (Ten) years. <i>[years counting backward from the date of publication of IFT in the newspaper]</i>								
ITT 15.1(b)	The minimum amount of liquid assets i.e working capital or credit line(s) of the Tenderer shall be Tk 1500 (One thousand five hundred) Lac.								
ITT 16.1(a)	A Construction Project Manager, Engineer, and other key staff shall have the following qualifications and experience: <table><tr><th>No</th><th>Position</th><th>Total Works Experience (Years)</th><th>Experience in similar works (Years)</th></tr><tr><td>1</td><td>Project Manager- B.sc in Civil Engineer -1 Person</td><td>Min. 15 years.</td><td>Min. 3 years.</td></tr></table>	No	Position	Total Works Experience (Years)	Experience in similar works (Years)	1	Project Manager- B.sc in Civil Engineer -1 Person	Min. 15 years.	Min. 3 years.
No	Position	Total Works Experience (Years)	Experience in similar works (Years)						
1	Project Manager- B.sc in Civil Engineer -1 Person	Min. 15 years.	Min. 3 years.						



	2	Field Engineer - B.sc in Civil Engineer -1 Person	Min. 10 years.	Min. 3 years.
	3	Site Supervisor – (Diploma –in- Civil Engineer – 1 persons	Min. 5 years.	Min. 3 years.
	4	Surveyor (Certificated in Surveying) -2 Person	Min. 5 years.	Min. 3 years
	5	Helper to Surveyor-SSC-8 Persons	Min. 3 years	Min.1 years
	6	Work Assistant-HSC- 2 Persons	Min. 5 years.	Min. 3 years
ITT 17.1	The Tenderer shall own or have proven access to hire or lease of the major construction equipments, in full working order as follows :			
	No	Equipment Type and Characteristics	Minimum Number Required	
	1	Cutter/Suction Dredger (Minimum diameter of delivery pipe should be 28 inches)	Min. 2 Set	
	2	Excavator	Min. 15 Nos.	
	3	Total station machine	Min. 2 Nos.	
	4	Dumping truck for carrying earth	Min. 15 Nos.	
	5	Dozer	Min. 10 Nos.	
	6	Roller	Min. 4 Nos.	
	7	Water Pump with water tanker	Min.4 Nos.	
ITT 18.1	The value of non-judicial stamp for execution of the Joint Venture agreement shall be Tk 300 (Three Hundred) only.			
ITT 18.2	The minimum qualification requirements of Leading Partner and other Partner(s) of a JVCA shall be as follows :			
	TDS Clauses References	Requirements by summation	Requirements for Leading Partner	Requirements for other Partner(s)
	ITT-14.1(a)	Summation not	Same as stated in TDS	Same as for Leading Partner

		applicable			
	ITT-14.1(b)	100%	At least one Contract	Not applicable	
	ITT-15.1(a)	100%	40%	25%	
	ITT-15.1(b)	100%	40%	25%	
	ITT-16.1(a)	100%	No minimum or maximum limit	No minimum or maximum limit	
	ITT-17.1	100%	No minimum or maximum limit	No minimum or maximum limit	
	[Percent share of business of the JVCA partners shall not be taken into account in determining the qualification of a JVCA]				
ITT 19.3	The Nominated Subcontractor(s) named [insert name(s)] shall execute the following specific components of the proposed Works: None				
D. Tender Preparation					
ITT 24.1 (l)	The Tenderer shall submit with its Tender the following additional documents: None.				
ITT 26.1	Alternatives will not be permitted.				
ITT 26.2	There shall not be alternative times for completion of the Works.				
ITT 26.4	Alternative technical solutions for any parts of works will not be permitted.				
ITT 27.9	The prices quoted by the Tenderer shall be fixed for the duration of the Contract.				
ITT 28.1	The currency of the Tender shall be: Bangladeshi Taka				
ITT 31.1	The required Technical Proposal shall include the following additional information: Detailed Method of Construction.				
ITT 33.1	The Tender Validity period shall be 120 days.				
ITT 35.1	The amount of the Tender Security shall be Tk 75,00,000 (Seventy five Lac) in favour of <i>Project Director, Bangladesh Economic Zones Development Project (Phase- 1), Bangladesh Economic Zones Authority (BEZA).</i>				

ITT 40.1	In addition to the original of the Tender, 02 (Two) copies shall be submitted.
<b>E. Tender Submission</b>	
ITT 41.2(e)	The inner and outer envelopes shall bear the following additional identification marks: BEZA WD-1309
ITT 42.1	<p style="text-align: center;">For <u>Tender submission purposes</u> only, the Procuring Entity's address is:</p> <p>Attention: Project Director, Bangladesh Economic Zones Development Project (Phase-1)  Address: Bangladesh Economic Zone Authority (BEZA), Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205</p> <p>The deadline for the submission of Tenders is:  Time &amp; Date: 16.09.2020 at 14:00 hours local time.</p>
<b>F. Tender Opening and Evaluation</b>	
ITT 48.1	<p>The Tender opening shall take place at: BEZA Conference room</p> <p>Address: Monem Business District (Level-12), 111, Bir Uttam C.R. Datta Road, Dhaka-1205.</p> <p>Time &amp; Date: 16.09.2020 at 14:30 hours local time.</p>
<b>G. Contract Award</b>	
ITT 64.1	The amount of Performance Security shall be 10 (Ten) percent of the Contract Price.
ITT 68.1	<p>The Adjudicator proposed by the Procuring Entity is President, IEB, Bangladesh. The hourly fee shall be Tk 5000 (Five thousand only). [state amount] and the reimbursable expenses shall be limited to Tk 100000 (One lac only).</p> <p>The biographical data of the Adjudicator is:</p> <p>[provide relevant information, such as education, experience, age, nationality, and present position; attach additional pages as necessary]</p>

Section 3. General Conditions of Contract	
A. General	
1. Definitions	<p>1.1 In the Conditions of Contract, which include Particular Conditions and these General Conditions, the following words and expressions shall have the meaning hereby assigned to them. Boldface type is used to identify the defined terms:</p> <ul style="list-style-type: none"> <li>(a) Act means The Public Procurement Act, 2006.</li> <li>(b) Adjudicator is the expert appointed jointly by the Procuring Entity and the Contractor to resolve disputes in the first instance, as provided for in GCC Sub Clause 94.2.</li> <li>(c) The Bank means International Development Association (IDA).</li> <li>(d) Bill of Quantities (BOQ) means the priced and completed Bill of Quantities forming part of the Contract defined in GCC Clause 60.</li> <li>(e) Compensation Events are those defined in GCC Clause 69.</li> <li>(f) Approving Authority means the authority that gives decision on specific issues as per delegation of administrative and/or financial powers.</li> <li>(g) Completion Certificate means the Certificate issued by the Project Manager as evidence that the Contractor has executed the Works and Physical services in all respects as per design, drawing, specifications and Conditions of Contract.</li> <li>(h) Completion Date is the actual date of completion of the Works and Physical services certified by the Project Manager, in accordance with GCC Clause 80.</li> <li>(i) Contract means the Agreement entered into between the Procuring Entity and the Contractor, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein to execute, complete, and maintain the Works.</li> <li>(j) Contract Documents means the documents listed in GCC Clause 6, including any amendments thereto.</li> <li>(k) Contractor is the party whose Tender to carry out the Works has been accepted by the Procuring Entity.</li> <li>(l) Contract Price is the price stated in the Notification of Award and thereafter as adjusted in accordance with the provisions of the Contract.</li> <li>(m) Contractor's Tender is the completed Tender Document including the priced Bill of Quantities and the Schedules submitted by the Contractor to the Procuring Entity.</li> <li>(n) Day means calendar day unless otherwise specified as working days.</li> </ul>

	<p>(o) Dayworks means work carried out following the instructions of the Procuring Entity or the authorised Project Manager and is paid for on the basis of time spent by the Contractor's workers and equipment at the rates specified in the Schedules, in addition to payments for associated Materials and Plant.</p> <p>(p) Defect is any part of the Works not completed in accordance with the Contract.</p> <p>(q) Defects Correction Certificate is the certificate issued by the Project Manager upon correction of defects by the Contractor.</p> <p>(r) Defects Liability Period is the period specified in the PCC and calculated from the Completion Date. Drawings include calculations and other information provided in Section 9 or as approved by the Project Manager for the execution and completion of the Contract.</p> <p>(s) Goods mean the Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.</p> <p>(a) Equipment. is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.</p> <p>(t) GCC means the General Conditions of Contract.</p> <p>(u) Government means the Government of the People's Republic of Bangladesh.</p> <p>(v) "Head of the Procuring Entity" means the Secretary of a Ministry or a Division, the Head of a Government Department or Directorate; or the Chief Executive, by whatever designation called, of a local Government agency, an autonomous or semi-autonomous body or a corporation, or a corporate body established under the Companies Act;</p> <p>(w) Intended Completion Date is the date calculated from the Commencement Date as specified in the PCC, on which it is intended that the Contractor shall complete the Works and Physical services as specified in the Contract and may be revised only by the Project Manager by issuing an extension of time or an acceleration order.</p> <p>(x) Materials means things of all kinds other than Plant intended to form or forming part of the Works, including the supply-only materials, if any, to be supplied by the Contractor under the Contract.</p> <p>(y) Month means calendar month.</p> <p>(z) Initial Contract Price is the Contract Price stated in the Procuring Entity's Notification of Award.</p> <p>(aa) PCC means the Particular Conditions of Contract.</p> <p>(bb) Plant means the apparatus, machinery and other equipment intended to form or forming part of the Works, including</p>
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	<p>vehicles purchased for the Procuring Entity and relating to the construction of the Works and Physical services.</p> <p>(cc) Procuring Entity is the party who employs the Contractor to carry out the Works, as specified in the PCC.</p> <p>(dd) Project Manager is the person named in the PCC or any other competent person appointed by the Procuring Entity and notified to the Contractor who is responsible for supervising the execution and completion of the Works and Physical services and administering the Contract.</p> <p>(ee) Provisional Sums means amounts of money specified by the Procuring Entity in the Bill of Quantities which shall be used, at its discretion, for payments to Nominated Subcontractor(s) and for meeting other essential expenditures under the Contract pursuant to GCC Sub Clause 77.</p> <p>(ff) Site means the places where the Works are to be executed including storage and working areas and to which Plant and Materials are to be delivered, and any other places as may be specified in the PCC as forming part of the Site.</p> <p>(gg) Site Investigation Reports are those that were included in the Tender Document and are factual and interpretative reports about the surface and subsurface conditions at the Site.</p> <p>(hh) Specification means the Specification of the Works included in the Contract and any modifications or additions to the specifications made or approved by the Project Manager in accordance with the Contract.</p> <p>(ii) Start Date is the date defined in the PCC and it is the last date when the Contractor shall commence execution of the Works under the Contract.</p> <p>(jj) Subcontractor means a person or corporate body, who has a contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.</p> <p>(kk) Temporary Works means all temporary works of every kind other than Contractor's Equipment required on the Site for the execution and completion of the Works and remedying of any defects.</p> <p>(ll) A Variation is an instruction given by the Project Manager that varies the Works.</p> <p>(mm) Works means all works associated with the construction, reconstruction, site preparation, demolition, repair, maintenance or renovation of railways, roads, highways, or a building, an infrastructure or structure or an installation or any construction work relating to excavation, installation of equipment and materials, decoration, as well as physical services ancillary to works as detailed in the PCC, if the value of those services does not exceed that of the Works themselves.</p> <p>(nn) Writing means communication written by hand or machine duly signed and includes properly authenticated messages</p>
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	by facsimile or electronic mail.
<b>2. Interpretation</b>	<p>2.1 In interpreting the GCC, singular also means plural, male also means female or neuter, and the other way around. Headings in the GCC shall not be deemed part thereof or be taken into consideration in the interpretation or construance of the Contract. Words have their normal meaning under the language of the Contract unless specifically defined.</p>
	<p>2.2 Entire Agreement</p> <p>The Contract constitutes the entire agreement between the Procuring Entity and the Contractor and supersedes all communications, negotiations and agreements (whether written or verbal) of parties with respect thereto made prior to the date of Contract Agreement; except those stated under GCC Sub Clause 6.1(j).</p>
	<p>2.3 Non waiver</p> <p>(a) Subject to GCC Sub Clause 2.3(b), no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.</p>
	<p>(b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.</p>
	<p>2.4 Severability</p> <p>If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.</p>
	<p>2.5 Sectional completion</p> <p>If sectional completion is specified in the PCC, references in the GCC to the Works, the Completion Date, and the Intended Completion Date apply to any section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).</p>
<b>3. Communications and Notices</b>	<p>3.1 Communications between Parties such as notice, request or consent required or permitted to be given or made by one party to the other pursuant to the Contract shall be in writing to the addresses specified in the PCC.</p>
	<p>3.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.</p>

	3.3 A Party may change its address for notice hereunder by giving the other Party notice of such change to the address.
4. Governing Law	4.1 The Contract shall be governed by and interpreted in accordance with the laws of the People's Republic of Bangladesh.
5. Governing Language	5.1 The Contract shall be written in English. All correspondences and documents relating to the Contract may be written in English or <i>Bangla</i> . Supporting documents and printed literature that are part of the Contract may be in another language, provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, such translation shall govern.
	5.2 The Contractor shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.
6. Documents Forming the Contract and Priority of Documents	6.1 The following documents forming the Contract shall be interpreted in the following order of priority: <ul style="list-style-type: none"> <li>(a) the signed Contract Agreement (Form PW3-8);</li> <li>(b) the Notification of Award (PW3-7);</li> <li>(c) the completed Tender and the appendix to the Tender;</li> <li>(d) the Particular Conditions of Contract;</li> <li>(e) the General Conditions of Contract;</li> <li>(f) the Technical Specifications;</li> <li>(g) the General Specifications;</li> <li>(h) the Drawings;</li> <li>(i) the priced Bill of Quantities and the Schedules; and</li> <li>(j) any other document listed in the PCC forming part of the Contract.</li> </ul>
7. Scope of Works	7.1 The Works to be executed, completed and maintained shall be as specified in the Bill of Quantities, the General and Particular Specifications and Drawings.  7.2 Unless otherwise stipulated in the Contract, the Works shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for completion of the Works as if such items were expressly mentioned in the Contract.
8. Assignment	8.1 Neither the Contractor nor the Procuring Entity shall assign, in whole or in part, its obligations under the Contract
9. Eligibility	9.1 The Contractor and its Subcontractor(s) shall have the nationality of a country other than that specified in the PCC.
	9.2 All materials, equipment, plant, and supplies used by the Contractor in both works and services supplied under the Contract



	shall have their origin in the countries except any specified in the PCC.
10. Gratuities / Agency fees	10.1 No fees, gratuities, rebates, gifts, commissions or other payments, other than those shown in the tender or in the Contract, have been given or received in connection with the procurement process or in the Contract execution.
11. Confidential Details	<p>11.1 The Contractor's and the Procuring Entity's personnel shall disclose all such confidential and other information as may be reasonably required in order to verify the Contractor's compliance with the Contract and allow its proper implementation.</p> <p>11.2 Each of them shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to establish his qualifications to compete for other projects.</p>
12. JVCA	<p>12.1 If the Contractor is a Joint Venture, Consortium, or Association (JVCA),</p> <p>(a) each partner of the JVCA shall be jointly and severally liable for all liabilities and ethical or legal obligations to the Procuring Entity for the fulfilment of the promises of the Contract;</p> <p>(b) the JVCA partners shall nominate a representative who shall have the authority to conduct all business including the receipt of payments for and on behalf of all partners of the JVCA;</p> <p>(c) the JVCA shall notify the Procuring Entity of its composition and legal status which shall not be altered without the prior approval of the Procuring Entity.</p> <p>(d) alteration of partners shall only be allowed if any of the partners is found to be incompetent or has any serious difficulties which may impact the overall implementation of the works.</p>
13. Possession of the Site	13.1 The Procuring Entity shall give possession of the Site or part(s) of the Site, to the Contractor on the date(s) stated in the PCC. If possession of a part of the Site is not given by the date stated in the PCC, the Procuring Entity will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event as stated under GCC Sub Clause 69.1(a).
14. Access to the Site	14.1 The Contractor shall allow the Project Manager and any person authorised by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried

	out or is intended to be carried out.
15. Procuring Entity's Responsibilities	15.1 The Procuring Entity shall pay the Contractor, in consideration of the satisfactory progress of execution and completion of the Works and Physical services, and the remedying of defects therein, the Contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract Agreement.
	15.2 The Procuring Entity shall make its best effort to guide and assist the Contractor in obtaining, if required, any permit, licence, and approvals from local public authorities for the purpose of execution of the Works and Physical services under the Contract.
16. Approval of the Contractor's Temporary Works	16.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, who is to approve them, if they comply with the Specifications and Drawings.
	16.2 The Contractor shall be responsible for design of Temporary Works.
	16.3 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
	16.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.
17. Contractor's Responsibilities	17.1 The Contractor shall execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract Agreement.
18. Taxes and Duties	18.1 The Contractor shall be entirely responsible for all taxes, duties, fees, and other such levies imposed inside and outside Bangladesh.
19. Contractor's Personnel	19.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the PCC, to carry out the functions stated in the Schedule or other personnel approved by the Project Manager.
	19.2 The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or higher than those of the personnel named in the Schedule.
	19.3 If the Project Manager asks the Contractor to remove a particular person who is a member of the Contractor's staff or work force from the Site, he or she shall state the reasons, and the Contractor shall ensure that the person leaves the Site within three (3) days and has no further connection with the work in the Contract.
20. Subcontracting	20.1 Subcontracting the whole of the Works by the Contractor shall not be permissible. The Contractor shall be responsible for the acts or

	defaults of any Subcontractor, his or her agents or employees, as if they were the acts or defaults of the Contractor.
	<p>20.2 The prior consent, in writing, of the Project Manager shall however be obtained for other proposed Subcontractor(s).</p> <p>20.3 Subcontractors shall comply with the provisions of GCC Clause 39.</p>
21. Nominated Subcontractor	21.1 Nominated Subcontractor named in the Contract shall be entitled to execute the specific components of the Works stated in the PCC.
	21.2 The Contractor shall not be under obligations to employ a Nominated Subcontractor against whom the Contractor raises reasonable objection by notice to the Project manager as soon as practicable, with supporting particulars while there are reasons to believe that the Subcontractor does not have sufficient competence, resources or financial strength, or does not accept to indemnify the Contractor against and from any negligence or misuse of Goods by the nominated Subcontractor, or does not accept to enter into a subcontract which specifies that, for the subcontracted work including design, if any, the Nominated Subcontractor shall undertake to the Contractor such obligations and liabilities as will enable the contractor to discharge his or her liabilities under the Contract.
	21.3 Subcontracting shall in no event relieve the Contractor from any of its obligations, duties, responsibilities, or liability under the Contract and all Subcontractors shall comply with the provisions of GCC Clause 39.
22. Other Contractors	22.1 The Contractor shall cooperate and share the Site with other Contractors, public authorities, utilities, the Project Manager and the Procuring Entity between the dates given in the Schedule of other Contractors. The Contractor shall also provide facilities and services for them as described in the Schedule. The Procuring Entity may modify the Schedule of other Contractors, and shall notify the Contractor of any such modification.
23. Project Manager's Decisions	23.1 Except where otherwise specifically stated in the PCC, the Project Manager will decide Contractual matters between the Procuring Entity and the Contractor in its role as representative of the Procuring Entity.
24. Delegation	24.1 The Project Manager may delegate any of his duties and responsibilities to his representative except to the Adjudicator, after notifying the Contractor, and may cancel any delegation, without retroactivity, after notifying the Contractor.
	24.2 Any communications to the Contractor in accordance with such delegation shall have the same effect as if it was given by the Project Manager.
25. Instructions,	25.1 The Contractor shall carry out all instructions of the Project Manager that comply with the applicable law.

26. Queries about the Contract conditions	26.1 The Project Manager, on behalf of the Procuring Entity, will clarify queries on the Conditions of Contract.
27. Safety, Security and Protection of the Environment	<p>27.1 The Contractor shall throughout the execution and completion of the Works and the remedying of any defects therein:</p> <ul style="list-style-type: none"> <li>(a) take all reasonable steps to safeguard the health and safety of all workers working on the Site and other persons entitled to be on it, and to keep the Site in an orderly state;</li> <li>(b) provide and maintain at the Contractor's own cost all lights, guards, fencing, warning signs and watching for the protection of the Works or for the safety on-site; and</li> <li>(c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of the Contractors methods of operation.</li> </ul>
28. Working Hours	28.1 The Contractor shall not perform any work on the Site on the weekly holidays, or during the night or outside the normal working hours, or on any religious or public holiday, without the prior written approval of the Project Manager.
29. Welfare of Labourers	29.1 The Contractor shall comply with all the relevant labour Laws applicable to the Contractor's personnel relating to their employment, health, safety, welfare, immigration and shall allow them all their legal rights.
	29.2 The Contractor, in particular, shall provide proper accommodation to his or her labourers and arrange proper water supply, conservancy and sanitation arrangements at the site for all necessary hygienic requirements and for the prevention of epidemics in accordance with relevant regulations, rules and orders of the government.
	29.3 The Contractor, further in particular, shall pay reasonable wages to his or her labourers, and pay them in time. In the event of delay in payment the Procuring Entity may effect payments to the labourers and recover the cost from the Contractor.
30. Child Labour	30.1 The Contractor shall not employ any child to perform any work that is economically exploitative, or is likely to be hazardous to, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development in compliance with the applicable labor laws and other relevant treaties ratified by the government.
31. Discoveries	31.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Procuring Entity. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.

32. Procuring Entity's and Contractor's Risks	32.1 The Procuring Entity carries the risks that the Contract states are Procuring Entity's risks and the Contractor carries the risks that the Contract states are Contractor's risks.
33. Procuring Entity's Risks	<p>33.1 From the Start Date until the Defects Correction Certificate has been issued, the following are Procuring Entity's risks:</p> <ul style="list-style-type: none"> <li>(a) the risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to <ul style="list-style-type: none"> <li>i. use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or</li> <li>ii. negligence, breach of statutory duty, or interference with any legal right by the Procuring Entity or by any person employed by or Contracted to him except the Contractor.</li> </ul> </li> <li>(b) the risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Procuring Entity or in the Procuring Entity's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.</li> </ul>
	<p>33.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is Procuring Entity's risk, except loss or damage due to:</p> <ul style="list-style-type: none"> <li>(a) a Defect which existed on the Completion Date;</li> <li>(b) an event occurring before the Completion Date, which was not itself Procuring Entity's risk; or</li> <li>(c) the activities of the Contractor on the Site after the Completion Date.</li> </ul>
34. Contractor's Risks	34.1 From the Start Date until the Defects Correction Certificate has been issued the risks of personal injury, death, and loss of or damage to property including without limitation, the Works, Plant, Materials, and Equipment, which are not Procuring Entity's risks are Contractor's risks.
35. Copyright	35.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Entity by the Contractor herein shall remain vested in the Contractor, or, if they are furnished to the Procuring Entity directly or through the Contractor by any third party, including Suppliers of materials, the copyright in such materials shall remain vested in such third party.
	35.2 The Contractor shall not, except for the purposes of performing the obligations under the Contract, without the written permission of the Procuring Entity disclose or make use of any

	specification, plan, design and drawing, pattern, sample or information furnished by or on behalf of the Procuring Entity.
36. Limitation of Liability	<p>36.1 Except in cases of criminal negligence or wilful misconduct:</p> <p>(a) the Contractor shall not be liable to the Procuring Entity, whether in Contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Procuring Entity; and</p> <p>(b) the aggregate liability of the Contractor to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective Works, or to any obligation of the Contractor to indemnify the Procuring Entity with respect to patent infringement.</p>
37. Insurance	<p>37.1 The Contractor shall provide, in the joint names of the Procuring Entity and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles specified in the PCC for the following events which are due to the Contractor's risks:</p> <p>(a) loss of or damage to the Works, Plant, and Materials;</p> <p>(b) loss of or damage to Equipment;</p> <p>(c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and</p> <p>(d) personal injury or death.</p>
	37.2 The Contractor shall deliver policies and certificates of insurance to the Project Manager, for the Project Manager's approval, before the Start Date. All such insurances shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
	37.3 If the Contractor does not provide any of the policies and certificates required, the Procuring Entity may effect the insurance which the Contractor should have provided and recover the premiums the Procuring Entity has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
	37.4 Alterations to the terms of insurance shall not be made without the approval of the Project Manager.
	37.5 Both parties shall comply with conditions of the insurance policies.
38. Management and Progress	38.1 Either the Project Manager or the Contractor may require the other to attend a management and progress meeting. The business of such meeting shall be to review the progress and

Meetings	plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
	38.2 The Project Manager shall record the business of the meetings and provide copies of the record to those attending the meeting and to the Procuring Entity. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management and progress meeting or after the meeting, and stated in writing to all concerned.
39. Corrupt, Fraudulent, Collusive, Coercive, or Obstructive Practices	39.1 The Government and the Bank requires that Procuring Entity, as well as the Contractor shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of the Contract under public fund.
	<p>39.2 For the purposes of GCC Sub Clause 39.3, the terms set forth below as follows:</p> <p>(a) “corrupt practice” means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of a Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by a Procuring Entity in connection with a Procurement proceeding or Contract execution;</p> <p>(b) “fraudulent practice” means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;</p>

	<p>(c) “collusive practice” means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Procuring Entity, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying a Procuring Entity the benefits of competitive price arising from genuine and open competition; or</p> <p>(d) “coercive practice” means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of the Contract, and this will include creating obstructions in the normal submission process used for Tenders.</p> <p>(e) “obstructive practice” means deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; and also means acts intended to materially impede the exercise of the inspection and audit rights provided for under GCC Sub-Clause 39.6.</p>
	<p>39.3 Should any corrupt, fraudulent, collusive, coercive or obstructive practice of any kind, in competing for or in executing the Contract, is determined by the Procuring Entity, then the Procuring Entity may, upon giving 28 days’ notice to the Contractor, terminate the Contractor’s employment under the Contract and expel the contractor from the site, and the provisions of Clause 89 shall apply as if such expulsion had been made under sub-clause 89.1 (Termination for Default).</p>
	<p>39.4 Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with Clause 19.3.</p>



	<p>39.5 The Contractor shall be aware of the provisions on corruption, fraudulence, collusion, coercion and obstruction of the Procurement Guidelines of The Bank, Public Procurement Act 2006 and Public Procurement Rules 2008.</p> <p>39.6 The Contractor (including its suppliers, sub-contractors, agents, personnel, consultants, and service providers) shall permit the Government and/or the Bank to inspect the Contractor's accounts and records and other documents relating to the submission of tender and contract performance, and to have them audited by auditors appointed by the Government and/or the Bank, if so required. The Contractor's attention is drawn to GCC Sub-Clause 39.3 which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under this sub-clause constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility under the Procurement Guidelines of the Bank).</p>
B. Time Control	
40. Commencement of Works	<p>40.1 Except otherwise specified in the PCC, the Commencement Date shall be the date at which the following precedent conditions have all been fulfilled and the Project Manager's instruction recording the agreement of both Parties on such fulfilment and instructing to commence the Works is received by the Contractor:</p> <ul style="list-style-type: none"> <li>(a) signing of the Contract Agreement by both parties upon approval of the by relevant authorities;</li> <li>(b) possession of the Site given to the Contractor as required for the commencement of the Works; and</li> <li>(c) receipt by the Contractor of the Advance Payment under GCC Clause 75 provided that the corresponding Bank Guarantee has been delivered by the Contractor, if any.</li> </ul>
	<p>If the Project Manager's instruction is not received by the Contractor within one hundred eighty (180) days from the date of signing of the Contract Agreement, the Contractor shall be entitled to terminate the Contract under GCC Sub Clause 90.1.</p>
	<p>40.2 The Contractor shall commence the execution of the Works as soon as is reasonably practicable by the Start Date as specified in the GCC Sub Clause 1.1(nn) after the Commencement Date, and shall then proceed with the Works with due expedition and without delay.</p>
41. Completion of Works	<p>41.1 The Contractor shall carry out the Works in accordance with the Programme of Works submitted by the Contractor and as updated with the approval of the Project Manager as stated under GCC Clause 42 to complete them in all respects by the Intended Completion Date.</p>
42. Programme of Works	<p>42.1 Within the time stated in the PCC, the Contractor shall submit to the Project Manager for approval a Programme of Works</p>

	showing the general methods, arrangements, order, and timing for all the activities in the Works. The programme may be in the form of an Implementation Schedule prepared in any software or other form acceptable to the Project Manager.
	42.2 The Contractor shall submit to the Project Manager for approval of an updated Programme at intervals no longer than the period stated in the PCC. An update of the Programme shall be a Programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
	42.3 If the Contractor does not submit an updated Programme of Works at the intervals as stated under GCC Sub Clause 42.2, the Project Manager may withhold an amount as stated in the PCC from the next payment certificate and continue to withhold this amount until the next due payment after the date on which the overdue Programme of Works has been submitted.
	42.4 The Project Manager's approval of the Programme of Works shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Project Manager again at any time for approval. A revised Programme shall show the effect of Variations and Compensation Events.
43. Pro Rata Progress	43.1 The Contractor shall maintain Pro Rata progress of the Works. Progress to be achieved shall be pursuant to GCC Clause 42 and shall be determined in terms of the value of the works done.
44. Early Warning	44.1 If at any time during performance of the Contract, the Contractor or its Subcontractors should encounter events, circumstances, conditions that may adversely affect the quality of the work, increase the Initial Contract Price or delay the execution of the Works, the Contractor shall promptly notify the Project Manager in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Contractor's notice, the Project Manager shall evaluate the situation, and the Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced.
	44.2 The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Initial Contract price and Completion Date. The Contractor shall provide the estimate and the Project Manager shall further proceed as soon as reasonably possible.
45. Extension of Intended Completion Date	45.1 The Contractor shall be entitled to an extension of the Intended Completion Date, if and to the extent that completion of the Works or any part thereof is or will be delayed by Compensation Events or a Variation or Extra Work Order.

	<p>45.2 The Project Manager shall decide whether and by how much to extend the Intended Completion Date within twenty-one (21) days of the Contractor asking the Project Manager for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the extension of Intended Completion Date.</p>
	<p>45.3 Except in case of Force Majeure, as provided under GCC Clause 85, a delay by the Contractor in the performance of its Completion obligations shall render the Contractor liable to the imposition of Liquidated Damages pursuant to GCC Clause 73, unless an extension of Intended Completion Date is agreed upon, pursuant to GCC Clause 45.</p> <p>45.4 If the Contractor fails to complete the Works by the Intended Completion Date, as extended by the Project Manager as the case may be, the Contractor shall be liable to pay liquidated damages to the Employer.</p>
46. Delays Caused by Authorities	<p>46.1 If the following conditions apply, namely:</p> <ul style="list-style-type: none"> <li>(a) the Contractor has diligently followed the procedures laid down by the relevant legally constituted public authorities,</li> <li>(b) these public authorities delay or disrupt the Contractor's work, and</li> <li>(c) the delay or disruption was unforeseeable;</li> </ul> <p>then this delay or disruption will be considered as a cause of delay under GCC Sub Clause 45.1.</p>
	<p>46.2 The Project Manager shall notify the Contractor accordingly keeping the Procuring Entity posted.</p>
47. Acceleration	<p>47.1 When the Procuring Entity wants the Contractor to finish the Works before the Intended Completion Date, the Project Manager will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Procuring Entity accepts these proposals, the Intended Completion Date will be advanced accordingly and confirmed by both the Procuring Entity and the Contractor.</p>
	<p>47.2 If the Procuring Entity accepts the Contractor's priced proposals for acceleration, they will be incorporated in the Contract Price and treated as a Variation under GCC Clause 62.</p>
48. Delays Ordered by the Project Manager	<p>48.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.</p>

49. Suspension of Work	49.1 The Project Manager may at any time instruct the Contractor to suspend progress of part or all of the Works. During such suspension, the Contractor shall protect, store and secure such part or the Works against any deterioration, loss or damage.
50. Consequences of Suspension	50.1 If the Contractor suffers delay and/or incurs Cost from complying with the Project Manager's instructions under GCC Clause 49 and/or from resuming the work, the Contractor shall give notice to the Project Manager and shall be entitled subject to GCC Clause 93 to: <ul style="list-style-type: none"> <li>(a) an extension of time for any such delay, if Completion is or will be delayed and</li> <li>(b) payment of any such cost, which shall be included in the Contract Price.</li> </ul>
	50.2 After receiving this notice, the Project Manager shall proceed to agree or determine these matters.
	50.3 The Contractor shall not be entitled to any extension of time for, or to any payment of the cost incurred in, making good the consequences of the Contractor's faulty design, workmanship or materials, or of the Contractor's failure to protect, store or secure in accordance with GCC Clause 49.
<b>C. Quality Control</b>	
51. Execution of Works	51.1 The Contractor shall construct, install and carry out the Works and Physical services in accordance with the Specifications and Drawings as scheduled in GCC Clause 6.
52. Examination of Works before covering up	52.1 All works under the Contract shall at all times be open to examination, inspection, measurements, testing and supervision of the Project Manager, and the Contractor shall ensure presence of its representatives at such actions provided proper advance notice is given by the Project Manager.
	52.2 No part of the Works shall be covered up or put out of sight without the approval of the Project Manager. The Contractor shall give notice in writing to the Project Manager whenever any such part of the Works is ready for examination and the Project Manager shall attend to such examination without unreasonable delay.
53. Identifying Defects	53.1 The Project Manager shall check the works executed by the Contractor and notify the Contractor of any Defects found. Such checking shall not relieve the Contractor from his or her obligations. The Project Manager may also instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.
54. Testing	54.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has

	a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event.
55. Rejection of Works	55.1 If, as a result of an examination, inspection, measurement or testing, of Works it is found to be defective or otherwise not in accordance with the Contract, the Project Manager may reject the Works by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected Works subsequently complies with the Contract.
56. Remedial Work	56.1 Notwithstanding any test or certification, the Project Manager may instruct the Contractor to: <ul style="list-style-type: none"> <li>(a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,</li> <li>(b) remove and re-execute any other work which is not in accordance with the Contract, and</li> <li>(c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseeable event or otherwise.</li> </ul>
	56.2 The Contractor shall comply with the instruction issued under GCC Sub Clause 56.1 within a reasonable time, which shall be specified in the instruction, or immediately if urgency is specified under GCC Sub Clause 56.1(c).
	56.3 If the Contractor fails to comply with the instruction issued under GCC Sub Clause 56.2, the Procuring Entity shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall be liable to pay all such costs arising from this failure.
57. Correction of Defects	57.1 The Project Manager shall give notice to the Contractor, with a copy to the Procuring Entity and others concerned, of any Defects before the end of the Defects Liability Period, which begins at Completion Date, and is defined in the PCC. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
	57.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice.
58. Uncorrected Defects	58.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected by it, and the Contractor shall remain liable to pay the expenditures incurred on account of correction of such Defect.
D. Cost Control	

59. Contract Price	59.1 The Contract Price shall be as specified in the Contract Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to Contract
60. Bill of Quantities	60.1 The Bill of Quantities shall contain priced items for the construction, installation, testing, and commissioning work to be done by the Contractor.
	60.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.
61. Changes in the Quantities and Unit Rate or Price	61.1 If the final quantity of the work done for any particular item differs from the quantity in the Bill of Quantities by more than twenty-five percent (25%), provided the change in case exceeds one percent (1%) of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change.
	61.2 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.
62. Variations	62.1 All Variations and Extra Work Orders under the Contract shall be included in the updated Programme of Works produced by the Contractor.
63. Costing of Variations or Extra Orders	63.1 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.
	63.2 If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work not above the limit stated in GCC Sub-Clause 61.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.
	63.3 If the Contractor's quotation is found to be unreasonable, the Project Manager may order the Variation and make a change to the Contract price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.
	63.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the

	Variation shall be treated as a Compensation Event under GCC Sub Clause 69.
	63.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning under GCC Sub Clause 44.1.
64. Cash Flow Forecasts	64.1 When the Programme of Works is updated under GCC Sub Clause 42.2, the Contractor shall provide the Project Manager with an updated cash flow forecast.
65. Payment Certificates	65.1 The basis for payment certificates shall be Bill of Quantities used to determine the Contract price.
	65.2 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the works executed less the cumulative amount certified previously.
	65.3 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
	65.4 The value of work executed shall be determined by the Project Manager.
	65.5 The value of work executed shall include the valuation of Variations or Extra Work Orders, Certified Dayworks and Compensation Events.
	65.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
66. Payments to the Contractor	66.1 Payments shall be adjusted for deductions for advance payments and retention. The Procuring Entity shall pay the Contractor the amounts certified by the Project Manager within twenty eight (28) days of the date of each certificate after due adjustments for deductions for advance payments, retention and any other additions or deductions which may have become due under the Contract or otherwise, including those under GCC Clause 93.
	66.2 Items of works quantified in the Bill of Quantities for which no rates or prices have been quoted shall be deemed covered by the amounts at rates and prices of other items in the Contract.
	66.3 Payments due to the Contractor in each certificate shall be made into the Bank Account in any scheduled Bank of Bangladesh of the title of the Contract specified in the PCC, nominated by the Contractor in the currency specified in the Contract.
67. Delayed Payment	67.1 If the Procuring Entity makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest for commercial borrowing for each of the currencies in which payments are made.

	<p>67.2 If an amount certified is increased in a subsequent certificate as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.</p>
68. Payments to Nominated Subcontractor(s)	<p>68.1 The Contractor shall pay to the Nominated Subcontractor(s) the amounts shown on the Nominated Subcontractor's invoices approved by the Contractor which the Project Manager certifies to be due in accordance with the subcontract included under the Contract.</p>
69. Compensation Events	<p>69.1 The following shall be Compensation Events:</p> <ul style="list-style-type: none"> <li>(a) The Procuring Entity does not give access to or possession of the Site or part of the Site by the Site Possession Date stated in the GCC Sub Clause 13.1;</li> <li>(b) The Procuring Entity modifies the Schedule of other Contractors in a way that affects the works of the Contractor under the Contract;</li> <li>(c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time;</li> <li>(d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects;</li> <li>(e) The Project Manager unreasonably does not approve a subcontract to be let, if applicable;</li> <li>(f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Notification of Award from the information issued to Tenderers (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site;</li> <li>(g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Procuring Entity, or additional work required for safety or other reasons;</li> <li>(h) Other Contractors, public authorities, utilities, or the Procuring Entity do not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor;</li> <li>(i) The advance payment is delayed;</li> <li>(j) The effects on the Contractor of any of the Procuring Entity's Risks;</li> <li>(k) The Project Manager unreasonably delays issuing a Completion Certificate;</li> <li>(l) A situation of Force Majeure has occurred, as defined in GCC Clause 85; and</li> <li>(m) Other Compensation Events described in the Contract or</li> </ul>



	determined by the Project Manager in the PCC shall apply.
	<p>69.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract price shall be increased and whether and by how much the Intended Completion Date shall be extended, only on justifiably acceptable grounds duly recorded.</p>
	<p>69.3 As soon as the Contractor has provided information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost, the Project Manager shall assess it, and the Contract price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and promptly to the event.</p>
	<p>69.4 The Contractor shall not be entitled to compensation to the extent that the Procuring Entity's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Project Manager.</p>
70. Adjustments for Changes in Legislation	<p>70.1 Unless otherwise specified in the Contract, if between the date twenty-eight (28) days before the submission of Tenders for the Contract and the date of the last Completion Certificate, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Bangladesh (which shall be deemed to include any change in interpretation or application by the approving authorities) that subsequently affects the Completion Date and/or the Contract price, then such Completion Date and/or Contract price shall be correspondingly increased or decreased, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.</p>
	<p>70.2 The Project Manager shall adjust the Contract Price on the basis of the change in the amount of taxes, duties, and other levies payable by the Contractor, provided such changes have not already been accounted for in the price adjustment as defined in GCC Clause 69 and/or reflected in the Contract price.</p>
71. Price Adjustment	<p>71.1 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the PCC. If so provided, the amounts as certified in each payment certificate, before deducting for Advance Payment, shall be adjusted by applying the respective price adjustment factor to the payment amount. The formula indicated below applies:</p> $P = A + B (I_m/I_o)$ <p>where:</p> <p>P is the adjustment factor</p>

	<p>A and B are Coefficients specified in the PCC, representing the nonadjustable and adjustable portions, respectively, of the Contract; and</p> <p>Im is the Index during the month the work has been executed and Io is the Index prevailing twenty eight (28) days prior to the deadline for submission of Tender.</p> <p>The Indexes to be used is as published by the Bangladesh Bureau of Statistics (BBS) on a monthly basis. In case not available, then other countries or authorities of the sources mentioned in Appendix to the Tender may be used.</p>
	<p>If the value of the Index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The Index value shall be deemed to take account of all changes in price due to fluctuations.</p>
72. Retention Money	<p>72.1 The Procuring Entity may retain from each progressive payment due to the Contractor at the percentage specified in the PCC until completion of the whole of the Works under the Contract.</p>
	<p>72.2 On completion of the whole of the Works, the first half the total amount retained under GCC Sub Clause 72.1 shall be repaid to the Contractor and the remaining second half after the Defects Liability Period has passed and the Project Manager has certified in the form of Defects Corrections Certificate..</p>
	<p>72.3 On completion of the whole of the Works, the Contractor may substitute an unconditional Bank Guarantee in the format as specified (Form PW3-11) acceptable to the Procuring Entity for the second half of the retention money as stated under GCC Sub Clause 72.2.</p>
73. Liquidated Damages	<p>73.1 The Contractor shall pay liquidated damages<sup>16</sup> to the Procuring Entity at the rate per day stated in the PCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the PCC. The Procuring Entity may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.</p>
	<p>73.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in Sub-Clause 43.1.</p>

<sup>16</sup> Usually liquidated damages are set between 0.05 percent and 0.10 percent per day, and the total amount is not to exceed between 5 percent and 10 percent of the Contract Price.

74. Bonus	74.1	The Contractor shall be paid a Bonus calculated at the rate per calendar day if stated in the PCC for each day (less any days for which the Contractor is paid for acceleration) that the Completion of the whole of the Works is earlier than the Intended Completion Date. The Project Manager shall require certifying that the Works are complete, although they may not have fallen due to being complete as per approved updated Programme of Works.
75. Advance Payment	75.1	If so specified in the PCC, the Procuring Entity shall make advance payment to the Contractor of the amounts and by the dates stated in the PCC against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Procuring Entity in an amount equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.
	75.2	The Contractor shall use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used for such specific purposes by supplying copies of invoices or other documents to the Project Manager.
	75.3	The advance payment shall be repaid by deducting at proportionate rate from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.
76. Performance Security	76.1	The Procuring Entity shall notify the Contractor of any claim made against the Bank issuing the Performance Security.
	76.2	<p>The Procuring Entity may claim against the security if any of the following events occurs for fourteen (14) days or more.</p> <p>(a) The Contractor is in breach of the Contract and the Procuring Entity has duly notified him or her ; and</p> <p>(b) The Contractor has not paid an amount due to the Procuring Entity and the Procuring Entity has duly notified him or her.</p>
	76.3	In the event the Contractor is liable to pay compensation under the Contract amounting to the full value of the Performance Security or more, the Procuring Entity may call the full amount of the Performance Security.
	76.4	The Performance Security furnished at the time of signing of the Contract Agreement shall be substituted, after the issuance of certificate of Completion of works by the Project Manager, by

	a new Security covering fifty (50) percent amount of the Performance Security to cover the Defects Liability Period.
	76.5 If there is no reason to call the Performance Security, the Performance Security shall be discharged by the Employer and returned to the Contractor not later than twenty-eight (28) days after the Defects Liability Period has passed and the Project Manager has certified in the form of Defects Corrections Certificate
77. Provisional Sums	77.1 Provisional Sums shall only be used, in whole or in part, in accordance with the Project Manager's instructions and the Contract price shall be adjusted accordingly. The total sum paid to the Contractor shall include only such amounts, for the work, supplies or services to which the Provisional Sum relates, as the Project Manager shall have instructed.
	77.2 Plants, Materials or Services to be purchased by the Contractor under the provisions of GCC Sub Clause 77.1 from Nominated Subcontractor(s) or for meeting the other expenditures under the Contract, and for which there shall be included in the Contract price, the actual amounts paid or due to be paid by the Contractor, and a sum for VAT, profit and overhead charges, as applicable, calculated as a percentage of these actual amounts by applying the relevant percentage rate stated in the PCC.
	77.3 The Contractor shall, when required by the Project Manager, produce quotations, invoices, vouchers and accounts or receipts in substantiation of purchases under GCC Sub Clause 77.2.
78. Dayworks	78.1 If applicable, the Dayworks rates in the Contractor's Tender shall be used for small additional amounts of work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.
	78.2 All works to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Project Manager. Each completed form shall be certified and signed by the Project Manager within seven (7) days of the works being done.
	78.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.
79. Cost of Repairs to Loss or Damages	79.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Period shall be remedied by the Contractor at the Contractor's own cost, if the loss or damage arises from the Contractor's acts or omissions.
E. Completion of the Contract	
80. Completion	80.1 The Contractor shall apply by notice to the Project Manager for issuing a Completion Certificate of the Works, and the Project

	Manager shall do so upon deciding that the work is completed.
81. Taking Over	81.1 The Procuring Entity shall take over the Site and the Works within seven (7) days of the Project Manager's issuing a certificate of Completion.
82. Amendment to Contract	82.1 The amendment to Contract shall generally include extension of time to the Intended Completion Date, increase or decrease in initial Contract price and any other changes acceptable under the conditions of the Contract.
	82.2 The Procuring Entity, in accordance with the Delegation of Financial Power or sub-delegation thereof, shall amend the Contract incorporating the changes introduced to the original terms and conditions of the Contract in line with the Rules.
83. Final Account	83.1 The Contractor shall submit with a detailed account of the total amount that the Contractor considers payable under the Contract to the Project Manager before the end of the Defects Liability Period.
	83.2 The Project Manager shall certify the Final Payment within fifty six (56) days of receiving the Contractor's account if the payable amount claimed by the Contractor is correct and the corresponding works are completed.
	83.3 If it is not, the Project Manager shall issue within fifty six (56) days a Defects Liability Schedule that states the scope of the corrections or additions that are necessary.
	83.4 If the Final Account of Works submitted under GCC Sub Clause 83.1 is unsatisfactory even after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a payment certificate.
84. As-built Drawings and Manuals	84.1 If "As Built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the PCC.
	84.2 If the Contractor does not supply the Drawings and/or Manuals by the dates specified in GCC Sub Clause 84.1, or they do not receive the Project Manager's approval, the Project Manager shall withhold a nominal amount specified in the PCC from payments due to the Contractor.
85. Force Majeure	85.1 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind stated below; <ul style="list-style-type: none"> <li>(a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies ;</li> <li>(b) rebellion, terrorism, sabotage by persons other than the Contractor's personnel, revolution, insurrection, military or usurped power, or civil war ;</li> <li>(c) riot, commotion, disorder, strike or lockout by persons</li> </ul>

	<p>other than the Contractor's personnel ;</p> <p>(d) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity ;</p> <p>and</p> <p>(e) natural catastrophes such as fires, floods, epidemics, quarantine restrictions, freight embargoes, cyclone, hurricane, typhoon, tsunami, storm surge, earthquake, hill slides, landslides, and volcanic activities.</p>
86. Notice of Force Majeure	<p>86.1 If a party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice, within fourteen (14) days after the party became aware, to the other party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented.</p>
	<p>86.2 Notwithstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either party to make payments to the other party under the Contract.</p>
87. Consequences of Force Majeure	<p>87.1 If the Contractor is prevented from performing its substantial obligations under the Contract by Force Majeure of which notice has been given under GCC Sub Clause 86, and suffers delay and/or incurs cost by reason of such Force Majeure, the Contractor shall be entitled subject to GCC Sub Clause 93 to:</p> <p>(a) an extension of time for any such delay, if completion is or will be delayed, under GCC Clause 45, and</p> <p>(b) if the event or circumstance is of the kind described sub-paragraphs (a) to (e) of GCC Sub Clause 85.1 occurs in the Country, payment of any such cost, including the costs of rectifying or replacing the Works and Physical services damaged or destructed by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in GCC Clause 37.</p>
	<p>87.2 After receiving notice under GCC Sub Clause 86.1, the Project Manager shall proceed to determine these matters under the provisions of the Contract.</p>
88. Release from Performance	<p>88.1 Notwithstanding any other provision of this Clause, if any event or circumstance outside the control of the parties (including, but not limited to, Force Majeure) arises which makes it impossible or unlawful for either or both parties to fulfil its or their contractual obligations or which, under the law governing the Contract, entitles the parties to be released from further performance of the Contract, then upon notice by either party to the other party of such event or circumstance:</p> <p>(a) the parties shall be discharged from further</p>

	<p>performance, without prejudice to the rights of either party in respect of any previous breach of the Contract, and</p> <p>(b) the sum payable by the Procuring Entity to the Contractor shall be the same as would have been payable under GCC Sub Clause 90.3 if the Contract had been terminated under GCC Sub Clause 89.3.</p>
F. Termination and Settlement of Disputes	
89. Termination	<p>89.1 <u>Termination for Default</u></p> <p>(a) The Procuring Entity or the Contractor, without prejudice to any other remedy for breach of Contract, by giving twenty eight (28) days written notice of default to the other party, may terminate the Contract in whole or in part if the other party causes a fundamental breach of Contract.</p> <p>(b) Fundamental breaches of the Contract shall include, but shall not be limited to, the following:</p> <ul style="list-style-type: none"> <li>(i) the Contractor stops work for twenty-eight (28) days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Project Manager;</li> <li>(ii) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within eighty four ( 84) days;</li> <li>(iii) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;</li> <li>(iv) the Contractor does not maintain a Security, which is required;</li> <li>(v) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of Liquidated Damages can be paid, as specified in GCC Sub Clause 73;</li> <li>(vi) the Contractor has subcontracted the whole of the Works or has assigned the Contract without the required agreement and without the approval of the Project Manager;</li> <li>(vii) the Contractor, in the judgment of the Procuring Entity has engaged in corrupt or fraudulent practices, as defined in GCC Sub Clause 39, in competing for or in executing the Contract.</li> <li>(viii) A payment certified by the Project Manager is not paid by the Procuring Entity to the Contractor within eighty-four (84) days of the date of the Project Manager's certificate.</li> </ul>

	<p><b>89.2 <u>Termination for Insolvency</u></b></p> <p>The Procuring Entity and the Contractor may at any time terminate the Contract by giving twenty eight (28) days written notice to the other party if either of the party becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to any party, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the other party.</p>
	<p><b>89.3 <u>Termination for Convenience</u></b></p> <p>(a) The Procuring Entity, by giving twenty eight (28) days written notice sent to the Contractor, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Entity's convenience, the extent to which performance of the Contractor under the Contract is terminated, and the date upon which such termination becomes effective.</p> <p>(b) The Procuring Entity shall not terminate the contract under GCC Sub Clause 89.3 (a) in order to execute the Works itself or to arrange for the Works to be executed by another contractor or to avoid a termination of the Contract by the Contractor as stated under GCC Sub Clause 89.1(a).</p>
	<p><b>89.4</b> In the event the Procuring Entity terminates the Contract in whole or in part, the Procuring Entity shall accept the portion of the Works that are complete and ready for handing over after the Contractor's receipt of notice of termination of the Contract. For the remaining portion of the Works, the Procuring Entity may elect:</p> <p>(a) to have any portion completed by the Contractor at the Contract terms and prices; and /or</p> <p>(b) to cancel the remainder and pay to the Contractor an agreed amount for partially completed Works and for materials and parts previously procured by the Contractor, or</p> <p>(c) except in the case of termination for convenience as stated under GCC Sub Clause 89.3., engage another Contractor to complete the Works, and in that case the Contractor shall be liable to the Procuring Entity for any cost that may be incurred in excess of the sum that would have been paid to the Contractor, if the work would have been executed and completed by him or her.</p>
	<p><b>89.5</b> If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as is reasonably possible</p>



90. Payment upon Termination	<p>90.1 If the Contract is terminated because of a fundamental breach of Contract under GCC Sub Clause 89.1 by the Contractor, the Project Manager shall issue a certificate for the value of the Works done and Plant and Materials ordered less advance payments received up to the date of the issue of the certificate and less the amount from percentage to apply to the contract value of the works not completed, as indicated in the PCC. If the total amount due to the Procuring Entity exceeds any payment due to the Contractor, the difference shall be a debt payable to the Procuring Entity.</p>
	<p>90.2 If the Contract is terminated for the Procuring Entity's convenience or because of a fundamental breach of Contract by the Procuring Entity, the Project Manager shall issue a payment certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's foreign personnel employed solely on the Works and recruited specifically for the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.</p>
	<p>90.3 If the Contract is terminated for reasons of Force Majeure, the Project Manager shall determine the value of the work done and issue a Payment Certificate which shall include:</p> <ul style="list-style-type: none"> <li>(a) the amounts payable for any work carried out for which unit rates or prices are stated in the Contract;</li> <li>(b) the cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Procuring Entity when paid for by the Procuring Entity, and the Contractor shall place the same at the Procuring Entity's disposal;</li> <li>(c) other costs or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works;</li> <li>(d) the cost of removal of Temporary Works and Contractor's Equipment from the Site; and</li> <li>(e) the cost of repatriation of the Contractor's staff and labour employed wholly in connection with the Works at the date of termination.</li> </ul>
91. Property	<p>91.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Procuring Entity if the Contract is terminated because of the Contractor's default stated under GCC Sub Clause 89.1.</p>
92. Frustration	<p>92.1 If the Contract is frustrated by the occurrence of a situation of Force Majeure as defined in GCC Sub Clause 85, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as</p>

	possible after receiving this certificate and shall be paid for all works carried out before receiving it and for any work carried out afterwards to which a commitment was made.
<b>G. Claims, Disputes and Arbitration</b>	
<b>93. Contractor's Claims</b>	<p>93.1 If the Contractor considers himself to be entitled to any extension of the Completion Time and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give notice to the Procuring Entity, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than twenty eight (28) days after the Contractor became aware, or should have become aware, of the event or circumstance.</p>
	<p>93.2 If the Contractor fails to give notice of a claim within such period of twenty eight (28) days, the Intended Completion Date shall not be extended, the Contractor shall not be entitled to additional payment, and the Procuring Entity shall be discharged from all liability in connection with the claim.</p>
	<p>93.3 Within forty two (42) days after the Contractor became aware or should have become aware of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Project Manager, the Contractor shall send to the Project Manager a fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and/or additional payment claimed, for settlement.</p>
<b>94. Settlement of Disputes</b>	<p style="text-align: center;">Amicable settlement</p> <p>94.1 The procuring Entity and the Contractor shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.</p>
	<p>94.2 Adjudication</p> <p>(a) If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within fourteen (14) days of notification of the Project Manager's decision in writing.</p> <p>(b) The Adjudicator named in the PCC is jointly appointed by the parties. In case of disagreement between the parties, the Appointing Authority designated in the PCC shall appoint the Adjudicator within fourteen (14) days of receipt of a request from either party.</p> <p>(c) The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a</p>

	<p>dispute being referred to it.</p> <p>(d) The Contractor shall make all payments (fees and reimbursable expenses) to the Adjudicator, and the Procuring Entity shall reimburse half of these fees through the regular progress payments.</p> <p>(e) Should the Adjudicator resign or die, or should the Procuring Entity and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract; a new Adjudicator will be jointly appointed by the Procuring Entity and the Contractor. In case of disagreement between the Procuring Entity and the Contractor the Adjudicator shall be designated by the Appointing Authority within fourteen (14) days of receipt of a request from either party as stated under GCC Sub Clause 94.2 (b)</p>
	<p>94.3 Arbitration</p> <p>(a) If the parties are unable to reach a settlement as per GCC Clauses 94.1 and 94.2 within twenty-eight (28) days of the first written correspondence on the matter of disagreement, then either party may give notice to the other party of its intention to commence arbitration in accordance with GCC Sub Clause 97.3(b).</p> <p>(b) The arbitration shall be conducted in accordance with the Arbitration Act (Act No 1 of 2001) of Bangladesh as at present in force and in the place shown in the PCC.</p>

Section 4. Particular Conditions of Contract

<i>Instructions for completing the Particular Conditions of Contract are provided in italics in parenthesis for the relevant GCC Clauses.</i>	
GCC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
GCC 1.1(k)	The Contractor is <i>[Name, address, and name of authorized representative]</i>
GCC 1.1( cc)	The Procuring Entity is Project Director, Bangladesh Economic Zones Development Project (Phase- 1) Address: Bangladesh Economic Zones Authority (BEZA), Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205 Authorized Representative: Project Director, Bangladesh Economic Zones Development Project (Phase- 1)
GCC 1.1( dd)	The Project Manager is Executive Engineer, Bangladesh Economic Zones Development Project (Phase- I) Bangladesh Economic Zones Authority (BEZA), Address: Bangladesh Economic Zones Authority (BEZA), Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205 Authorized Representative: Same as Project Manager
GCC 1.1 ( z)	The initial Contract price is <i>[insert the amount in the NOA]</i>
GCC 1.1( w)	The Intended Completion Date for the whole of the Works shall be 4 (Four) months from the date of Commencement.
GCC 1.1( ff)	The Site is located at Bangabandhu Sheikh Mujib Shilpanagar. Chattogram/Feni.
GCC 1.1( ii)	The Start Date shall be 07 (Seven) days after the Commencement Date
GCC 1.1( mm)	The Works consist of land filling by dredging etc.
GCC 2.5	The Sectional Completion Dates are: None.

GCC 3.1	<p>The Procuring Entity's address for the purpose of communications under this contract is :</p> <p>Contact person: Project Director, Bangladesh Economic Zones Development Project (Phase- I)</p> <p>Bangladesh Economic Zones Authority (BEZA),</p> <p>Address: Monem Business District (Level-12), 111, Bir Uttam C.R. Dutta Road, Dhaka-1205</p> <p><a href="tel:+88029632459">Tel: +880 2 9632459</a></p> <p>Fax:</p> <p>e-mail address: bezaproject1@gmail.com</p>		
	<p>The Contractor's address for the purpose of communications under this contract is :</p> <p>Contact person:</p> <p>Address:</p> <p>Tel:</p> <p>Fax:</p> <p>e-mail address:</p>		
GCC 6.1 (j)	<p>Other documents forming part of the Contract are Environmental Management Plan, Work schedule, Schedule of key personnel, Schedule of equipment, Site inspection report, <i>relevant correspondences prior to signing of the Contract agreement etc.</i></p>		
GCC 9.1	<p>A Contractor or a Subcontractor that is a national of, or registered in, the following countries are not eligible: Israel.</p>		
GCC 9.2	<p>Materials, Equipments, Plants and supplies shall not have their origin in the following countries: Israel.</p>		
GCC 13.1	<p>Possession of the Site or part(s) of the Site, to the Contractor shall be given on the following date(s): 7 days from the date of commencement.</p>		
GCC 19.1	<p>Following Key Personnel to carry out the functions stated in the Schedule shall be employed by the Contractor;</p>		
	<b>No</b>	<b>Position</b>	<b>Total Works Experience (Years)</b>
	1	Project Manager- B.sc in Civil Engineer -1 Person	Min. 15 years.
			<b>Experience in similar works (Years)</b>
			Min. 3 years.

	2	Field Engineer - B.sc in Civil Engineer -1 Person	Min. 10 years.	Min. 3 years.
	3	Site Supervisor – (Diploma –in- Civil Engineer – 1 persons	Min. 5 years.	Min. 3 years.
	4	Surveyor (Certificated in Surveying) -2 Person	Min. 5 years.	Min. 3 years
	5	Helper to Surveyor- SSC-8 Persons	Min. 3 years	Min.1 years
	6	Work Assistant- HSC- 2 Persons	Min. 5 years.	Min. 3 years
	<i>[insert name(s)]</i>			
GCC 21.1	Nominated Subcontractor(s) named below: None.			
GCC 23.1	The Contractual matters between the Procuring Entity and the Contractor shall be decided by <i>the Project Manager</i> .			
GCC 37.1	The minimum insurance cover shall be:			
	(a)	<p>The maximum deductible for insurance of the Works and of Plant and Materials is Tk 10% of contract value.</p> <p>The minimum cover for insurance of the Works and of Plant and Materials is Tk 110% of contract value <i>[state amount]</i>.</p> <p><i>[the amount could be 110% of the value of the works, plant and materials that may be lost in a worst case scenario]</i>.</p>		
	(b)	<p>The minimum cover for loss or damage to Equipment is Tk 110% of contract value.</p> <p>The maximum deductible for insurance of Equipment is <i>[state amount]</i>.</p> <p><i>[the Contractor shall state this amount at the time of Contract signing. Amount could be 5 to 10 %t of the sum insured]</i></p>		
	(c)	<p>The maximum deductible for insurance of other property is Tk <i>[state amount]</i>.</p> <p><i>[the Contractor shall state this amount at the time of Contract signing]</i>.</p> <p>The minimum cover for insurance of other property is Tk 5% of contract value.</p>		

	(d)	<p>The minimum cover for personal injury or death insurance:</p> <p>(i) for the Contractor's employees is Tk 2,00,000 (Two lacs taka only) for each death case And Tk 50,000 (Fifty thousand taka only) for each injury case.</p> <p>(ii) and for third parties is Tk 1,00,000 (One lac taka only) for each death case And Tk 30,000 (Thirty thousand taka only) for each injury case.</p>
GCC 40.1	Commencement Date of Works shall be as follows;	
GCC 42.1	The Contractor shall submit a Programme for the Works within 07 (Seven) days of signing the Contract.	
GCC 42.2	The period between Programme updates is Every 1 (One) Month.	
GCC 42.3	The amount to be withheld for late submission of an updated Programme is BDT 100,000.	
GCC 57.1	The Defects Liability Period is 12 (Twelve) months.	
GCC 66.3	<p>The particulars of the Bank Account nominated are as follows :</p> <p>Title of the Account : [insert title to whom the Contract awarded]</p> <p>Name of the Bank : [insert name with code, if any]</p> <p>Name of the Branch : [insert branch name with code ,if any]</p> <p>Account Number : [insert number]</p> <p>Address : [insert location with district]</p> <p>Tel : </p> <p>Fax : </p> <p>e-mail address : </p> <p><i>[information furnished by the Contractor shall be substantiated by the concerned Bank and authenticated by the Procuring Entity]</i></p>	
GCC 69.1(m)	The following additional events shall also be the Compensation Events: None.	
GCC 71.1	The Contract is not subject to price adjustment.	
GCC 72.1	The proportion of payments to be retained is 5 (five) percent.	

GCC 73.1	<p>The amount of Liquidated Damages or in other words Delay Damages for the uncompleted Works or any part thereof is 0.05 of ONE (1) percent of its Contract price per day of delay.</p> <p><u>Guide to application of GCC Sub Clause 73.1 above</u></p> <p><i>[ Liquidated damages is equivalent to an amount to be determined in accordance with the following formula</i></p> $T_{LD} = V_{UW} \times P \times n$ <p><i>Where;</i></p> <p><math>T_{LD}</math> = Total amount of Liquidated Damages</p> <p><math>V_{UW}</math> = Value of Uncompleted Works (i.e. works not having been completed as of the expiry of the Intended Completion Date plus the works completed after the expiry of the Intended Completion Date). <math>V_{UW}</math> shall be calculated by deducting the value of the completed works under the Contract from the total Contract price</p> <p><math>P</math> = Percent-rate at which the Liquidated Damages shall be imposed for every day of delay</p> <p><math>n</math> = No of days of delay for completion of works under the Contract]</p>
GCC 73.1	<p>The maximum amount of Liquidated Damages for the uncompleted Works or any part thereof is 10 (Ten) percent of the final Contract price of the whole of the Works.</p>
GCC 74.1	<p>The Bonus for the whole of the Works is <i>[insert percentage]</i> percent of the final Contract price per day : Not Applicable.</p> <p>The maximum amount of Bonus for the whole of the Works is <i>[insert percentage]</i> percent of the final Contract price: Not Applicable.</p>
GCC 75.1	<p>The Advance Payment shall not be applicable.</p>
GCC 77.2	<p>The percentage for adjustment of Provisional Sums is None.</p>
GCC 84.1	<p>The date by which “as-built” drawings are required is within 30 days after substantial completion of works.</p> <p>The date by which operating and maintenance manuals are required is within 30 days after substantial completion of works.</p>
GCC 84.2	<p>The amount to be withheld for failing to produce “as-built” drawings and/or operating and maintenance manuals by the date specified in GCC Sub Clause 84.1, the taka 20 (Twenty) lac will be withhold.</p>
GCC 90.1	<p>The percentage to apply to the contract value of the works not completed, representing the Procuring Entity’s additional cost for completing the uncompleted Works, is 20</p>



	percent.
GCC 94.2 (b)	<p>The Adjudicator jointly appointed by the parties is:</p> <p>Name:</p> <p>Address:</p> <p>Tel No:</p> <p>Fax No:</p> <p>e-mail address:</p>
GCC 94.2(b)	In case of disagreement between the parties, the Appointing Authority for the Adjudicator is the President of the Institution of Engineers, Bangladesh.
GCC 94.3 (b)	The arbitration shall be conducted in the place mentioned below: Dhaka, Bangladesh.

## Section 5. Tender and Contract Forms

Form	Title
Tender Forms	
PW3 – 1	Tender Submission Letter
PW3 – 2	Tenderer Information
PW3 – 3	JV Partner Information ( <i>if applicable</i> )
PW3 – 4	Subcontractor Information ( <i>if applicable</i> )
PW3 – 5	Personnel Information
PW3 – 6	Bank Guarantee for Tender Security ( <i>when this option is chosen</i> )
Contract Forms	
PW3 – 7	Notification of Award
PW3 – 8	Contract Agreement
PW3 – 9	Bank Guarantee for Performance Security ( <i>when this option is chosen</i> )
PW3 –10	Bank Guarantee for Advance Payment ( <i>if applicable</i> )
PW3 –11	Bank Guarantee for Retention Money Security ( <i>when this option is chosen</i> )

Forms PW3 -1 to PW3 -6 comprises part of the Tender Format and should be completed as stated in ITT Clauses 24.

Forms PW3 -7 to PW3 -11 comprises part of the Contract as stated in GCC Clause 6.

## Tender Submission Letter (Form PW3-1)

*[The Tenderer must prepare the Tender Submission Letter in its letterhead.]*

*[Note: All italicized text is for use in preparing this form and shall be deleted from the final letter]*

To:

Date:

*[Contact Person]*

*[Name of Procuring Entity]*

*[Address of Procuring Entity]*

Invitation for Tender No:

*[indicate IFT No]*

Tender Package No:

*[indicate Package No]*

This Package is divided into the following Number of Lots

*[indicate number of Lot(s)]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Tender Document, including Addenda issued in accordance with Instructions to Tenderers (ITT) clause 11;
- (b) We offer to execute in conformity with the Tender Document the following Works and Physical Services:  
;
- (c) The total price of our Tender, excluding any discounts offered in item (d) below is:  
;
- (d) The discounts offered and the methodology for their application are:  
;
- (e) Our Tender shall be valid for a period of *[Insert Validity Period as specified in ITT sub-clause 33.1]*\_\_\_\_\_ days from the date fixed for the tender submission deadline in accordance with the Tender Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Tender is accepted, we commit to obtain a Performance Security in accordance with the Tender Document;
- (g) We, including any subcontractors or suppliers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITT sub-clause 5.1;

- (h) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITT sub-clause 5.5;
- (i) We are not participating, as a Tenderer or as a subcontractor, in more than one Tender in this Tendering process in accordance with ITT sub-clause 20.1, other than alternative offers submitted in accordance with ITT clause 26;
- (j) We, our affiliates or subsidiaries, including any of our subcontractors or suppliers for any part of the contract, have not been declared ineligible by the Bank, under the laws of Bangladesh or official regulations or by an act of compliance with a decision of the United Nations Security Council on charges of engaging in corrupt, fraudulent, collusive, coercive or obstructive practices in accordance with ITT sub clause 5.6;
- (k) We confirm that we do not have a record of poor performance as stated in ITT sub clause 5.7, and that we do not have, or have had, any litigation against us, other than that stated in the Tenderer Information (Form PW3-2);
- (l) We are not a government owned entity / We are a government owned entity but meet the requirements of ITT sub clause 5.3;
- (m) We understand that this Tender, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (n) We understand that you are not bound to accept the lowest evaluated Tender or any other Tender that you may receive; and
- (o) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature:	<i>[insert signature of authorised representative of the Tenderer]</i>
Name:	<i>[insert full name of signatory ]</i>
In the capacity of:	<i>[insert capacity of signatory]</i>
Duly authorised to sign the Tender for and on behalf of the Tenderer	<i>[insert the Name of Tenderer]</i>

Attachment 1: *[ITT Sub Clause 40.3,  
Written confirmation authorising the above signatory(ies) to commit the Tenderer]*

*[and, if applicable]*

Attachment 2: *[ITT Sub Clause 29.2(b),  
Copy of the JVCA Agreement / Letter of Intent to form JVCA with draft proposed Agreement]*

Tenderer Information (Form PW3-2)

*[This Form should be completed only by the Tenderer]*

Invitation for Tender No: *[indicate IFT No]*  
 Tender Package No: *[indicate Package No]*  
 This Package is divided into the following Number of Lots: *[indicate number of Lot(s)]*

<b>1. Eligibility Information of the Tenderer [ITT –Clauses 5 &amp; 29]</b>		
1.1	Nationality of individual or country of registration	
1.2	Tenderer's legal title	
1.3	Tenderer's registered address	
1.4	Tenderer's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Others [please describe, if applicable]	
1.5	Tenderer's year of registration	
1.6	Tenderer's authorised representative details	
	Name	
	National ID number	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation [ITT Cause 13]	
	If there is no history of litigation or no pending litigation then state opposite "None". If there is a history of litigation, or a number of awards, against the Tenderer provide	

	details below			
	<u>A. Arbitration Awards made against</u>			
	Year	Matter in dispute	Value of Award	Value of Claim
	<u>B. Arbitration Awards pending</u>			
	Year	Matter in dispute	Value of Claim	
1.8	Tenderer to attach photocopies of the original documents mentioned aside		[All documents required under ITT Clauses 5 and 29]	
The following two information are applicable for National Tenderers				
1.9	Tenderer's Value Added Tax Registration (VAT) Number			
1.10	Tenderer's Tax Identification Number(TIN)			
[The foreign Tenderers, in accordance with ITT Sub Clause 5.1, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]				
<b>2. Qualification Information of the Tenderer [ITT Clause 32]</b>				
2.1	<b>General Experience in Construction Works of Tenderer</b>			
	Start Month Year	End Month Year	Years	Contract No and Name of Contract Name and Address of Procuring Entity Brief description of Works
				Role of Tenderer [Prime/Sub/Management]
2.2	<b>Specific Experience in Construction Works of Tenderer</b>			
	Completed Contracts of similar nature, complexity and methods/construction technology			
	Contract No		[ insert reference no] of [ insert year]	

Name of Contract		[insert name]	
Role in Contract <i>[tick relevant box].</i>		Prime Contractor	Subcontractor Management Contractor
Award date		[insert date]	
Completion date		[insert date]	
Total Contract Value		[insert amount]	
Procuring Entity's Name Address Tel / Fax <u>e-mail</u>  Brief description with justifications of the similarity compared to the Procuring Entity's requirements		[state justification in support of its similarity compared to the proposed works]	
2.3	Average annual construction turnover [ITT Sub Clause 15.1(a)] <i>[amount invoiced to Procuring Entity(s) for each year of works in progress or completed, using rate of exchange at the end of the period reported]</i>		
	Year	Amount & Currency	Taka or Equivalent Taka
2.4	Financial Resources available to meet the construction cash flow [ITT Sub Clause 15.1(b)]		
	No	Source of Financing	Amount Available

In order to confirm the above statements the Tenderer shall submit , as applicable, the documents mentioned in ITT Sub Clause 32.1(a), (b), (c) & (d)			
2.5	Contact Details [ITT Sub Clause 32.1 (g) & (i)]		
	Name, address, and other contact details of Tenderer Bankers and other Procuring Entity(s) that may provide references, if contacted by this Procuring Entity		
2.6	Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management [ITT Sub Clause 32.1(e)]		
	Position Name Years of General Experience	Years of Specific Experience	
<i>[Tenderer to complete details of above. The Tenderer should complete the Personnel Information Form (Form PW3-5)]</i>			
2.7	Major Construction Equipments proposed to carry out the Contract [ITT Sub Clause 32.1(f)]		
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, lessor or seller)
<i>[Tenderer to list details of each item of major construction equipment, as applicable]</i>			



**JVCA Partner Information (Form PW3-3)**

*[This Form should be completed by each JVCA partner].*

Invitation for Tender No: *[indicate IFT No]*  
 Tender Package No *[indicate Package No]*  
 This Package is divided into the following Number of Lots *[indicate number of Lot(s)]*

<b>1. Eligibility Information of the JVCA Partner [ITT –Clauses 5 &amp; 29]</b>		
1.1	Nationality of Individual or country of Registration	
1.2	JVCA Partner's legal title	
1.3	JVCA Partner's registered address	
1.4	JVCA Partner's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe, if applicable)	
1.5	JVCA Partner's year of registration	
1.6	JVCA Partner's authorised representative details	
	Name	
	National ID number	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation [ITT Sub Cause 13]	
	If there is no history of litigation or no pending litigation then state "None". If there is	

	a history of litigation, or a number of awards, against the JVCA Partner provide details below:			
	<u>A. Arbitration Awards made against</u>			
	Year	Matter in dispute	Value of Award	Value of Claim
	<u>B. Arbitration Awards pending</u>			
	Year	Matter in dispute	Value of Claim	
1.8	JVCA Partner to attach copies of the original documents mentioned aside		[All documents required under ITT Clauses 5 and 29]	
The following two information are applicable for national JVCA Partners only				
1.9	JVCA Partner's Value Added Tax Registration (VAT) Number			
1.10	JVCA Partner's Tax Identification Number (TIN)			
<i>[The foreign JVCA Partners, in accordance with ITT Sub Clause 5.1, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]</i>				
<b>2. Key Activity(ies) for which it is intended to be joint ventured [ITT Sub Clause 18.2 &amp; 18.3]</b>				
	Elements of Activity		Brief description of Activity	
<b>3. Qualification Information of the JVCA Partner [ITT Clause 32]</b>				
3.1	<b>General Experience in Construction Works of JVCA Partner</b>			
	Start Month Year	End Month Year	Years	Contract No and & Name of Contract Name and Address of Procuring Entity Brief description of Works
				Role of JVCA Partner [Prime/Sub/Management]

3.2	<b>Specific Experience in Construction Works of JVCA Partner</b> <b>Completed Contracts of similar nature, complexity and methods/construction technology</b>			
	Contract No	[ insert reference no] of [ insert year]		
	Name of Contract	[insert name]		
	Role in Contract [tick relevant box]	Prime Contractor	Subcontractor	Management Contractor
	Award date	[insert date]		
	Completion date	[insert date]		
	Total Contract Amount	[insert amount]		
	Procuring Entity's Name Address Tel / Fax <u>e-mail</u> Brief description with justifications of the similarity compared to the Procuring Entity's requirements	[state justification in support of its similarity compared to the proposed works]		
3.3	<b>Average annual construction turnover [ITT Sub Clause 15.1 (a)]</b> <i>[amount invoiced to Procuring Entity(s) for each year of work in progress or completed, using rate of exchange at the end of the period reported]</i>			
	Year	Amount & Currency	Taka or Equivalent Taka	

3.4	Financial Resources available to meet the construction cash flow [ITT Sub-Clause 15.1(b)]		
	No	Source of financing	Amount available
	In order to confirm the above statements the JVCA Partner shall submit , as applicable, the documents mentioned in ITT Sub Clause 32.1 (a), (b), (c) & (d)		
3.5	Contact Details [ITT Sub Clause 32.1 (g) & (i)]		
	Name, address, and contact details of Tenderer's Bankers and other Procuring Entity(s) that may provide references if contacted by this Procuring Entity		

3.6	Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management [ITT Sub Clause 32.1(e)]		
	Position Name Years of General Experience	Years of Specific Experience	
	<i>[Tenderer to complete details of above. The Tenderer should complete the Personnel Information Form (Form PW3-5)]</i>		
3.7	Major items of Construction Equipment proposed for carrying out the works [ITT Sub-Clause 32.1(f)]		
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, leaser or seller)
<i>[Tenderer to list details of each item of Major equipment, as applicable]</i>			

### Subcontractor Information (Form PW3-4)

*[This Form should be completed by each Subcontractor, preferably on its Letter-Head Pad]*

Invitation for Tender No: *[indicate IFT No]*  
Tender Package No *[indicate Package No]*  
This Package is divided into the following Number of Lots *[indicate number of Lot(s)]*

<b>1. Eligibility Information of the Subcontractor [ITT –Clauses 5 &amp; 29]</b>		
1.1	Nationality of Individual or country of Registration	
1.2	Subcontractor's legal title	
1.3	Subcontractor's registered address	
1.4	Subcontractor's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe)	
1.5	Subcontractor's year of registration	
1.6	Subcontractor's authorised representative details	
	Name	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Subcontractor to attach copies of the following original documents	All documents to the extent relevant to ITT Clause 5 and 29 in support of its qualifications
The following two information are applicable for national Subcontractors		
1.8	Subcontractor's Value Added Tax	

	Registration (VAT) Number	
1.9	Subcontractor's Tax Identification Number(TIN)	
[The foreign Subcontractors , in accordance with ITT sub Clause 5.1, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]		
2. Key Activity(ies) for which it is intended to be Subcontracted [ITT Sub Clause 19.1]		
2.1	Elements of Activity	Brief description of Activity
2.2	List of Similar Contracts in which the proposed Subcontractor had been engaged	
	Name of Contract and Year of Execution  Value of Contract  Name of Procuring Entity  Contact Person and contact details  Type of Work performed	

### Personnel Information (Form PW3-5)

*[To be filled in for each person proposed by the Tenderer on Form PW3-2 & PW3-3, where applicable]*

Invitation for Tender No:	<i>[indicate IFT No]</i>
Tender Package No	<i>[indicate Package No]</i>
This Package is divided into the following Number of Lots	<i>[indicate number of Lot(s)]</i>

<b>A. Proposed Position (tick the relevant box)</b>		
<input type="checkbox"/> Construction Project Manager	<input type="checkbox"/> Prime Candidate	<input type="checkbox"/> Alternative Candidate
<input type="checkbox"/> Key Personnel	<input type="checkbox"/> Prime Candidate	<input type="checkbox"/> Alternative Candidate
<b>B. Personal Data</b>		
Name		
Date of Birth		
Years overall experience		
National ID Number, if applicable		
Years of employment with the Tenderer		
Professional Qualifications: 1. 2. 3. 4.		
<b>C. Present Employment <i>[to be completed only if not employed by the Tenderer]</i></b>		
Name of Employer		
Address of Employer:		
Present Job Title:		
Years with present Employer		

Tel No:		Fax No:	e-mail address:
Contact [ <i>manager/personnel officer</i> ]:			
<b>D. Professional Experience</b>			
Summarise professional experience over the last twenty years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.			
	From	To	Company / Project / Position / Relevant technical and management experience.
1			
2			
3			
4			
5			



Bank Guarantee for Tender Security (Form PW3-6)

*[This is the format for the Tender Security to be issued by a scheduled Bank of Bangladesh in accordance with ITT Clause 35 & 36. All italicized text is for guidance on how to prepare this guarantee and shall be deleted from the final document]]*

Invitation for Tender No:

Date:

Tender Package No:

To:

[Name and address of the Procuring Entity]

TENDER GUARANTEE No:

We have been informed that *[name of Tenderer]* (hereinafter called “the Tenderer”) intends to submit to you its Tender dated *[date of Tender]* (hereinafter called “the Tender”) for the execution of the Works of *[description of works]* under the above Invitation for Tenders (hereinafter called “the IFT”).

Furthermore, we understand that, according to your conditions, the Tender must be supported by a Bank Guarantee for Tender Security.

At the request of the Tenderer, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and words]* upon receipt by us of your first written demand accompanied by a written statement that the Tenderer is in breach of its obligation(s) under the Tender conditions, because the Tenderer:

- a. has withdrawn its Tender after opening of Tenders but within the validity of the Tender Security; or
- b. refused to accept the Notification of Award (NOA); or
- c. failed to furnish Performance Security; or

failed or refused to sign the Contract Agreement

This guarantee will expire

- (a) if the Tenderer is the successful Tenderer, upon our receipt of a copy of the Contract Agreement signed by the Tenderer and the a copy of the Performance Security issued to you in accordance with the ITT; or
- (b) if the Tenderer is not the successful Tenderer, twenty eight (28) days after the expiration of the Tenderer’s Tender validity period.

Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal of Bank and Signature

Sample Notification of Award (Form PW3-7)

Contract No:  
To:

Date:

*[Name of Contractor]*

This is to notify you that your Tender dated *[insert date]* for the execution of the Works for *[name of project/Contract]* for the Contract Price of Tk *[state amount in figures and in words]*, as corrected and modified in accordance with the Instructions to Tenderers, has been approved by *[name of Procuring Entity]*.

You are requested to:

- i. accept in writing the Notification of Award within seven (7) working days of its issuance pursuant to ITT Sub Clause 63.1
- ii. furnish a Performance Security in the form as specified and in the amount of Tk *[state amount in figures and words]*, within fourteen (14) days of acceptance of this Notification of Award but not later than *(specify date)*, in accordance with ITT Clause 65.
- iii. sign the Contract within twenty-eight (28) days of issuance of this Notification of Award but not later than *(specify date)*, in accordance with ITT Sub Clause 69.2.

We attach the draft Contract and all other documents for your perusal and signature.

Signed

Duly authorised to sign for and on behalf of  
*[name of Procuring Entity]*

Date:

Contract Agreement (Form PW3-8)

THIS AGREEMENT made the [day] day of [month] [year] between [name and address of Procuring Entity] (hereinafter called "the Procuring Entity") of the one part and [name and address of Contractor] (hereinafter called "the Contractor") of the other part:

WHEREAS the Procuring Entity invited Tenders for certain works, viz, [brief description of works] and has accepted a Tender by the Contractor for the execution of those works in the sum of Taka [Contract price in figures and in words] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of Contract hereafter referred to.
2. The documents forming the Contract shall be interpreted in the following order of priority:
  - (a) the signed Contract Agreement
  - (b) the Notification of Award
  - (c) the completed Tender and the appendices to the Tender
  - (d) the Particular Conditions of Contract
  - (e) the General Conditions of Contract
  - (f) the Technical Specifications
  - (g) the General Specifications
  - (h) the Drawings
  - (i) the priced Bill of Quantities and the Schedules
  - (j) any other document listed in the PCC forming part of the Contract.
3. In consideration of the payments to be made by the Procuring Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Entity to execute and complete the works and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Bangladesh on the day, month and year first written above.

For the Procuring Entity

For the Contractor

Signature

Name

National ID No.

Title

In the presence

of

Name

Address

Bank Guarantee for Performance Security (Form PW3-9)

*[This is the format for the Performance Security to be issued by a scheduled bank of Bangladesh in accordance with ITT Clause 64, 65, 66 & 67. All italicized text is for guidance on how to prepare this guarantee and shall be deleted from the final document]*

Contract No: [insert reference number]

Date: [insert date]

To:

[ insert Name and address of Procuring  
Entity]

PERFORMANCE GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called “the Contractor”) has undertaken, pursuant to Contract No *[insert reference number of Contract]* dated *[insert date of Contract]* (hereinafter called “the Contract”), the execution of works *[description of works]* under the Contract.

Furthermore, we understand that, according to your conditions, the Contract must be supported by a Bank Guarantee for Performance Security.

At the request of the Contractor, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until *[insert date of validity of guarantee which should be twenty-eight days after the expected completion date; in case of extension of the time of completion, the Procuring Entity would need to get this guarantee extended ]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal of the Bank and Signature

Bank Guarantee for Advance Payment (Form PW3-10)

*[This is the format for the Advance Payment Guarantee to be issued by a scheduled bank of Bangladesh in accordance with GCC Clause 75. All italicized text is for guidance on how to prepare this guarantee and shall be deleted from the final document]]*

Contract No: [insert reference number]

Date: [insert date]

To:

[insert Name and address of the Procuring  
Entity]

ADVANCE PAYMENT GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called “the Contractor”) has undertaken, pursuant to Contract No *[insert reference number of Contract]* dated *[insert date of Contract]* (hereinafter called “the Contract”), the execution of works *[description of works]* under the Contract.

Furthermore, we understand that, according to your Conditions of Contract under GCC Clause 75, the Advance Payment on Contract must be supported by a Bank Guarantee.

At the request of the Contractor, we *[insert name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

We further agree that no change, addition or other modification of the terms of the Contract to be performed, or of any of the Contract documents which may be made between the Procuring Entity and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee is valid until *[insert date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal of the Bank and Signature

Bank Guarantee for Retention Money Security (Form PW3-11)

*[This is the format for the Retention Money Guarantee to be issued by a scheduled bank of Bangladesh in accordance with GCC Sub Clause 72.3. All italicized text is for guidance on how to prepare this guarantee and shall be deleted from the final document]]*

Demand Guarantee

*[Bank's Name, and Address of Issuing Branch or Office]*

Beneficiary: *[insert Name and Address of the Procuring Entity]*

Date: *[insert date]*

RETENTION MONEY GUARANTEE No.: *[insert number]*

We have been informed that *[insert name of Contractor]* (hereinafter called "the Contractor") has entered into Contract Number *[insert reference number of the Contract]* dated *[insert date]* with you, for the execution of *[insert name of Contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the Taking-Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment, payment of Tk. *[insert the amount of the second half of the Retention Money]* which becomes due after the Defects Liability Period has passed and certified in the form of Defects Correction Certificate, is to be made against a Retention Money Guarantee.

At the request of the Contractor, we *[insert name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of Tk. *[insert amount in figures]* (Taka *[insert amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor failed to properly correct the defects duly notified in respect of the Works.

It is a condition for any claim and payment under this guarantee to be made that the payment of the second half of the Retention Money referred to above must have been received by the Contractor on its account number *[insert A/C no]* at *[name and address of Bank]*.

This guarantee is valid until *[insert the date of validity of Guarantee that being twenty eight (28) days beyond the Defects Liability Period]*. Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal of Bank and Signature

## Section 6. Bill of Quantities

### Preamble to Bill of Quantities

1. The complete description for the work items listed in the Bill of Quantities is given in Section-06 of the Bid Documents.
2. The works shall be measured in accordance with the Measurement and Payment Sub-Clauses given at the end of each section of the specifications unless otherwise stated, together with any additional items included in the Bill of Quantities. The rates for these items should include all costs, including work of an ancillary or temporary nature, Test Fees, overheads and profit, required by the Bidder and shall (except insofar as is otherwise provided in the Contract) cover all his obligations under the Contract for the complete construction and maintenance of the works.
3. The quantities shall be computed net. In measuring earthworks no allowance shall be made for temporary batters, working space, shoring, Temporary works or bulking of the soil, shrinkage of fill/settlement under lying soil and the Bidder should make due allowance in his rates.
4. The rates inserted against each item are to include for the provision and operation of all equipment necessary to meet the specifications. The Bidder shall be responsible for supplying the equipment.
5. The Bidder should not assume that equipment will be available from the BEZA and shall allow for obtaining equipment from other sources.
6. If the Bidder fails to enter a price against an item in the Bill of Quantities the amount shall be deemed to be included elsewhere in his rates.
7. The Bidder's attention is drawn to Clauses of the Conditions of Contract, which deal with variations in quantities.
8. No additional item of work of any nature shall be undertaken before a written order by the Engineer has been issued to the Bidder in this respect and a rate agreed. If there is no agreement between the Bidder and the Engineer on the rate, then the Engineer may instruct the Bidder to proceed with the work at a rate fixed by the Engineer.
9. The Bidder is responsible for ensuring the necessary tests and measurements are carried out field and at the laboratory fixed by BEZA in order to ensure that the work complies with the specifications. The Bidder shall give 24 hours notice of each item of work, which is due for testing. Any item of work, which is covered or buried without tests being carried out, may be rejected by the Engineer. Bidder's quoted rate for each item of work shall be inclusive of such test fees.
10. Only materials and work complying fully with all specified requirements shall be eligible for payment under the Contract.

11. Usable materials salvaged from within the site are the property of the BEZA and shall be applied to the works as indicated in the Bill of Quantities.
12. Quantities of earthworks in fill are fixed in respect of the Longitudinal Profile, plan and cross-section. If any change design is made during execution, the changed volume of earthwork will be incorporated keeping the pre-designed survey unchanged.
13. Contractor shall submit a letter along with the tender submission assuring Procuring Entity that they have sourced necessary area/ location for dredging sand from a safe distance as stipulated in the tender documents and received necessary permission from the Concerned Authority for dredging and carrying the sand from the said area to the filling area.



Bill of Quantities  
Name of Works: Site development works in Mirsarai-2A EZ (Section-3A)  
IFT No. 03/2020-21, Package No. : BEZA WD-1309, Lot No. : 01

Item no.	Item Code (if any)	Description of Item	Unit	Quantity	Unit Rate (BDT)		Amount (BDT)	
					In figures	In words	In figures	In words
1	2	3	4	5	6	7=6	8=5x6	9=8
1		Site development/improvement by dredged sand, sandy silt free from any organic, foreign, environmental hazardous substances in/c cost of cutting or by dredging of sand, sandy silt, all; in/c local carrying, placing the sand, sandy silt in the designated area, maintaining slopes, breaking lumps, leveling and dressing in layers up to finished level etc. The rate includes cost of dredging of materials, construction of earthen (soil/sand or any other suitable means) dyke, mobilization and demobilization of dredgers, carrying, laying, joining, shifting, extending and dismantling, floating and shore pipes to prepare pipelines for disposal of dredged materials within the dyke, including river transportation by barge or other means , pumping and all other ancillary costs for dredging. 85% compaction of the maximum dry density is to be obtained by the Modified Proctor test. The measurement is made on the basis of compacted volume. The measurement will be made on the basis of pre and post work of measurement of filling area. The filling Finished Ground Level (FGL) will be checked with respect to Reduced level	Cum	11,81,846				

		(RL) of given FGL. The contractor to commence dredging at least 1 Km away from the coast line towards the sea/river. All required permission from concerned Authority must be obtained prior to start of the work by the contractor. All complete as per the direction of E-I-C.						
2		Construction of Site office as mentioned in bid document	Ls	1				
3		Implementation of Environmental Management Plan as per section-10	Ls	1				
		<b>Total</b>						
<b>In Word (BDT) :</b>								

This Bill of Quantities contains [insert number] corrections duly initialled and signed by the authorised person of the Tenderer

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**Note**

1. It is suggested that the Tenderer uses these sheets of the BOQ in order to avoid any manipulation, distortion and inadvertent mistakes or omissions in course of preparing the Tender by the Tenderer
2. Follow the Guidance notes under Section 6 in filling this Schedule

## **Section 7. General Specifications**

### **Sub-section -A : Technical Specification**

#### **1 GENERAL**

##### **1.1 Description of Works: Description of Work is included in Specifications**

##### **1.2 Programme**

###### **(A) Construction Programme**

(1) Within 7 days of the Notice of Award being issued, the Contractor shall submit to the Engineer for his approval a bar-chart programme showing the sequence in which he proposes to carry out the Works, including the procurement and delivery of equipment and material. He should also submit implementation matrix and CPM as directed by the Engineer.

(2) The Contractor shall, whenever required by the Engineer, also provide in writing of his information a general description of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works.

(3) If at any time it would appear to the Engineer that the actual progress of the works does not conform to the approved programme, the Contractor shall be obliged to produce for the approval of the Engineer, the reasons for any change and a revised programme showing the modifications to the approved programme necessary to complete the works within the scheduled time for completion. The submission to and approval by the Competent Authority of such programme or the furnishing of such particulars shall not relive the Contractor of any of his duties and responsibilities under the Contract.

###### **(B) Notice of Operation**

(1) The Contractor shall give full and complete written notice of all important operations, including setting out, to the Engineer sufficiently in advance to enable the Engineer to make such arrangements as the Engineer may consider necessary for inspection and for any other purpose. The Contractor shall not start any important operation without the written approval of the Engineer.

##### **1.3 Monitoring Progress**

###### **(A) Monthly Reports**

(1) The Contractor shall furnish the Engineer, without cost to the Owner at regular monthly interval and in a form and number of copies determined by the Engineer, with the following:

(a) Physical Progress for the preceding month and estimated progress for the report month;

(b) Completion schedules (target and actual) based on the approved construction programme;

(c) A tabulation of construction equipment, listing the major items and pieces of equipments comprising the Contraction plant which were utilized for performance of the Works during the preceding month;

(d) A tabulation of employees countersigned by the Engineer's Representative, showing the supervisory staff and the numbers of the several classes of labor employed by the contractor in the preceding month;

(e) Any report which may be specifically requested by the owner and/or the Engineer.

###### **(B) Attendance at Site Meetings**

(1) The Contractor shall provide attendance at progress and other meetings on site as requested by the Engineer.

###### **(C) As Built Drawings**

(1) The Contractor shall submit whole sets of as-built drawings of the completed works, one set comprising one negative drawings of high quality reproducible polyester transparent "Mylar" film (or similar material) from which clear copy can be made and three clearly printed drawings, to the owner before the expiration of period of Maintenance.

(2) The as-built drawing shall clearly show the lines and dimensions of the permanent construction actually made based on the change of design from time to time ordered by the Engineer or proposed by the contractor and approved by the Engineer.

(3) The design drawings will be lent to the Contractor upon request by him in not more than 3(three) copies free of charge.

#### 1.4 Contractor's Site Facilities

(A) The Contractor shall be responsible for the provision, maintenance, operation and subsequent removal of the following facilities and services on site at his own expenses:

(B) Temporary stores (including godowns for cement and other perishable materials), warehouse and workshop;

(C) Temporary buildings for office accommodation for his staff;

(D) Living accommodation for his staff outside site limits;

(E) Fencing, Lighting and guarding;

(F) Carnage or other means of off-loading plant and equipment, placing in temporary storage and moving from storage to equipment locations;

(G) Site transport for his staff;

(H) Electric supply for temporary building and tools;

(I) Raw water from site tube-wells and provision of adequate potable water.

(J) The Contractor shall submit for the approval of the Engineer within 7 (seven) days from the detail work order to commence work (commencement date), his detailed plans and/or to commence construction drawings of his temporary buildings, godowns, workshops and labour camp that he proposes to construct or rent, including his proposals for water and power supply and sewage facilities.

(K) The labor camp shall be at a location approved by the Engineer and conform to all of the requirements required by the local law. It shall be laid out and constructed in accordance with a drawing prepared by the Contractor and approved by the Engineer.

(L) The Contractor shall be responsible for acquiring the land he deems necessary at his own expenses for works beyond the owner's land and for his temporary buildings, godown, workshops, staff quarters, labour camp and any temporary access roads. The Contractor shall maintain the Site and all working areas in a safe and sanitary condition and in all matters of health and sanitation shall comply with the requirements of the local medical officer of health or other competent authority.

1.5 SUFFICIENCY OF MEANS EMPLOYED. The Contractor shall have upon himself the full and entire responsibility for the sufficiency of his supervisory and other personnel, plant, machinery, tools or implements, scaffolding, timbering and generally for all means used for the fulfillment of the Contractor. In the event of any of these means proving insufficient, the Contractor is still fully and entirely responsible for the sufficiency of these means notwithstanding any previous approval or recommendation that may have been given by the Engineer.

## 2 Care of Works

2.1 Movement of Plant. The Contractor shall exercise diligence and care in the movement of all plant within the Contract area so as not to cause injury or damage to life or property. The Contractor shall be responsible for restoring any roadway, bridge, culvert etc damaged by his plant to the satisfaction of the Engineer or appropriate Authority.

### 2.2 Keeping Works Free of Water.

(A) The Contractor shall Construct the ring dykes, any cofferdams, temporary bulkheads, watercourses and other works and supply and operate such pumping plant as may be necessary for the construction of the works.

(B) Notwithstanding any approval by the Engineer of the arrangements made for the exclusion of water from the works, the Contractor will be held responsible for the sufficiency thereof and will be liable for keeping the works safe during water fluctuations and floods and shall make good any damage to the works that may be attributable to them at his own expense.

Any loss of production, additional overheads or additional costs of any kind that may result from floods are at the Contractor's risk.

### 2.3 Material on and Under the Site

(A) All Soil, turf, gravel, stone, timber, or other materials obtained in the excavations, clearing of the Site of the works and soil stripping, shall belong to the owner and must not be removed from the works site without the written consent of the Engineer. The Contractor, however, may use for the construction of the works timber felled on the site and any of the materials excavated under the Contract which the Engineer may determine to be fit for such use and shall use such materials if directed by the Engineer. In such case an adjustment of rate of that particular item shall be made in accordance with Boa's guidelines.

## 3 SURVEY WORKS

3.1 System of units. The metric system of units shall be used unless otherwise instructed by the Engineer.

### 3.2 Survey and Datum for Levels

(A) The levels shown on the Drawing are referred to Public works Department (PWD) datum.

(B) Prior to the start of the Works, the Contractor will receive from the Engineer a list of Project bench Marks and their values and reference points on the Site. The Contractor shall be responsible for checking the level of these bench marks prior to their use. Levels shall close within 10 mm multiplied by the square root of the length of the circuit in km. thereafter, the Contractor shall establish all setting out necessary for the performance of the work, to the approval of the Engineer including levels of the original ground surface at the site and final survey of the completed works for the final measurement.

(C) From the centre line and grades established, the Contractor shall furnish and place all additional stakes, templates and bench mark necessary for marking and maintaining points, lines and sections for layout of the works.

(D) The Contractor's methods of recording survey data shall be subject to approval and field books and tabulated data shall be well maintained and made available for inspection and checking by the Engineer when ordered.

(E) Instruments and equipment for surveys shall be subject to rigorous inspection by both the Contractor and the Engineer and any item found to be defective, in the opinion of the Engineer, shall be promptly replaced, repaired or adjusted as directed. All surveying shall be directly supervised by a qualified surveyor or Engineer.

(F) The checking of the setting-out of the Works by the Engineer's staff shall not relieve the Contractor of any of his liabilities or responsibilities under the Contract.

## 4. FABRICATED ITEMS INCORPORATED IN WORKS

4.1 Whenever required by Specification to fabricate or manufacture and furnish equipment for incorporation in the permanent works, the Contractor shall submit to the Engineer for his approval the names of the manufacturers or fabricators he proposes to use and also his detailed shop drawings for approval before proceeding with the work. All such drawings shall be adequately and properly checked before being submitted to the Engineer for approval and shall be so designated.

4.2 Any fabricating or manufacturing undertaken during or before the approval of the drawings will be at the Contractor's risk. The Engineer shall have the right to require the Contractor to make any changes in the design which may be necessary, in the opinion of the Engineer, to make the equipment or component materials conform to the requirements and intent of these Specifications without additional cost to the Employer.

4.3 Approval of the Contractor's drawings shall not be held to relieve the Contractor of any part of his obligation to meet all of the requirements of these Specifications or of the responsibility for the correctness of his drawings. At the time of delivery of the equipment, the Contractor, if requested to do so, shall furnish to the Engineer two complete sets of negatives of the final approved Drawings.

## 5. INSPECTION/TESTS AT FABRICATOR'S WORKSHOP

5.1 All equipment furnished under these specifications and all work performed in connection therewith will be subject to inspection by the Engineer or his authorized agent.

5.2 The Contractor shall notify the Engineer not less than 15 days in advance of the date and place equipment/material will be available for inspection. No equipment or material shall be transported to site until the Engineer's inspection at the manufacturer's plant has been made, the Engineer's approval is given, final drawing have been furnished by the Contractor and the Contractor's responsibility for furnishing equipment and materials meeting the requirements of the Contract Document are complied with; the cost of the Engineer's necessary inspection shall be borne by the Contractor.

## 6. Material and Workmanship

### 6.1 General

(A) Workmanship shall be of the best quality appropriate to each category of work. Materials used in the Works shall be of the best quality of their respective kinds as specified or described in the Contract. All workmanship and materials shall be to the approval and entire satisfaction of the Engineer. The Contractor shall supply copies of orders or sub-contracts placed by him for materials for the Works.

### 6.2 Standards

(A) Any standard or Code of Practice referred to in the Documents relating to the Contract or any other Standard or Code of Practice that may be substituted therefore shall be held to be the latest edition published 3 months prior to the date for submission of Tenders.

(B) All relevant particulars and conditions in Standards relating to the Contract or any other Standard or code of Practice that may be substituted therefore shall be held to be the latest edition published 3 months prior to the last date for submission of Tenders.

(C) All relevant particulars and conditions in Standards relating to standard of material, quality and workmanship shall be complied with and all tests specified shall be conformed to. In cases where no particular specification is given for any article or material to be used under the Contract, the relevant BDS, JIS, ASTM, AASHTO, British Standard or Code of Practice, where one exists, shall apply.

### 6.3 Materials

(A) All materials stored on the site shall be adequately protected against contamination or deterioration.

## 7. MEASUREMENT AND PAYMENT:

### 7.1 Introduction

(A) The Contractor's attention is drawn to the Conditions of Contract, Technical Specifications and Contract Drawings, which are to be read in conjunction with the schedule of Rates.

(B) The Contractor shall have been deemed to have taken full account of all information contained in the Tender Documents and made available during the tender period as affects, inter alia, working methods, haulage requirements and sequence of operations and have made full allowance for the same in the rates and sums entered against the various items in the Schedule of Rates.

(C) The specified measurement and payment clauses shall apply to any additional or varied work which the Contractor may be required to execute under the Contract except where specifically varied therein.

7.2 Quantities. The quantities given in the Schedule of Rates are estimated and provisional, and are given to provide a common basis for bidding and the Owner does not expressly not by implication agree that the actual volume of work to be performed will correspond therewith. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Engineer (based on as-built drawing) and valued at the rates and prices tendered in the priced Schedule of Rates, where applicable, or otherwise at such rates and prices as (in case of

non-tendered/non-scheduled items) the Competent Authority may fix within the terms of the contract.

### 7.3 Rates and Sums

(A) Notwithstanding any limits which may be implied by the working of the individual items and or the explanations in this section,

(B) it is to be clearly understood by the contractor that the rate the quotes in the Schedule of Rates is to be for the work finished complete in every respect; he will be deemed to have taken full account of all requirements and obligations, whether expressed or implied, covered by all parts of this Contract. The rate must therefore include for all incidental and contingent expenses (including all taxes) and risks of every kind necessary to construct, complete and maintain the whole of the works in accordance with the Contract. Full allowance is to be made in the quoted rate in the Schedule of rate for all costs involved in the following, inter alia, which are referred to and/or specified herein:

- (1) all setting out and survey works;
- (2) temporary access unless separately billed, fencing, guarding, lighting, and all temporary works, including their removal on completion;
- (3) paying fees and giving notices to Authorities;
- (4) reinstatement of the Site;
- (5) safety precautions and all measures to prevent and suppress fire and other hazards;
- (6) interference to the works by persons or vehicles being legitimate users of the facilities on or in the vicinity of the Site;
- (7) the protection and safety of adjacent structures in so far as they may be affected by the Works or Temporary works;
- (8) Supplying, maintaining and removing on completion the Contractor's own housing for staff and labour, offices, workshop, plant yard, transport, welfare, services in connection other with and other facilities required by the Contractor unless separately billed;
- (9) Working in the dry except where otherwise permitted by the Specification;
- (10) The supply, inspection and testing of materials intended for use in the works including the provision and use of equipment;
- (11) Maintaining public roads and footpaths and maintaining access upon existing roads or recognized routes;
- (12) Maintaining public roads opening quarries and borrow pits, including all survey, site investigations, removal and disposal of overburden, trimming of quarry or borrow pit faces and floors and all measures necessary to render quarries or pits safe and free draining on completion;
- (13) Providing, transporting to site, setting work, operating (including all fuel and consumable stores), maintaining and removal from the site upon completion all construction plant and equipment necessary for the execution of the work and including the cost of all test and other requirements in respect of such plant and equipment;
- (14) The requirements and all incidental costs and expenses involved in the provision of all necessary skilled and unskilled labor and supervision;
- (15) Protecting Completed work from following operations, making good damage to completed work due to any cause whatsoever, for clearing away rubbish as it accumulates and leaving the site in a tidy condition;
- (16) All cost associated with the provision and submission of progress Reports, record photographs, preparation of the necessary shop and working drawings etc. except for those provided in the Schedule of Rates.
- (17) Workmen's compensation and Owner's liability insurance.

7.4 Breakdown/Analysis of Rate. The Contractor shall, when directed by the Engineer, submit detail breakdown for the rate entered in the Schedule of Rates for composite units of work into their component elements in such detail as may be required by the Engineer in accordance with the provisions laid down in the tender/bidding document.

7.5 Method of Measurement. In general the Schedule of rates has been drawn up in accordance with the standard method of measurement of Civil Engineering rate currently used. Any clarification regarding Schedule of Rates, Method of Measurement and payment shall be judged by the Engineer .

7.6 Method of Payment

(A) The works as executed complying Drawings and Instructions of the Engineer will be measured for payment in accordance with the method adopted in the Schedule of Rates and the item therein set forth notwithstanding any custom to the contrary. The net quantity of the finished work in place will always be taken except where otherwise specified.

(B) Payment of Royalties for fill material obtained from privately owned land shall be at the contract rates. The volume of borrow material for payment of royalties mentioning specific chainages in the Measurement Book shall be calculated on the basis of pre-Work and post work measurements. Finished section as per drawing will be the basis for post work measurement while the work complete as per specification.

(C) For execution of earth works on payment of royalties, specific order mentioning chainages and quantity (based on pre-work survey) shall be obtained by the contractor from the Engineer prior to the execution of such work.

(D) Payment shall mean gross payable amount on the approved contract rates including retention money.

(E) No direct payment shall be made for works required under other clauses: the cost for such works shall be deemed to be included in related items of Schedule of Rates.

(F) Final payment after defect liability period will be made on the basis of net quantity measured with respect to given Finished Ground Level (FGL).

8. SITE PREPARATION

8.1 Commencement. The Contractor shall give the Engineer at least seven days written notice of his intention to commence work on any part of the Site. Works shall not be commenced until written approval has been received by the Contractor from the Engineer.

8.2 Drawings. The works are to be constructed in accordance with the Drawings and as directed by the Engineer. It may become necessary or desirable, during the progress of the work to change the slopes or dimensions. Whenever this occurs, the Contractor shall perform the required work to the revised slopes and dimensions in accordance with the written instruction of the engineer.

8.3 Setting Out

(A) Prior to the commencement of the Works, the Contractor shall study the Drawings and fully understand all the aspects of the work and correlate the same with the dimensions shown in the structural drawings, and shall fix up the alignment, set the B.M pillars, levels, pegs etc.

(B) Before works are permitted to commence, channel invert levels and alignment of the bed and top of side slopes and embankment toe and crest levels and alignment shall be accurately set out at every 100 meter for new and 150 meter for old works and at bends to the satisfaction of the Engineer.

(C) Cutting or filling charts, prepared by the Engineer, will be given to the Contractor to sign as a token of his agreement.

9. NOTICE OF COMMENCEMENT.

The Contractor shall give to the Engineer notice of his intention to commence the sand filling work . The works shall not be commenced until written approval has been received from the Engineer.

10. FILLING BY DREDGING

10.1 Land filling shall include filling within the acquired area according to lines and levels shown on the Drawings or as directed by the Engineer. The type of soil to be used for filling shall be only limited to sand sourced from Bay of Bengal or sandy materials as approved by the



Engineer. The contractor can use dredging equipment for this purpose. The materials for filling shall not contain any stumps, brush, weeds, roots, clods and any matter that may decay.

10.2 Not less than seven (7) days before he intends to commence the works, the Contractor shall submit to the Engineer for his approval the details of his proposed method of obtaining fill materials. The Contractor shall not commence any work necessary for furnishing the materials until the Engineer's approval has been obtained.

10.3 The entire ground surface to be under fill area shall be scarified or ploughed thoroughly and be compacted to meet requirements as specified by these Specifications. This operation shall commence only after the completion of stripping as specified .

10.4 The worksite or filling area will be divided into small regular sections such as square or rectangular section of 10m x 10m or 3m x 5m or any other suitable dimension. Each sectional area is then multiplied by the average of corner ordinates or reduced levels (RL) of that section taken from pre-work contour levels and add the whole volume. This volume is termed as volume reference to zero (o) level. The square or rectangular sections at slope will be adjusted mutually to take into account the shape of the slope. Then the total sectional area is multiplied by the post-work level (average level after filling) of the filled area. The difference between post work and pre work volume is the actual filled volume of site or filling area

10.5 Tentative of dyke should have a trapezoidal with 1:2 slope and average height may be around 3.5 metre. However, the section is subjected to change considering ground situation during execution of work.

10.6 Payment:

The contractor will receive payment only for compacted filling volume.

### **Sub-section-B: Supplementary Information**

#### **1. TENDER DRAWINGS**

1.1 All the drawing of works is enclosed in separate Volume as listed in the Section 7 of the Tender Documents. Final drawings may be delivered to the Contractor prior to the commencement of the works before "Work Programme be submitted".

#### **2. FINAL DRAWINGS**

2.1 Drawings attached to the Tender Documents (hereinafter referred to as "Tender Drawings") accompany and form part of the Contract Documents. In addition to the Tender Drawings, Final Drawings may also be delivered by the Engineer to the Contractor for execution of work and such drawings shall thereupon become part of the Contract.

2.2 During the progress of the work, Drawings that will be issued by the Engineer prior to commencement of the Works and as necessity arises to supplement and/or supersede the Tender Drawings.

2.3 The Contractor shall scrutinise such drawings as issued from time to time to the Contractor. If any ambiguity, discrepancy or mistake is found in the drawings, the same shall be referred to the Engineer before proceeding with the works, and the Engineer's decision on resolving such ambiguity, discrepancy or mistake shall be final, conclusive and binding.

#### **3. DRAWINGS AND CALCULATIONS TO BE FURNISHED BY THE CONTRACTOR**

3.1 The Contractor shall at his own expense prepare detailed Construction Drawings of the individual works (hereinafter referred to as "Construction Drawings") based on the Tender Drawings and the Final Drawings as needed for performance of the works. All Construction Drawings prepared by the Contractor shall be submitted to the Engineer for his approval. The drawings submitted by the Contractor shall be clear and complete. In addition to the above, the

Contractor shall at his own expense prepare reinforcement drawings as needed for the performance of the works and shall be submitted to the Engineer for approval.

3.2 Fabrication, manufacture or construction of any part of the works shall not commence until the drawings have been approved and no change shall be made to any drawings so approved. If any changes needed during construction shall be informed by sending another set of revised drawing.

#### 4. RIGHT TO CHANGE DESIGN AND DRAWINGS

4.1 When additional information regarding foundation conditions become available as a result of excavation work and further testing, and if found desirable to make changes in the alignment, cross-sections, dimensions or design to conform to such conditions, the Employer/Engineer reserves the right to make the necessary or desirable changes to the opinion of the Engineer.

#### 5. "AS-BUILT" DRAWINGS

5.1 The Contractor shall submit three (3) sets of printed "As-Built" Drawings of the completed Works along with two (2) sets of CD to the Employer before the expiration of Defect Liability Period.

5.2 The "As-Built" Drawings shall clearly show the lines and dimensions of the permanent construction actually made based on the original design and/or change of design from time to time ordered by the Engineer or proposed by the Contractor and approved by the Engineer.

#### 6. MEASUREMENT AND PAYMENT

6.1 All costs including Contractor's margin, overhead, taxes, etc, incurred by the Contractor to provide and submit "As-Built" Drawings shall be deemed to be included .

#### 7. SETTING-OUT AND SURVEY OF THE WORKS

7.1 The Contractor shall re-survey the Base Lines, Traverse Points, Bench Marks and confirm the co-ordinates and levels of the Stations before using them for setting out the Works. The Contractor shall immediately notify the Engineer of any discrepancies and shall agree with the Engineer any amended values to be used in the Contract, including replacement of any Stations missing from the original location.

7.2 The Contractor shall employ well-qualified and experienced surveyors for the execution of survey and setting-out works.

7.3 The Contractor shall be responsible for the setting-out centre-lines, longitudinal and cross sections of the ground, and position of the structures in accordance with the drawings. Before commencing the works for Cross Bars, protective works etc, the Contractor shall carry out topo- survey / bathymetric survey of all works and take levels for longitudinal profile and cross sections along the routes/locations in which the works are to be executed out at his own expenses. The Contractor shall use benchmarks approved by the Engineer for such survey works.

7.4 Along structures, embankments, or combination thereof, the Contractor shall install temporary benchmarks at intervals of 500m (by considering 300mm x 300mm RCC pillar and marked RL at their crest). Ground levels shall be taken jointly by the contractor and the Engineer's representative both prior to commencing and after completion of earth works.

7.5 The Contractor shall carry out engineering survey and draw the planned cross section for all protective works as below:

(A) Longitudinal section

(B) Cross-sections at an interval not exceeding 50 m or as specified by the Engineer before and after the execution of the Works. The formation level shall be taken as reference while cross-sections shall cover at least a width as necessary for the Works to be constructed, including related earth works.

7.6 All field-books, calculations, maps, etc. of the survey activities shall be handed over to the Engineer, immediately after the completion of the survey. All field data, derived from the survey activities, entered in the field-books, shall also be entered into EXCEL spreadsheet or a

compatible spreadsheet in a format approved by the Engineer. The data shall be submitted on a CD.

#### 8. LAYOUTS AND SCHEDULES PROVISIONAL

8.1 The locations, levels and dimensions as shown on the Drawings or given in the design data or structure schedules are subject to amendment. The Contractor will be required to undertake surveys for confirmation of alignment and levels of embankments, cross bar, bank protection works as detailed in this Section of the Document. Details of any such amendment or confirmation of the original design will be given by the Engineer or the Engineer's Representative during the course of construction.

#### 9. SUPPLIERS OF MATERIALS

9.1 Before ordering a material for any description intended for the Works, the Contractor shall submit the name of the maker or supplier proposed and details of the place of origin and specification of the material to the Engineer for approval. If requested by Engineer, the Contractor shall supply a copy of any such order place. The Contractor shall make necessary arrangements (e.g. jetty) at the construction side where needed for loading&unloading of his equipment, materials etc.

#### 10. NATURAL MATERIALS

10.1 The Contractor shall make all arrangements for locating, selecting and processing natural materials to comply with the Specification and shall submit to the Engineer for approval with full information regarding the proposed location well in advance of commencement of working of the materials. Approval of a source does not imply that all material in that source is approved.

#### 11. DISRUPTION OF LOCAL COMMUNITIES

11.1 The Contractor shall take all measures necessary to avoid nuisance and disruption to local communities. In particular the Contractor shall ensure no damage is done to existing road, standing crops, pasture or woodland. Trees etc. and that the Contractor's operations do not cause flooding or pollution hazards.

#### 12. DELAY AND INCREASED COSTS DUE TO FLOODS, WASH-OUT OF ROADS OR IMPASSABLE ROADS

12.1 Notwithstanding Clause 45.1 of the General Conditions of Contract no extension of time or increase in the Contract Rates shall be granted to the Contractor if he is delayed or impeded in the completion of the Works or involved in additional costs by flood, cyclone, high river water levels, wash-out of roads or tracks or impassable roads.

#### 13. TEMPORARY WORKS

13.1 Not less than fourteen days before commencing any portion of the Works, the Contractor, if ordered, shall submit to the Engineer for his approval complete drawings of all Temporary Works the Contractor may require for the construction of that part of the Works.

13.2 Notwithstanding approval by the Engineer of any design for the Temporary Works the Contractor shall be entirely responsible for their efficiency, security and maintenance and for all obligations and risks in regard to such temporary Works which are specified or implied in the Contract

#### 14. NOTICE OF OPERATION

14.1 The Contractor shall give full and complete written notice of all important operations, including setting out, to the Engineer sufficiently in advance to enable the Engineer to make such arrangements as the Engineer may consider necessary for inspection and for any other purpose. The Contractor shall not start any important operation without the written approval of the Engineer/Project Director.

#### 15. SUPPLY OF FUEL/LUBRICANT

15.1 The Contractor shall be responsible for arranging and ensuring that adequate supplies of High Speed Diesel (HSD), motor spirits, kerosene, lubricants and other petroleum produces are available at all times to meet his requirements for the purposes of or in connection with the

contract; the Contractor's particular attention is drawn to this requirements as from time to time shortages and interruptions in the supply of fuel oils, etc occur in the region.

#### 16. ENGINEER'S REQUIREMENTS

16.1 The Contractor shall be responsible for construct and maintenance of site office for the employer and engineers including all necessary facilities during execution of the work.

16.2 All costs including Contractor's margin, overhead, taxes etc, incurred by the Contractor to provide, construct, supply, fabricate, erect, install in accordance with the specifications mentioned elsewhere, shall be deemed to be included in the rates/price quoted in the Bill of Quantities of the respective items. All facilities shall be ready for occupation by the Engineer within one month after receiving the instruction.

16.3 If the Contractor fails to provide this service the Engineer shall be entitled to withhold the issue of Payment Certificate until the service is resumed.

#### 17. ASSISTANCE TO ENGINEER'S STAFF

17.1 The Contractor shall render all necessary assistance to the Engineer's staff and shall provide for checking the Contractor's setting-out and the measurement of the Works.

17.2 The Contractor shall provide such full time or part time surveyors as may be required. The cost of all laborers, surveyors, survey equipment and tools, for checking the setting-out and the measurement of the Works shall be covered by the Contractor's expense and no separate payment shall be made thereof.

#### 18. CONSTRUCTION PROGRAMME

18.1 Within fifteen (15) days from the date of signing the Contract Agreement, the Contractor shall submit to the Engineer for approval a complete and practicable construction programme showing the orderly performance of the Works. The Construction Programme shall show in detail the proposed method of operations, including purchase and delivery of materials and equipment, as well as the construction. The Construction Programme shall show in a bar chart each major item of the Works on separate horizontal lines, sequence of operation and the period required for the completion of each activity. The Construction Programme shall when approved by the Engineer become a part of the Contract.

18.2 The construction programmes shall include the followings:

(A) Statement giving the numbers and categories of supervisory and technical staff and skilled/unskilled labor to be employed on the Works;

(B) List and type/details of Contractor's Equipment (including vehicles) which the Contractor proposes to employ on the Works stating whether they are to be acquired from inside or outside Bangladesh including schedule dates for order and delivery;

(C) List detailing the purchase and delivery of materials and Plant from both inside and outside Bangladesh;

(D) Details of the Contractor's methods of working for all operations including construction by sequence. The programme shall also indicate the proposed temporary flow diversions illustrating the sequence of various critical stages of construction;

(E) Statement and outline layout giving the proposals for location or locations and sizes of constructional camps, accommodation, offices, workshops and stores at the Site; and details of the programme for the construction of the works from the date of receipt of the Notice to Commence, including a complete resource allocation showing the number of units and allotted times for each unit of Contractor's Equipment, Plant, materials and labor allocated for each part of the works.

(F) The construction programme shall be reviewed and revised if necessary at intervals mentioned in this document.

19. 19.1 No separate payment shall be made to the Contractor for complying with this Sub-Clause.

#### 20. REPORTS, MEETINGS AND DATA OF THE WORKS

20.1 Monthly Report. The Contractor shall furnish Monthly Report to the Engineer, at the Contractor's own costs, at regular monthly interval and in a form and number of copies determined by the Engineer, with the followings:

(A) Physical progress for the preceding month and estimated progress for the reporting month;

(B) Completion schedules (target and actual) based on the approved Construction Programme;

(C) At a bulation of construction equipment, listing the major items and pieces of equipment which were utilized for performance of the Works during the preceding month;

(D) Tabulation of employees, showing the supervisory staff and the numbers of several classes of labourers employed by the Contractor in the preceding month; report covering the Plant and materials furnished by the Contractor for the Works; and

(E) Any report which may be specifically asked for by the Employer and/or the Engineer.

20.2 Site/Work Meetings. The Contractor shall attend all the Site/Work Meetings whenever called by the Engineer.

20.3 Photographs and Videos. The Contractor shall make all arrangements to provide photographs in albums, but not pasted, showing the work progress and shall promptly supply one electronic copy and four printed copies of such photographs of 4R size, of such portions of the works in progress and/or completed as may be directed by the Engineer. Each print shall contain on its back the date and title of the view taken. The Contractor shall also take Videos of work sequences time to time and supply the same in a CD.

#### 20.4 AUDITS BY THE EMPLOYER

(A) The Contractor shall note that the Employer shall be entitled at its discretion to conduct audits in respect to:

(a) (1) Costs incurred in the event of termination; and any other costs that the Contractor claims from the Employer which are not specifically covered by the terms of the Contract.

(B) The Contractor shall be obliged to keep accurate up-to-date accounts with records concerning the above items.

#### 20.5 Measurement and Payment.

(A) No separate payment shall be made for preparation of all documents, correspondence, returns and reports etc., to be prepared by the Contractor and submitted to the Engineer and/or the Employer in accordance with the provisions of the Contract.

(B) All costs including Contractor's margin, overhead, taxes, etc, incurred by the Contractor shall be deemed to be included in the unit rate of the Bill of Quantities.

#### 21. SAFETY MEASURES AND PUBLIC CONVENIENCE

21.1 The Contractor shall provide necessary protection for all persons and properties at all times. The Contractor shall comply with the stipulations of the safe construction methods specified in the "Safety Manual", to the extent that such provisions do not conflict with the applicable laws of Bangladesh. The Contractor shall take all necessary measures to protect the work and prevent accidents during the construction. He shall provide and maintain sufficient night-lights, barricades, guards, temporary sidewalks, temporary bridges, danger signals, watchmen and necessary alliances and safeguards to properly protect life and property. He shall also protect all excavations, equipment and materials so that the public are not be endangered.

21.2 No separate payment shall be made to the Contractor in complying with the provisions of this Sub-Clause.

#### 22. PRECAUTIONS

22.1 The Contractor is to execute the Works in such a manner that he does not damage or interfere with existing services which are located in proximity to the Site. The Contractor shall be responsible for any damage or interference which may be caused to these services due to

execution of the Works and shall carry out all necessary repairs at his own expense and to the satisfaction of the Engineer.

22.2 No excavating machines shall be used in the immediate surroundings of cables and/or pipe- lines, unless approved by the Engineer.

22.3 Temporary Works which have to be made in the surroundings of the system during the execution of works, shall be maintained by the Contractor and shall be removed as soon as practicable.

## 23. INTERFERENCE WITH EXISTING WORKS

23.1 The Contractor shall not interfere in any way with any existing works whether they are the property of the Employer or of a third party and whether the position of such works is indicated to the Contractor by the Engineer or not, except where such interference is specifically described as part of the Works either in the Contract or in the Engineer's instructions.

23.2 The Contractor shall at his own expense provide and erect to the approval of the Engineer such supports as may be required to protect efficiently all structures or works which may be endangered by the execution of the Works and he shall remove such supports on completion of the Works or otherwise take such permanent measures as may be required by the Engineer to protect the structures or works.

## 24. SIGNBOARD

24.1 The Contractor shall erect a Signboard of a size of not less than 2m by 3m at work site. The signboard shall be erected at a suitable place prior to the commencement of the work and to be maintained in good condition during the whole contract period. All information on the Sign board will be written in English and Bengali. Each Sign board shall show the following:

(A) The name of the Project

(B) The name of the Employer

(C) All other details of the Contract or as directed by the Engineer No separate payment shall be made for the provision of the Signboard.

## 25. CLEAN UP THE SITE

25.1 Prior to the issue of the latest Defect Liability Certificate by the Employer the Contractor shall remove from the Site all plant and equipment, tools, rubbish, concrete forms, boulders, bricks and other materials not incorporated in the permanent works.

25.2 No separate payment shall be made to the Contractor for complying with the provisions of this Sub-Clause.

## 26. CONTRACTOR'S OFFICES, WORKSHOPS, ACCOMMODATIONS, LABORATORY ETC.

26.1 The Contractor shall be responsible for the land he deems necessary for his offices, stores, warehouse, motor pool, laboratory, workshops, pre-cast concrete factory, staff quarters and labour camp. Separate accommodation and toilet facilities to be kept for male and female workers. The Contractor shall be also responsible for construction, maintenance, operation of such temporary facilities as his office, stores, warehouse, motor pool, laboratory, workshops, pre-cast concrete factory, staff quarters and labourer camps including feeding and accommodation. These facilities shall be equipped with adequate electricity and potable water supplies. Bangladesh labour law would be strictly followed in administering the workers (labours). The Contractor shall also keep sufficient first aid kit and preventive medicines of viral and water borne diseases.

26.2 The Contractor shall submit for approval of the Engineer within fourteen (14) days from the date of the Notice to Commence his detailed plan and/or construction drawings of his offices, stores, warehouse, motor pool, workshops, pre-cast concrete factory, staff quarters, labourer camps and field laboratory that he proposes to construct or rent, including his proposals for water and power supply and sewage facilities and Inspection Sheds. All buildings and facilities shall conform to the Employer's standards.

26.3 Beyond the space as mentioned above, arranging of land that deemed necessary in fulfilment the obligations under this Clause shall be the full responsibilities of the Contractor.

26.4 All costs including Contractor's margin, overhead, taxes, etc, incurred by the Contractor in complying with requirements of this Clause shall be deemed to be included in the lump sum price of Contractor's facilities of the Bill of Quantities (Item No.1.02). Payment for this item shall be made on pro-rata basis depending upon the total progress accomplished.

27. QUALITY ASSURANCE PLAN

27.1 The Contractor shall within twenty-eight (28) days from the date of the Notice to Commence submit a Quality Assurance Plan. The plan shall include testing schedules, list of material sources, quality control procedures and other items as required by the Engineer. The Contractor shall implement the quality control procedures in compliance with the approved Quality Assurance Plan.

27.2 The Contractor shall also provide testing equipment and apparatus and furnish all testing staff, labours and consumable necessary for carrying out his testing. All the costs incurred in operation of testing shall also be borne by the Contractor.

27.3 The Contractor shall when requested by the Engineer or the Engineer's Representative carry out any test.

28. STANDARDS AND SUPPLEMENTAL SPECIFICATIONS

28.1 Unless otherwise stated in the Contract, all workmanship, materials, and equipment shall comply with the relevant American, British and Bangladesh Standard viz. AASHTO, ACI, AISC, ASTM, AWSA WWA, BSI, DIN, DNA, ISO, and SSPC, U.S. Fed. Spec and USBR

28.2 Wherever reference is made in the Contract to specific standards and codes to be met by the materials, Plant, and other supplies to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the contract.

29. SANITATION

29.1 The Contractor is to arrange for a high standard of sanitation to be maintained throughout the Camp and the Work sites. He shall construct and maintain at his own cost a system of surface drainage and waste disposal. Sanitary conveniences for the use of persons employed in the works shall be provided and maintained by the Contractor in accordance with the appropriate laws and regulations in force in Bangladesh to the extent and in such a manner and at such places as may be approved by the Engineer, and all persons connected with the works shall be obliged to use them.

30. MEDICAL ARRANGEMENTS AND FIRST-AID FACILITIES

30.1 The Contractor shall make arrangements according to the regulations in force in Bangladesh for treatment on the site of casualties and sick persons. The Contractor shall make his own arrangements for treatment of casualties on the Site in such first-aid units as may be thought necessary.

30.2 In addition, the Contractor shall manage and operate appropriate ambulances for the transportation of injured or sick employees to nearby hospitals. This facility shall be available for the Employer's, Engineer's, Subcontractors' and Contractor's personnel and workmen.

30.3 No separate payment shall be made for this provision.

31. CONSTRUCTION AND MAINTENANCE OF TEMPORARY ACCESS ROAD

31.1 The Contractor shall construct and maintain the temporary access roads including temporary access bridges necessary for construction of the Works and transportation of the materials. The Contractor shall also pay compensation to the owner(s) if he constructs the temporary access roads on a privately owned land.

31.2 The public and village roads may also be used as temporary access road. The Contractor shall maintain and repair them to the satisfaction of the authorities concerned.

31.2 The Contractor shall facilitate the use of such roads for other contractors of the Project and public in a friendly co-operative manner without maintenance of the roads required by them.

32. ENVIRONMENTAL MITIGATION WORKS

32.1 The Environment is defined to mean surrounding area including human and natural resources to be affected by execution and completion of Works.

32.2 The Contractor shall take all precautions for safeguarding the environment during the course of the construction of the Works. The Contractor shall fully comply with the environmental protection mitigation measures specified in the related EIA Guidelines published by the Ministry of Environment and Forests, of Government of Bangladesh.

32.3 The Contractor shall prohibit employees from unauthorized use of explosives, poaching wildlife and cutting trees. The Contractor shall be responsible for the action of his employees. The Contractor shall plan his works in such a way that there is no spillage of petroleum products to the surface or sub-surface water. The Contractor shall provide requisite devices in all his equipment and machineries to diminish carbon dioxide coming out during operation of the equipment and machineries.

### 33. PERMITS, LICENSES OR APPROVALS:

33.1 The Contractor shall, in performing the Contract, comply with the applicable Laws of Bangladesh. The Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licenses and approvals, as required by the applicable Laws in relation to the execution and completion of the Works and the remedying of any defects.

33.2 Contractor shall be allowed to re-export, out of Bangladesh, his equipment, including essential spare parts therefore, and any material imported by the Contractor for the sole purpose of executing the Contract, on completion of the contract. If the Contractor wishes to dispose them of locally, subject to the local laws, BEZA shall be given first preference to purchase at the negotiated price. Import and re-export of equipment, including essential spare parts will be subject to applicable laws of National Board of Revenue (NBR).

### 34. ENGINEER'S SITE FACILITIES

34.1 The Contractor shall be responsible for the provision, maintenance and operation of the following facilities and services for Engineer.

In addition to the office space required for his own use, the Contractor shall provide and maintain Field Office with toilet facilities, furniture and office equipment for the use of the Engineer and his staff.

Field Office for the Engineer shall mean a building having a minimum 15 square meter net clear internal floor area exclusive of walls and partitions, staircase and toilet and have number of rooms as required by the Engineer. It shall be constructed in 250mm thick brick wall in appropriate cement mortar with C.I. sheet roofing and a protective ceiling made of hard board and timber to the satisfaction of the Engineer. The floor shall be 75mm thick lean concrete with 30mm thick mortar on the top with a neat cement finish to give a smooth look. The foundation of this building shall be sound to the satisfaction of the Engineer. The building shall have required number of doors and windows. Uninterrupted power supply facility, if necessary, shall be made available by means of arranging a stand-by generator.

Access road to the Field Office, sufficient parking accommodation and hard standing sheds for vehicles along with boundary fencing shall be constructed by the Contractor.

The Contractor shall provide, for each office, one office table and four chairs of standard, approved by the Engineer. Safety helmets in adequate numbers be always made available for use of the staff and the visitors.

Offices shall be maintained watertight and shall be provided with ventilation. All doors shall be fitted with approved locks. Windows shall be provided with separate screens and blinds and shall have interior locking devices too.

All offices, complete with furnishings, fittings, access roads and hard standings, shall be ready, for occupation by the Engineer within four weeks of the date when the Contractor first occupies the Site.

All offices shall be regularly and properly cleaned as long as they are in use.

All access roads and hard standings shall be maintained in a convenient trafficable condition throughout the Contract period.



The general location of the Field Office shall be decided by the Engineer in consideration of the Contractor's Work Plans. The Field Office shall be situated at locations that shall be free from flooding.

The Contractor shall submit for the approval of the Engineer, along with the Tender, Plans and Drawings showing the details for the building including plans and designs for foundations, access roads, sheds, etc. Plans shall also be submitted showing architectural and structural details and the proposed layout of electrical and running water supply, roads and hard standings thereto. The Engineer may require revision of the said plan prior to the approval for construction.

Prior to the occupation of the office, the Engineer may specify to the Contractor the defects in the work whereupon he may occupy the office and withhold payment for the work in this item until the Contractor remedies and makes good the said defects to the satisfaction of the Engineer.

#### Supply of Fuel/Lubricant

The Contractor shall be responsible for arranging and ensuring that adequate supplies of High Speed Diesel (HSD), motor spirits, kerosene, lubricants and other petroleum produces are available at all times to meet his requirements for the purposes of or in connection with the contract; the Contractor's particular attention is drawn to this requirements as from time to time shortages and interruptions in the supply of fuel oils, etc occur in the region.

#### Engineer's Requirements

The Contractor shall be responsible for construct and maintenance of site office for the employer and engineers including all necessary facilities during execution of the work.

All costs including Contractor's margin, overhead, taxes etc, incurred by the Contractor to provide, construct, supply, fabricate, erect, install in accordance with the specifications mentioned elsewhere, shall be deemed to be included in the rates/price quoted in the Bill of Quantities of the respective items.

The Contractor shall be responsible for facilitate transportation of project officials. For this purpose contractor shall provide at least one (1) sturdy constructed brand new four wheel drive vehicle with driver, fuel & maintenance during project period.

All facilities shall be ready for occupation by the Engineer within one month after receiving the instruction.

If the Contractor fails to provide this service the Engineer shall be entitled to withhold the issue of Payment Certificate until the service is resumed

On completion of the Contract the Field Office including furnishings shall become the property of the Employer.

#### Office equipment and stationary articles

The Contractor shall require to purchase and supply the following Office equipment and consumables to the Engineer:

- (i) One Computer (English) of approved brand with printer and Auto CAD facilities
- (ii) One Photocopy Machine (A3 size)
- (iii) Minor items of field office equipment such as file trays, punches, staplers etc. in reasonable number/quantities as requested by the Engineer.

(iv) Consumables such as papers, pens, files etc. in reasonable number/quantities as requested from time to time by the Engineer.

Upon completion of the Contract, the office equipment listed above shall remain the property of the Employer.

#### Survey equipment

As per requirement of the program, survey equipment shall be provided on each contract Site for use by the staff of the Contractor and the Engineer. A tentative list of such survey equipment is given below:

Optical square	1 no	
Spirit level (metal 1m long)	1 no.	
Steel measuring tape 25m long		1 no.
Steel measuring tape 5m long	1 no.	
Leveling staff 3m long	1 no.	
Ranging poles	5 nos.	
Surveyor's plumb bob	1 no.	
Wild T-1A Theodolite with tripod (or equivalent)	1 no.	
Wild NA-2 Automatic level with tripod (or equivalent)		1 no.
Traversing targets with tripods		1 no.
Magnetic Compass		1 no.

Miscellaneous tools and minor items of survey equipment such as umbrellas, hammers, knives etc. shall be made available at Site in reasonable numbers at all times for use by the staff of the Contractor and the Engineer.

Consumables such as pegs, stakes, string lines, paint, marking crayons, etc., shall be made available at Site in reasonable numbers and quantities at all times for use by the staff of the Contractor and the Engineer.

Upon completion of the Contract, the survey equipment listed above shall remain the property of the Contractor.

#### Offices and equipment

The Contractor shall provide and maintain an inventory of all furnishings and equipment and shall replace any equipment, which is lost or irreparably damaged subject to the condition that the Engineer shall ensure his staff to take all reasonable precautions in the handling, operation and transportation of such equipment.

The Contractor shall pay all expenses in respect of water, electricity (where available), garbage cleaning etc. necessary for running the Office and maintaining conducive environment.

The Contractor shall place all necessary support staff such as office boys, cleaners, messengers, road-men, chain-men etc. in required number to the Engineer and his personnel in smooth performing of his responsibilities.

#### Signboards

The Contractor shall supply, erect and maintain in good condition at least two Identification Signboards of sizes to be specified by the Engineer to be fixed one at each end of the Work at a place clearly visible to the public. The Signboards shall be mounted on steel pipe frames with the required sizes at a height 2m above the ground and shall be sufficiently strong

to withstand the wind forces. The board shall be fabricated from steel angle and plates and painted with suitable colours and written in English and/or Bengali as per direction of the Engineer.

Each board shall display:

- The name of the Project
- The name of the Work
- The name of the Employer
- Contract value
- Date of commencement of work
- Date of completion of work
- Other particulars, which will be asked by the Engineer.

#### Progress in photographs and videos

Photographs and videos showing the progress of works and special photographs showing particular features or other matters of interest in connection with the Work or their surroundings shall be taken every month by an approved qualified photographer/cameraman to the choice of the Engineer. Number of photographs/video clips will not exceed 10 (ten) per month.

Four colour un-mounted prints of a size 250mm on approved photographic paper of every such photograph inscribed with its serial number, date of shooting and a short title shall be furnished to the Engineer every month.

All negatives and video clips shall be numbered, filed and retained at the Site. On completion of the Contract, those shall become the properties of the Employer and shall be handed over to the Employer by the Contractor.

6 (six) complete sets of colour prints of the finished permanent Work, not exceeding 20 (twenty) photographs in number, shall be taken when and as directed by the Engineer prior to finally granting the Contractor the Certificate of Completion and shall be suitably mounted, titled and supplied to the Engineer.

#### Measurement and payment

Provisions for Office space and facilities for the Engineer shall not be measured.

Payment for all the items as stated below shall be for the full period of the Contract including any extension, if allowed.

Payment for all equipment, signboards, photographs, video clips, services etc. of the Field Office detailed in this Sub-section shall be made as described below, where price and payment shall be the full compensation for complying with this Section of the Specification and the Conditions of the Contract.

Payment of rates for the pay items shall be the full compensation for supplying, erecting and maintaining the Field Office for the Engineer including all furniture, fixtures and fittings, access roads, office equipment, signboards, photographs, video clips etc. all in full compliance with the requirements of this Section.

No separate payment shall be made to the Contractor for providing the requisite tools, minor items and the consumables. Compensation for these items shall be deemed to be included in the other pay items of the BOQ.

35. CONTRACTOR'S SITE FACILITIES

35. The Contractor shall be responsible for the provision, maintenance and operation facilities and services on site at his own expenses.

36. CONTRACTOR'S RESPONSIBILITY FOR TESTING

36.1 Contractor shall bear all Contingency and Laboratory testing charge as may be required for Geo-textile, Concrete, Hard Rock and other materials from BUET/CUET or any other recognized Laboratory as will be selected by the Engineer.

36.2 The Contractor when requested by the Engineer or his Representative to carry out any test in the presence of the Engineer or his Representative, shall provide all necessary assistances in carrying out the tests providing concerned Material Engineer, Laboratory Assistants and labors required to the Engineer free of charge. The Contractor shall ensure that the Engineer and his staff have unrestricted access to these facilities free of charge

36.3 Testing equipment and apparatus as are needed for the performance of the above tests as specified in the Technical Specifications for the materials and construction of earthworks, concrete, gravels etc. are to be supplied by the Contractor.

36.4 All costs including Contractor's margin, overhead, taxes, etc, incurred by the Contractor in complying with requirements of this sub-clause shall be deemed to be included in the lump sum price of Contractor's site facilities of the Bill of Quantities. Payment for this item shall be made on pro-rata basis depending upon the total progress accomplished. Prior approval from the Engineer will be required for utilization of this sum.

Section 8. Particular Specifications  
**None**

## Section 9. Drawings

The tentative location of site is at Mirsarai-2A EZ (Section-3A) in Bangabandhu Sheikh Mujib Shilpanagar.



## Section 10.Environmental Management Plan (EMP)

1. The Contractor shall carry out all mitigation and enhancement measures (including those related to mitigation of air/noise/water pollution; drainage/traffic congestion) as specified in the Environmental Management Plan (EMP) as below :

Environmental Aspect	Mitigation Measures	Location	Time Frame
<b>Mobilization &amp; Site Clearance</b>			
Removal of Vegetation	Vegetation will be removed from the ROW before the commencement of Construction after obtaining necessary permissions	ROW	Before construction Starts and after centre line marking at site
Dredging components, Dumpy level, Grader, Dozer	Specifications of Dredging components, Dumpy level, Grader, Dozer, other Construction Vehicles, Equipment and Machinery to be procured will comply to the relevant Standards/ norms and with the requirements of the relevant current emission control legislations		Prior to mobilisation at site
Setting up of construction camps	The construction camps will be located far away from habitations and sensitive locations The Contractor during the progress of work will provide, erect and maintain necessary (temporary) living accommodation and ancillary facilities for labour to standards	All areas in vicinity of construction campsite	During Establishment, Operation and Dismantling of Such Camps.
Identification of debris dumping sites	Location of debris dumping sites shall consider the following, <ul style="list-style-type: none"> <li>• Shall not be located within designated forest areas.</li> <li>• dumping shall not impact natural drainage courses</li> <li>• Settlements are located at least 1 km away from the site.</li> </ul>	Throughout the corridor	During mobilisation

CONSTRUCTION STAGE			
Land			
Soil Erosion and Sedimentation control	<p>Contractor should plan the activities so that no naked / loose earth surface is left out before the onset of monsoon, for minimising the soil erosion following preventive measures to be taken such as:</p> <ul style="list-style-type: none"> <li>• Top soil from borrow area, Debris disposal sites; borrow area, construction site to be protected / covered for soil erosion.</li> <li>• Along sections abutting water bodies, stone pitching needs to be carried out</li> </ul>	Throughout Project Corridor, Service roads and equipment storage sites, etc.	Upon completion of construction activities at these sites.
Contamination of soil	<ul style="list-style-type: none"> <li>• Vehicle / machinery and equipment operation, maintenance and refuelling shall be carried out in such a fashion that spillage of fuels and lubricants does not contaminate the ground. An "oil interceptor" will be provided for wash down and refuelling areas.</li> <li>• Fuel storage shall be in proper bunded areas. All spills and collected petroleum products shall be disposed off safely without causing any contamination</li> <li>• Plant to be set up 500 m away from surface water body.</li> <li>• Oil interceptor will be installed at construction site.</li> <li>• Septic tank will be constructed for safe disposal of waste.</li> </ul>	At fuel storage areas – usually at construction camps, temporarily acquired site.	During Construction.
Material sources	<ul style="list-style-type: none"> <li>• Adequate safety precautions shall be ensured during transportation of quarry material from quarries to the construction site. Vehicles transporting the material shall be covered to prevent spillage. Operations to be undertaken by the as per the direction .</li> </ul>		During construction
Disposal of Debris	The disposal of debris shall be carried out only at sites identified for the purpose. All arrangement for transportation during construction including provision, maintenance, dismantling and clearing debris, where necessary will be considered incidental to the work and should be planned	Sites identified by the contractor	During Construction
Air			
Dust Generation	<ul style="list-style-type: none"> <li>• Vehicles delivering materials should be covered to reduce spills and dust blowing off the load.</li> <li>• Clearing and grubbing to be done, just before the start of next activity on that site.</li> <li>• In laying sub-base, water spraying is needed to aid compaction of the material. After the compaction, water spraying</li> </ul>	Throughout Project Corridor, all access roads, temporarily acquired	Beginning with & throughout construction until asphaltting is completed and side slopes are covered.



	<p>should be carried out at regular intervals to limit the dust to below</p> <ul style="list-style-type: none"> <li>• Road surface should be cleaned with air compressor and vacuum cleaners prior to the construction works. Manual labour using brooms should be avoided, if used labour to be provided masks.</li> <li>• The Contractor shall take every precaution to reduce the level of dust emission from the hot mix plants and the batching plants .</li> <li>• Plants, machinery and equipment shall be so handled (including dismantling) as to minimise generation of dust.</li> </ul>	sites.	
Equipment Selection, Maintenance and Operation	<ul style="list-style-type: none"> <li>• All vehicles, equipment, crushers and machinery used for construction shall be regularly maintained to ensure that pollution emission levels comply with the relevant requirements.</li> </ul>	Throughout Project Corridor, all access roads, sites temporarily acquired and all borrow areas.	During Construction.
Pollution from Crusher	<ul style="list-style-type: none"> <li>•</li> </ul>	All Aggregate Crushing Plants.	During Erection, Testing, Operation and Dismantling of Such plants.
Water			
Loss of water bodies/ surface / ground	<ul style="list-style-type: none"> <li>• No excavation from the bund of the water bodies.</li> <li>• No debris disposal near any water body.</li> <li>• Prior written permission from authorities is required for use of water for construction activity.</li> <li>• Construction labours to be restricted from polluting the source or misusing the source.</li> <li>• Labour camps will be located away from water bodies.</li> </ul>	Near all water bodies	During construction
Silting / sedimentation	<ul style="list-style-type: none"> <li>• Silt fencing shall be provided around water bodies to prevent runoff of sediment from construction site</li> <li>•</li> </ul>		Throughout construction period
Contamination of water	<ul style="list-style-type: none"> <li>• Construction close to water bodies shall be avoided</li> </ul>	All areas in	Throughout construction

	<ul style="list-style-type: none"> <li>• Car washing / workshops near water bodies will be avoided.</li> </ul>	immediate vicinity campsite.	period and during Operation and Dismantling of Camps.
<b>Noise</b>			
Noise from Vehicles, Plants and Equipment	<ul style="list-style-type: none"> <li>• Noise standard at processing sites, eg. Aggregate crushing plants, batching plant, hot mix plant, any machinery will be strictly monitored to prevent exceeding of noise standards.</li> <li>• Workers in vicinity of loud noise, and workers working with or in crushing, compaction, concrete mixing operations shall wear earplugs and working time should be limited as a safety measure.</li> <li>• In construction sites within 150 m of sensitive receptors construction will be stopped from 20:00 to 06:00.</li> <li>• .</li> </ul>	Throughout Project Corridor, all access roads, sites temporarily acquired and all borrow areas.	Throughout construction
Noise from Blasting or Pre-splitting Operations	<ul style="list-style-type: none"> <li>• Blasting shall be carried out during fixed hours (preferably during mid-day), All statutory laws, regulations, rules, pertaining to acquisition, transport, storage, handling and use of explosives shall be followed.</li> <li>•</li> </ul>	All Blasting and Pre-splitting Sites.	During Preparation, Operation and Closure of Such Sites.
<b>Flora &amp; Fauna</b>			
<b>Socio – Economic Environment</b>			
Accidents	<ul style="list-style-type: none"> <li>• The contractor will provide, and maintain barricades, including signs marking flats, lights and flagmen.</li> <li>• All Accidents shall be reported immediately and incident analysis, preventive measures shall be implemented.</li> </ul>		During Construction
<b>Road Safety And Construction Safety</b>			
Construction Safety	<ul style="list-style-type: none"> <li>• Adequate precautions will be taken to prevent danger from electrical equipment.</li> <li>• No material or any of the sites will be so stacked or placed as to cause danger or inconvenience to any person or the public.</li> <li>• Fencing and lights shall be provided to protect the public.</li> <li>• All machines to be used in the construction will conform to the relevant Standards, will be free from defect, will be kept in good working order, will be regularly inspected and properly maintained.</li> </ul>	Entire Project site.	During Construction
Risk at Hazardous Activity	<ul style="list-style-type: none"> <li>• All workers employed on mixing asphaltic material, cement, lime mortars, concrete etc., will be provided with protective</li> </ul>	Entire Project site.	During Construction

	<p>footwear and protective goggles.</p> <ul style="list-style-type: none"> <li>Workers, who are engaged in welding works, would be provided with welder's protective eye-shields. Stonebreakers will be provided with protective goggles and clothing and will be seated at sufficiently safe intervals.</li> <li>. A register of all toxic chemicals delivered to the site shall be kept and maintained up to date. The register shall include the trade name, physical properties and characteristics, chemical ingredients, health and safety hazard information, safe handling and storage procedures, and emergency and first aid procedures for the product.</li> </ul>		
Risk caused by Force' Majure	All reasonable precaution will be taken to prevent danger of the workers and the public from fire, flood, drowning, etc. All necessary steps will be taken for prompt first aid treatment of all injuries likely to be sustained during the course of work.	Entire Project site	During Construction
Health and Safety Measures	<ul style="list-style-type: none"> <li>At every workplace, a readily available first aid unit including an adequate supply of sterilised dressing material and appliances will be provided as per the Labour Act-2006..</li> <li>Adequate safety measures and PPE for workers during handling of materials at site will be taken up.</li> </ul>	Entire Project site.	During Construction
		All construction sites	During construction
Hygiene	<ul style="list-style-type: none"> <li>Latrines shall be provided with septic tank. The effluents can be diverted for horticulture inside the camps.</li> <li>The septic tank may be cleaned once in 6 months and filter cleaned after a year.</li> <li>All temporary accommodation must be constructed and maintained in such a fashion that uncontaminated water is available for drinking, cooking and washing.</li> <li>Garbage bins must be provided in the camps and regularly emptied and the garbage disposed off in a hygienic manner.</li> <li>Adequate health care is to be provided for the work force. Unless otherwise arranged for by the local sanitary authority, the local medical health or municipal authorities.</li> <li>On completion of the works, all such temporary structures shall be cleared away, all rubbish burnt, septic tank and other disposal pits filled in and effectively sealed off and the outline site left clean and</li> </ul>	All Worker's Camps	During construction

	tidy, at contractor's expense.		
Clearing of Construction of Camps & Restoration	<p>Contractors shall prepare site restoration plans. The plans shall be implemented prior to demobilization.</p> <p>On completion of works, all temporary structures shall be cleared, all rubbish burnt, excreta or other disposal pits or trenches filled in and sealed and the site left clean and tidy, .</p>	All Workers' Camps	
Resettlement and Social Management Framework of BEZA			
Abbreviated resettlement Plan of Mirsharai	<ul style="list-style-type: none"> <li>• After Payment of Compensation, contractor can start the construction activities.</li> <li>• Contractor will ensure employment from affected people as per their qualification</li> <li>• After relocation of affected houses Contractor can start the construction</li> </ul>		

#### Temporary Works:

- 1.The Contractor shall make sure that all equipment and safeguards required for the construction work such as temporary stair, ladder, ramp, scaffold, hoist, run away, barricade, chute, lift, etc. are substantially constructed and erected, so as not to create any unsafe situation for the workmen using them or the workmen and general public passing under, on or near them.

#### Health and Safety:

- The Contractor shall observe and maintain standards of Health and Safety towards all of his employees not less than those laid down by the national standards or statutory regulations.
- Where appropriate, to prevent workers falling from heights, the Contractor shall make sure that every temporary floor openings shall either have railing of at least 900 mm height or shall be constantly attended; every floor hole shall be guarded by either a railing or a hinged cover, or constantly attended; every stairway floor opening shall be guarded by railing at least 900 mm high on the exposed sides; every ladder way floor opening or platform shall be guarded by a guard railing; every open sided floor or platform 1.2 m or more above adjacent ground level shall be guarded by a railing on all open sides.
- The Contractor shall provide all appropriate protective clothing and equipment for the work to be done and ensure its proper use. Where required, safety nets, belts, harnesses and lines shall be provided by the contractor. The "safety directives for work equipment" and "safety directives for protective gears", as specified in the Occupational Health and Safety Guidelines (attached) shall be followed.
- The Contractor shall provide and maintain in prominent and well-marked positions all necessary first-aid equipment, medical supplies and other related facilities. A sufficient number of trained personnel will be required to be available at all times to render first aid.

- The Contractor must provide or ensure that appropriate safety and/or health signs are in place at their work sites where hazards cannot be avoided or reduced.
- The Contractor shall report to the Engineer promptly and in writing particulars of any accident or unusual or unforeseen occurrences on the site, whether these are likely to affect progress of the work or not.

**Disposal and Pollution:**

- The Contractor shall not dispose any waste, rubbish or offensive matter in any place not approved by the Engineer or Statutory Authority having jurisdiction. The Contractor shall not discharge into any watercourse oil, solids, noxious or floating materials.
- The Contractor shall take all reasonable precautions to keep public or private roads clean of any spillage or droppings from his vehicles or equipment. Any spillage or droppings which accrue shall be cleaned without delay to the satisfaction of the Engineer.

The Contractor shall construct sanitary latrine or septic tank system or install portable cabin toilet for disposal of human waste in the site office and temporary labor sheds for workers/ employees; the Contractor shall provide waste bins/ cans for collection of solid waste at appropriate locations (as directed by the Engineer), and ensure proper transfer/ disposal of solid waste.