

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

MINISTRY OF WATER RESOURCES



BANGLADESH WATER DEVELOPMENT BOARD

Pre-qualification Document for Procurement of:
Rehabilitation /Reconstruction & Upgrading of Polder 32, 33, 35/1 and 35/3
under Coastal Embankment Improvement Project, Phase-1, (CEIP-1)

Invitation for Prequalification No.: CEIP-1/PQ-01/2013-2014

ICB No.: CEIP-1/W-01

Project: Coastal Embankment Improvement Project, Phase-1 (CEIP-1)

Loan/Credit No: IDA Credit No. 5280-BD & SCF-PPCR Grant No.TF014713

Employer: Bangladesh Water Development Board (BWDB)

Country: BANGLADESH

Issued on: 23 March 2014

Summary Description

A brief description of the Prequalification Documents is given below:

Prequalification Document for Procurement of Works

PART 1 – PREQUALIFICATION PROCEDURES

Section I - Instructions to Applicants (ITA)-----3-15

This Section provides information to help the Applicants in preparing and submitting their Applications for Prequalification (“Applications”). Information is also provided on opening and evaluation of Applications. **Section I contains provisions that are to be used without modification.**

Section II - Prequalification Data Sheet (PDS)----- 16-19

This Section includes provisions that are specific to each prequalification and supplement Section I, Instructions to Applicants.

Section III - Qualification Criteria and Requirements ----- 20-26

This Section specifies the methods, criteria, and requirements to be used to determine how Applicants shall be prequalified and later invited to bid.

Section IV - Application Forms----- 27-41

This Section includes the Application Submission Form and other forms required to be submitted with the Application.

Section V – Eligible Countries (ELC) ----- 42-42

This section contains information regarding eligible countries.

Section VI – Bank Policy – Corrupt and Fraudulent Practices----- 43-45

This Section provides the Applicants with the reference to the Bank’s policy in regard to corrupt and fraudulent practices applicable to the prequalification process.

PART 2 WORKS REQUIREMENTS

Section VII - Works Requirements ----- 46-51

This Section includes a summary description, delivery and completion schedules, and Site and other Data of the Works subject of this prequalification.

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PART 1 – Prequalification Procedures

Section I. Instructions to Applicants

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Section I. Instructions to Applicants

A. General

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| 1. Scope of Application | 1.1 In connection with the Invitation for Prequalification ¹ indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as defined in the PDS , issues this Prequalification Document (“Prequalification Document”) to prospective applicants (“Applicants”) interested in submitting applications (“Applications”) for prequalification to bid for the Works described in Section VII, Scope of Works. In case the Works are to be bid as individual contracts (i.e. the slice and package procedure), these are listed in the PDS. The International Competitive Bidding (“ICB”) number corresponding to this prequalification is also provided in the PDS . |
| 2. Source of Funds | 2.1 The Borrower or Recipient (hereinafter called “Borrower”) indicated in the PDS has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) towards the cost of the project named in the PDS . The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted. Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank, and will be subject, in all respects, to the terms and conditions of the loan (or financing) agreement. The loan (or financing) agreement prohibits a withdrawal from the loan (or credit) account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the loan (or financing) agreement or have any claim to the proceeds of the loan (or credit). |
| 3. Fraud and Corruption | 3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.

3.2 In further pursuance of this policy, Applicants shall permit and shall cause its agents to permit the Bank to inspect all accounts, records and other documents relating to the submission of the Application, bid submission (in case prequalified), and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank. |
| 4. Eligible Applicants | 4.1 Applicants shall meet the eligibility criteria as per clause 5.1. For the purpose of applying the eligibility criteria listed in this Clause 4 and 5, references to the “Applicant” include all entities involved or intended to be involved with the proposed Works (including all partners and any of their affiliates that directly or indirectly |

¹ The Invitation for Prequalification (IFP) provided information for potential bidders to decide whether to participate, including the essential items listed in the Standard Prequalification Document and also any important or specialized prequalification requirements requested to qualify for the prequalification.

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control, or are controlled by or are under common control with the firm), specialized sub-contractors, consultants, manufacturers or suppliers (as mentioned in Form ELI-1.2 Applicant's Party Information Form), and the personnel of each, for any part of the contract including related services.

- 4.2 An Applicant may be a firm that is a private entity, a government-owned entity—subject to ITA 4.9 - or a combination of such entities in the form of a joint venture ("JV") under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In the case of a JV, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The JV shall nominate an authorized representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the prequalification process, bidding (in the event the JV submits a bid) and during contract execution (in the event the JV is awarded the Contract). Unless specified in the **PDS**, there is no limit on the number of members in a JV.
- 4.3 A firm may apply for prequalification both individually, and as part of a joint venture, or as a sub-contractor. If prequalified, it will not be permitted to bid for the same contract both as an individual firm and as a part of the joint venture or as a sub-contractor. However, a firm may participate as a sub-contractor in more than one bid, but only in that capacity. Bids submitted in violation of this procedure will be rejected.
- 4.4 A firm and any of its affiliates (that directly or indirectly control, are controlled by or are under common control with that firm) may submit its application for prequalification either individually, as joint venture or as a sub-contractor among them for the same contract. However, if prequalified only one prequalified applicant will be allowed to bid for the same contract. All bids submitted in violation of this procedure will be rejected.
- 4.5 An Applicant may have the nationality of any country, subject to the restrictions pursuant to ITA 5.1. An Applicant shall be deemed to have the nationality of a country if the Applicant is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed specialized sub-contractors or suppliers for any part of the Contract including related Services.
- 4.6 Applicants shall not have a conflict of interest. Applicants shall be considered to have a conflict of interest, if they participated as a consultant in the preparation of the design or technical specifications or have been hired or proposed to be hired by the Employer or Borrower as Engineer for contract implementation of the works that are the subject of this prequalification.
- 4.7 An Applicant that has been sanctioned by the Bank in

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accordance with the above ITA 3.1, including in accordance with the Bank's Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants ("Anti-Corruption Guidelines"), shall be ineligible to be prequalified, to bid for, awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined.

- 4.8 The list of debarred firms and individuals is available at the electronic address specified in the **PDS**.
- 4.9 Government-owned enterprises or institutions in the Employer's Country may participate only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not dependent agencies of the Employer². To be eligible, a government-owned enterprise or institution shall establish to the Bank's satisfaction, through all relevant documents, including its Charter and other information the Bank may request, that it: (i) is a legal entity separate from the government (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to the government, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt; and (iv) is not bidding for a contract to be awarded by the department or agency of the government which under their applicable laws or regulations is the reporting or supervisory authority of the enterprise or has the ability to exercise influence or control over the enterprise or institution.
- 4.10 An Applicant shall not be under suspension from bidding by the Employer as the result of the execution of a Bid-Securing Declaration.
- 4.11 An Applicant shall provide such evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.

5. Eligibility Goods and Related Services

- 5.1 Firms and individuals may be ineligible if they are nationals of ineligible countries as indicated in Section V. The countries, persons or entities are ineligible if (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.

² Other than Force Account units, as permitted under paragraph 3.9 of the Procurement Guidelines

B. Contents of the Prequalification Document

6. Sections of Prequalification Document

- 6.1 This Prequalification Document consists of parts 1 and 2 which comprise all the sections indicated below, and which should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART 1 Prequalification Procedures

- Section I. Instructions to Applicants (ITA)
- Section II. Prequalification Data Sheet (PDS)
- Section III. Qualification Criteria and Requirements
- Section IV. Application Forms
- Section V. Eligible Countries

- Section VI. Bank Policy – Corrupt and Fraudulent practices

PART 2 Works Requirements

Section VII. Scope of Works

- 6.2 Unless obtained directly from the Employer, the Employer accepts no responsibility for the completeness of the document, responses to requests for clarification, the minutes of the pre-Application meeting (if any), or Addenda to the Prequalification Document in accordance with ITA 8. In case of any discrepancies, documents issued directly by the Employer shall prevail.
- 6.3 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Document and to furnish with its Application all information or documentation as is required by the Prequalification Document.

7. Clarification of Prequalification Document

- 7.1 A prospective Applicant requiring any clarification of the Prequalification Document shall contact the Employer in writing at the Employer's address indicated in the **PDS**. The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of the applications. The Employer shall forward a copy of its response to all prospective Applicants who have obtained the Prequalification Document directly from the Employer, including a description of the inquiry but without identifying its source. If so indicated in the **PDS**, the Employer shall also promptly publish its response at the web page identified in the **PDS**. Should the Employer deem it necessary to amend the Prequalification Document as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.
- 7.2 If indicated in the **PDS**, the prospective Applicant's designated representative is invited at the Applicant's cost to attend a pre-Application meeting at the place, date and time mentioned in the

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PDS. During this pre-Application meeting, prospective Applicants may request clarification of the project requirement, the criteria for qualifications or any other aspects of the Prequalification Document.

- 7.3 Minutes of the pre-Application meeting, if applicable, including the text of the questions asked by Applicants, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted promptly to all prospective Applicants who have obtained the Prequalification Document. Any modification to the Prequalification Document that may become necessary as a result of the pre-Application meeting shall be made by the Employer exclusively through the use of an Addendum pursuant to ITA 8. Non-attendance at the pre-Application meeting will not be a cause for disqualification of an Applicant.

8. Amendment of Prequalifica- tion Document

- 8.1 At any time prior to the deadline for submission of Applications, the Employer may amend the Prequalification Document by issuing an Addendum.
- 8.2 Any Addendum issued shall be part of the Prequalification Document and shall be communicated in writing to all prospective Applicants who have obtained the Prequalification Document from the Employer. The Employer shall promptly publish the Addendum at the Employer's web page identified in the **PDS**.
- 8.3 To give prospective Applicants reasonable time to take an Addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of Applications in accordance with ITA 17.2.



C. Preparation of Applications

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| 9. Cost of Applications | 9.1 The Applicant shall bear all costs associated with the preparation and submission of its Application. The Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process. |
| 10. Language of Application | 10.1 The Application as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the PDS . Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PDS , in which case, for purposes of interpretation of the Application, the translation shall govern. |
| 11. Documents Comprising the Application | <p>11.1 The Application shall comprise the following:</p> <ul style="list-style-type: none">(a) Application Submission Form, in accordance with ITA 12.1;(b) documentary evidence establishing the Applicant's eligibility, in accordance with ITA 13.1;(c) documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and(d) any other document required as specified in the PDS. <p>11.2 The Applicant shall furnish information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Application</p> |
| 12. Application Submission Form | 12.1 The Applicant shall complete an Application Submission Form as provided in Section IV, Application Forms. This Form must be completed without any alteration to its format. |
| 13. Documents Establishing the Eligibility of the Applicant | 13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Application Submission Form and Forms ELI (eligibility) 1.1 and 1.2, included in Section IV (Application Forms). |
| 14. Documents Establishing the Qualifications of the Applicant | <p>14.1 To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria and Requirements, the Applicant shall provide the information requested in the corresponding Information Sheets included in Section IV, Application Forms.</p> <p>14.2 Wherever an Application Form requires an Applicant to state a monetary amount, Applicants should indicate the USD equivalent using the rate of exchange determined as follows:</p> <p>For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be</p> |

converted) was originally established.

Value of single contract - Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source identified in the **PDS**. Any error in determining the exchange rates in the Application may be corrected by the Employer.

15. Signing of the Application and Number of Copies

15.1 The Applicant shall prepare one original of the documents comprising the Application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant. In case the Applicant is a JV, the Application shall be signed by an authorized representative of the JV on behalf of the JV and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized signatories.

15.2 The Applicant shall submit copies of the signed original Application, in the number specified in the **PDS**, and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail.

D. Submission of Applications

16. Sealing and Identification of Applications

16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope that shall:

- (a) bear the name and address of the Applicant;
- (b) be addressed to the Employer, in accordance with ITA 17.1; and
- (c) bear the specific identification of this prequalification process indicated in the PDS 1.1.

16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required in ITA 16.1 above.

17. Deadline for Submission of Applications

17.1 Applicants may either submit their Applications by mail or by hand. Applications shall be received by the Employer at the address and no later than the deadline indicated in the **PDS**. When so specified in the **PDS**, Applicants have the option of submitting their Applications electronically, in accordance with electronic application submission procedures specified in the **PDS**.

17.2 The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Document in accordance with ITA 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

18. Late Applications

18.1 The Employer reserves the right to accept applications received after the deadline for submission of applications, unless otherwise

specified in the **PDS**.

19. Opening of Applications

- 19.1 The Employer shall open all Applications at the date, time and place specified in the **PDS**. Late Applications shall be treated in accordance with ITA 18.1.
- 19.2 Applications submitted electronically (if permitted pursuant to ITA 17.1) shall be opened in accordance with the procedures specified in the **PDS**.
- 19.3 The Employer shall prepare a record of the opening of Applications to include, as a minimum, the name of the Applicants. A copy of the record shall be distributed to all Applicants.

E. Procedures for Evaluation of Applications

20. Confidentiality

- 20.1 Information relating to the Applications, their evaluation and result shall not be disclosed to Applicants or any other persons not officially concerned with the prequalification process until the notification of prequalification results is made to all Applicants in accordance with ITA 28.
- 20.2 From the deadline for submission of Applications to the time of notification of the results of the prequalification in accordance with ITA 28, any Applicant that wishes to contact the Employer on any matter related to the prequalification process (except as specified in 20.1 above), may do so only in writing.

21. Clarification of Applications

- 21.1 To assist in the evaluation of Applications, the Employer may, at its discretion, ask an Applicant for a clarification (including missing documents) of its Application, to be submitted within a stated reasonable period of time. Any request for clarification from the Employer and all clarifications from the Applicant shall be in writing.
- 21.2 If an Applicant does not provide clarifications and/or documents requested by the date and time set in the Employer's request for clarification, its Application shall be evaluated based on the information and documents available at the time of evaluation of the Application.

22. Responsiveness of Applications

- 22.1 The Employer may reject any Application which is not responsive to the requirements of the Prequalification Document. In case the information furnished by the Applicant is incomplete or otherwise requires clarification as per ITA 21.1, and the Applicant fails to provide satisfactory clarification and/or missing information, it may result in disqualification of the Applicant.

23. Domestic Bidder Price

- 23.1 Unless otherwise specified in the **PDS**, a margin of preference for domestic bidders³ shall not apply in the bidding process resulting

³

An individual firm is considered a domestic bidder for purposes of the margin of preference if it is registered in the country of the Employer, has more than 50 percent ownership by nationals of the country of the Employer, and if it does not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign contractors. JVs are considered as domestic bidders and eligible for domestic preference only if the individual member firms are registered in the country of the Employer, have more than 50 percent ownership by nationals of the country of the Employer, and the JV shall be registered in the country of the Borrower. The JV shall not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign firms. JVs between foreign and national firms will not be eligible for domestic preference.



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| Preference | from this prequalification. |
| 24. Sub-contractors | <p>24.1 Unless otherwise stated in the PDS, the Employer does not intend to execute any specific elements of the Works by sub-contractors selected in advance by the Employer.</p> <p>24.2 The Employer may decide to permit subcontracting for certain specialized works as indicated in Section III 4.2, Experience. The Employer may do so at its own initiative or at the request of the Applicants during the prequalification process (if justified). When subcontracting is permitted by the Employer, the specialized sub-contractors experience shall be considered for evaluation. Section III describes the qualification criteria for sub-contractors.</p> <p>24.3 Applicants may propose subcontracting to the percentage of the total value of the contract or the volume of works mentioned in the PDS and as further described in ITA 25.2.</p> |

F. Evaluation of Applications and Prequalification of Applicants

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| 25. Evaluation of Applications | <p>25.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III, Qualification Criteria and Requirements, to evaluate the qualifications of the Applicants, and no other methods, criteria, or requirements shall be used. The Employer reserves the right to waive minor deviations from the qualification criteria if they do not materially affect the technical capability and financial resources of an Applicant to perform the contract.</p> <p>25.2 Applicants planning to subcontract more than 10% of total volume of work shall specify, in the Application Submission Form, the activity (ies) or parts of the works to be subcontracted along with complete details of the sub-contractors and their qualification and experience. The sub-contractors proposed shall be fully qualified for their work proposed, and meet the specified criteria in Section III, failing which such sub-contractors will not be permitted to participate. The qualification and experience of sub-contractors proposed by the Applicant under ITA 24.3 will not be considered for evaluation of the Applicant. The Applicant on its own (without taking into account the qualification and experience of the sub-contractor) should meet the prequalification criteria.</p> <p>25.3 In case of multiple contracts, Applicants should indicate in their Applications the individual contract or combination of contracts in which they are interested. The Employer shall prequalify each Applicant for the maximum combination of contracts for which the Applicant has thereby indicated its interest and for which the Applicant meets the appropriate aggregate requirements. The Qualification Criteria and Requirements are mentioned in Section III. However, with respect to the specific experience under item 4.2 (a) of Section III, the Employer will select any one or more of the options as identified below:</p> |
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N is the minimum number of contracts

V is the minimum value of a single contract

(a) Prequalification for one Contract:

Option 1: (i) N contracts, each of minimum value V;

Or

Option 2: (i) N contracts, each of minimum value V, Or

(ii) Less than or equal to N contracts, each of minimum value V, but with total value of all contracts equal or more than $N \times V$;

(b) Prequalification for multiple Contracts

Option 1: (i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the applicant has applied for as follows, and N1,N2,N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc.

Or

Option 2: (i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the applicant has applied for as follows, and N1,N2,N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc, Or

(ii) Lot 1: N1 contracts, each of minimum value V1; or number of contracts less than or equal to N1, each of minimum value V1, but with total value of all contracts equal or more than $N1 \times V1$

Lot 2: N2 contracts, each of minimum value

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V2; or number of contracts less than or equal to N2, each of minimum value V2, but with total value of all contracts equal or more than $N2 \times V2$

Lot 3: N3 contracts, each of minimum value V3; or number of contracts less than or equal to N3, each of minimum value V3, but with total value of all contracts equal or more than $N3 \times V3$

----etc.

Or

Option 3: (i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the applicant has applied for as follows, and N1,N2,N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc, Or

(ii) Lot 1: N1 contracts, each of minimum value V1; or number of contracts less than or equal to N1, each of minimum value V1, but with total value of all contracts equal or more than $N1 \times V1$

Lot 2: N2 contracts, each of minimum value V2; or number of contracts less than or equal to N2, each of minimum value V2, but with total value of all contracts equal or more than $N2 \times V2$

Lot 3: N3 contracts, each of minimum value V3; or number of contracts less than or equal to N3, each of minimum value V3, but with total value of all contracts equal or more than $N3 \times V3$

----etc, Or

(iii) Subject to compliance as per (ii) above with respect to minimum value of single contract for each lot, total number of contracts is equal or less than $N1 + N2 + N3$ ---but the total value of all such contracts is equal or more than $N1 \times V1 + N2 \times V2 + N3 \times V3$ ---.

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- 25.4 Only the qualifications of the Applicant shall be considered. In particular, the qualifications of a parent or other affiliated company that is not party to the Applicant under a JV in accordance with ITA 4.2 (or participating as a sub-contractor as per ITA 25.2) shall not be considered.
- 26. Employer's Right to Accept or Reject Applications**
- 26.1 The Employer reserves the right to accept or reject any Application, and to annul the prequalification process and reject all Applications at any time, without thereby incurring any liability to the Applicants.
- 27. Prequalification of Applicants**
- 27.1 All Applicants who's Applications substantially meet or exceed the specified qualification requirements will be prequalified by the Employer.
- 27.2 An Applicant may be "conditionally prequalified," that is, qualified subject to the Applicant submitting or correcting certain specified nonmaterial documents or deficiencies to the satisfaction of the Employer.
- 27.3 Applicants that are conditionally prequalified will be so informed along with the statement of the condition(s) which must be met to the satisfaction of the Employer before or at the time of submitting their bids.
- 28. Notification of Prequalification**
- 28.1 The Employer shall notify all Applicants in writing of the names of those Applicants who have been prequalified or conditionally prequalified. In addition, those Applicants who have been disqualified will be informed separately.
- 28.2 Applicants that have not been prequalified may write to the Employer to request, in writing, the grounds on which they were disqualified.
- 29. Invitation for Bids**
- 29.1 Promptly after the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified or conditionally prequalified.
- 29.2 Bidders may be required to provide a Bid Security or a Bid-Securing Declaration acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security as specified in the Bidding Documents.
- 30. Changes in Qualifications of Applicants**
- 30.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 27 and invited to bid (including, in the case of a JV, any change in the structure or formation of any member thereto) shall be subject to the written approval of the Employer prior to the deadline for submission of bids. Such approval shall be denied if (i) a prequalified applicant proposes to associate with a disqualified applicant or in case of a disqualified joint venture, any of its members; (ii) as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements; or (iii) in the opinion of the Employer, the change may result in a substantial reduction in competition. Any such change should be submitted to the Employer not later than fourteen (14) days after the date of the Invitation for Bids.

Section II

Prequalification Data Sheet

Section II. Prequalification Data Sheet	
A. General	
ITA 1.1	The identification of the Invitation for Prequalification is: CEIP-1/PQ-01/52 dated 23-03-2014. The Employer is: Bangladesh Water Development Board (BWDB), WAPDA Building, Motijheel Commercial Area, Dhaka-1000, represented by the Project Director, CEIP-1, BWDB, Dhaka. The list of contracts is: <i>Number of Contract is One (1)</i> <i>Identification Number:</i> CEIP-1/PQ-01/2013-2014 <i>ICB name and number are:</i> <i>ICB Name:</i> Rehabilitation / Reconstruction and Upgrading of Polder 32, 33, 35/1 and 35/3 under Coastal Embankment Improvement Project, Phase-1 (CEIP-1) <i>Contract Number:</i> CEIP-1/ W-01
ITA 2.1	The name of the Borrower is: <i>The People's Republic of Bangladesh</i> The name of the Project is: <i>Coastal Embankment Improvement Project, Phase-I (CEIP-I)</i>
ITA 4.2	Maximum number of members in the JV shall be: Three (3) . Add at the end of Sub-clause: Any JV agreement is to be notarized by a Notary Public in the home country of Lead Partner.
ITA 4.6	Add at end of Sub-clause: The limitations on an Applicant's participation in the same Prequalification process shall be understood as extending to the participation of affiliated entities [e.g. a parent company and its subsidiaries, and subsidiaries under common ownership who have a relationship with the Applicant, directly or through a common third party, that would put them in a position to have access to information about or influence each other's bid or influence the decisions of the Employer regarding the procurement process to which this Prequalification applies].
ITA 4.8	The electronic address of firms and individuals debarred by the Bank is: <u>http://www.worldbank.org/debarr.</u>



B. Contents of the Prequalification Document	
ITA 7.1	For clarification purposes, the Employer's address is: Attention: Md. Sarafat Hossain Khan Project Director, CEIP-1 Project Management Unit (PMU), BWDB Address: House-15(4th Floor), Road-24 (CWN), Gulshan-2 City: Dhaka ZIP Code: Dhaka-1212 Country: Bangladesh Mobile: +8801715038519 Electronic mail address: <u>sarafat.khan@gmail.com</u>
ITA 7.1 & 8.2	Web page: <u>www.bwdb.gov.bd</u>
ITA 7.2	Pre-Application Meeting will be held: Yes <i>The address, date & time will be:</i> Address: Conference Room, 3rd Floor, WAPDA Building, Motijheel C/A, Dhaka-1000, Bangladesh. Date: 07 May 2014. Time: 11.00 hrs (Bangladesh Time)
C. Preparation of Applications	
ITA 10.1	This Prequalification document has been issued in the English language All correspondence exchange shall be in the English language. The Application as well as all correspondence shall be submitted in English
ITA 11.1 (d)	The Applicant shall submit with its Application, the following additional documents: 1) Supporting documents and/or documentary evidences in support of information provided and submissions made in Forms - FIN-3.1, EXP-4.2 (a) and EXP-4.2 (b)
ITA 14.2	The source for determining exchange rates is: Exchange rates shall be official selling rate of Sonali Bank Limited, Dhaka, Bangladesh.
ITA 15.2	In addition to the original , the number of copies to be submitted with the Application is: Three (3) , and one (1) soft in CD/DVD format
D. Submission of Applications	
ITA 17.1	The deadline for Application submission is: Date: 21 May 2014. Time: 15.00 hrs. (Bangladesh time)



	Applicants <i>shall not</i> have the option of submitting their Applications electronically. For application submission purposes only , The Employer's address is the same as that indicated in ITA 7.1 above.
ITA 18.1	Late Applications will be returned unopened to the Applicants.
ITA 19.1	The opening of the Applications shall be at the: Date: 21 May 2014 Time: 15.30 hrs (Bangladesh Time) Place: Office of the Project Director, Project Management Unit (PMU), CEIP-1, House-15(4th Floor), Road-24 (CWN), Gulshan-2, Dhaka-1212.
ITA 19.2	If electronic submission of applications shall be permitted, electronic Application opening procedures are: Not applicable.
E. Procedures for Evaluation of Applications	
ITA 23.1	A margin of preference shall apply for eligible domestic bidders.
ITA 24.1	At this time the Employer <i>does not intend</i> to execute certain specific parts of the Works by sub-contractors selected in advance.
ITA 24.3	Maximum percentage of subcontracting permitted is 10% (Ten) of the total value of the contract or 10% (Ten) of the volume of works.
ITA 25.2	Add at end of Sub-clause: An Applicant must satisfy the Qualification Criteria and Requirements based solely on the experience and financial resources of the Applicant, and the specific experience of Specialized Sub-contractor(s) to the extent indicated in Section III 4.2 (b), Experience. An Applicant will not rely on the experience or financial resources of affiliated entities (e.g., parent companies, sister companies, subsidiaries) to satisfy the Qualification Criteria and Requirements.

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Section III. Qualification Criteria and Requirements

This Section contains all the methods, criteria, and requirements that the Employer shall use to evaluate Applications. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Application Forms.

Contents

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3. Financial Situation and Performance	23
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Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements				Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITA 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in accordance with ITA 4.6	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form
1.3	Bank Eligibility	Not having been declared ineligible by the Bank, as described in ITA 4.7 and 5.1	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form
1.4	Government Owned Entity of the Borrower country	Meet conditions of ITA 4.9	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.5	United Nations resolution or Borrower's country law	Not having been excluded as a result of prohibition in the Borrower's country laws or official regulations against commercial relations with the Applicant's country, or by an act of compliance with UN Security Council resolution, both in accordance with ITA 5.1 and Section V.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments

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Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements				Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract ⁴ did not occur as a result of contractor's default since 1 st January 2011	Must meet requirement	Must meet requirement	Must meet requirement ⁵	N/A	Form CON-2
2.2	Suspension Based on Execution of Bid Securing Declaration by the Employer	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITA 4.10.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form
2.3	Pending Litigation	Applicant's financial position and prospective long term profitability still sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Applicant	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2
2.4	Litigation History	No consistent history of court/arbitral award decisions against the Applicant ⁶ since 1 st January 2009.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form CON – 2

⁴ Non-performance, as decided by the Employer, shall include all contracts where (a) nonperformance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non- performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the applicant have been exhausted.

⁵ This requirement also applies to contracts executed by the Applicant as JV member.

⁶ The Applicant shall provide accurate information on the related Application Form about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five years. A consistent history of awards against the Applicant or any member of a joint venture may result in failure of the application.

Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements				Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.1	Financial Capabilities	(i) The Applicant shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as US\$ 11.00 million for the subject contract net of the Applicants other commitments.	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN – 3.1, with attachments
		(ii) The Applicant shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.	Must meet requirement	Must meet requirement	N/A	N/A	Certified Document
		(iii) The audited balance sheets or, if not required by the laws of the Applicant’s country, other financial statements acceptable to the Employer, for the last 5 (Five) years shall be submitted and must demonstrate the current soundness of the Applicant’s financial position and indicate its prospective long-term profitability.	Must meet requirement	N/A	Must meet requirement	N/A	Certified Document/ Auditor’s Report
3.2	Average Annual Construction Turnover	Minimum average annual construction turnover of US\$ 50.00 (fifty) million calculated as total certified payments received for contracts in progress and/or completed within the last 5 (Five) years.	Must meet requirement (100%)	Must meet requirement (100%)	Must meet 20%(twenty percent) of the requirement	Must meet 40% (Forty percent) of the requirement	Form FIN – 3.2

Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1 (a)	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last 10 (ten) years , starting 1st January 2004 .	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Construction & Contract Management Experience	(i) A minimum number of similar ⁷ contracts specified below that have been satisfactorily and substantially ⁸ completed as a prime contractor, Joint Venture member ⁹ , Management Contractor or Sub-contractor ⁹ between 1st January 2004 and application submission deadline: (i) Two (2) contracts, each of minimum value of US\$ 80 million ; Or	Must meet requirement	Must meet requirement ¹⁰	Foot Note ¹⁰	N/A	Form EXP 4.2(a)

⁷The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VII, Scope of Works. Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

⁸ Substantial completion shall be based on 80% or more works completed under the contract.

⁹ For contracts under which the Applicant participated as a joint venture member or sub-contractor, only the Applicant's share, by value, shall be considered to meet this requirement.

¹⁰In the case of JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members each of value equal or more than the minimum value required shall be aggregated.

Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements				Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		ii) One (1) contract of minimum value of US\$ 160 million;					
4.2 (b)	Specific Construction & Contract Management Experience	For the above and any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or sub-contractor ⁹ between 1st January 2004 and application submission deadline, a minimum construction experience in the following key activities successfully completed ¹¹ :					
4.2(b). i)	Embankment	Rehabilitation/Reconstruction and Upgrading of Embankment of minimum annual production rate in a single year of 1.5 million m³ of Earthwork (compacted to 90% dry density at optimum water content)	Must meet requirement	N/A	N/A	Must meet requirement (can be a Specialized Sub-contractor)	Form EXP – 4.2 (b)
4.2(b). ii)	Hydraulic Structure (Regulator/ Sluice/Barrage/ Spillway/ Bridge)	Reinforced Cement Concrete (RCC) work in hydraulic structures of minimum annual production rate in a single year of 6000 m³	Must meet requirement	N/A	N/A	Must meet requirement (can be a Specialized Sub-contractor)	Form EXP – 4.2 (b)
4.2(b). iii)	Protective Works	River Bank Protection/Embankment Slope Protection work covering a Slope Area (River Bank/ Embankment) of minimum 130,000 m² in a single	Must meet requirements	N/A	N/A	Must meet requirement (can be a Specialized	Form EXP – 4.2 (b)

¹¹ Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities). For the rate of production, in any one or more years during the period should be specified. The applicant must meet the mentioned volume, number or rate of production of any key activity in any one year from 1st January 2004.

Section III. Qualification Criteria and Requirements

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
	Or <u>River Training Works</u> Groyne : minimum length 200 m Or RCC Spur minimum length 300 m	year using hard materials (CC Block/ Hard Rock / Stone Boulders) in Launching Apron and Slope Volume of Earthwork involved, minimum 40,000 m ³ armored with hard materials (CC Block/ Hard Rock/ Stone Boulders) in a single year, RCC Spur (with RCC Piling) of Volume of RCC Works minimum 2500 m ³ armored with hard materials (CC Block/ Hard Rock/ Stone Boulders) in a single year,	Must meet requirement Must meet requirement	N/A N/A	N/A N/A	Sub-contractor) Must meet requirement (can be a Specialized Sub-contractor) Must meet requirement (can be a Specialized Sub-contractor)	Form EXP – 4.2 (b) Form EXP – 4.2 (b)
4.2(b). iv)	Closure Dam	Closure Dam across a flowing River of minimum depth of 17 metre (deepest point with respect to existing ground level) involving earth fill volume (inclusive of earth filled geo-bag/synthetic bag) of minimum 250,000 m ³ fortified with hard materials completed in one dry season,	Must meet requirement	N/A	N/A	Must meet requirement (can be a Specialized Sub-contractor)	Form EXP – 4.2 (b)

Section IV. Application Forms

Table of Forms

(The applicants must complete and submit together with their application)

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General Construction Experience.....	37
Specific Construction and Contract Management Experience	38
Construction Experience in Key Activities	40

Application Submission Form

Date: *[insert day, month, and year]*

ICB No. and title: *[insert ICB number and title]*

To: *[insert full name of Employer]*

We, the undersigned, apply to be prequalified for the referenced ICB and declare that:

(a) We have examined and have no reservations to the Prequalification Document, including Addendum(s) No(s)., issued in accordance with Instructions to Applicants (ITA) 8: *[insert the number and issuing date of each addendum]*.

(b) We have no conflict of interest in accordance with ITA 4.6;

(c) We meet the eligibility requirements as stated ITA 4.1, we have not been suspended by the Employer based on execution of a Bid Securing Declaration in accordance with ITA 4.10;

(d) We, in accordance with ITA 24.2, plan to subcontract the following key activities and/or parts of the works:

[Insert any of the key activities identified in Section III- 4.2(a) or (b) which the Employer has permitted under the Prequalification document and which the Applicant intends to subcontract along with complete details of the sub-contractors, their qualification and experience]

(e) We declare that the following commissions, gratuities, or fees have been paid or are to be paid with respect to the prequalification process, the corresponding bidding process or execution of the Contract:

<u>Name of Recipient</u>	<u>Address</u>	<u>Reason</u>	<u>Amount</u>
<i>[insert full name for each occurrence]</i>	<i>[insert street/ number/city/country]</i>	<i>[indicate reason]</i>	<i>[specify amount currency, value, exchange rate and US\$ equivalent]</i>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

[If no payments are made or promised, add the following statement: "No commissions or gratuities have been or are to be paid by us to agents or any third party relating to this Application"]

(f) We understand that you may cancel the prequalification process at any time and that you are neither bound to accept any Application that you may receive nor to invite the prequalified Applicants to bid for the contract subject of this prequalification process, without incurring any liability to the Applicants, in accordance with ITA 26.1.

(g) All information, statements and description contained in the Application are in all respect true, correct and complete to the best of our knowledge and belief.

Signed *[insert signature(s) of an authorized representative(s) of the Applicant]*

Name *[insert full name of person signing the Application]*

In the capacity of *[insert capacity of person signing the Application]*

Duly authorized to sign the Application for and on behalf of: Applicant's Name *[insert full name of Applicant or the name of the JV]*

Address *[insert street number/town or city/country address]*

Dated on *[insert day number]* day of *[insert month]*, *[insert year]*

[For an a joint venture, either all members shall sign or only the authorized representative, in which case the power of attorney to sign on behalf of all members shall be attached]

Form ELI -1.1

Applicant Information Form

Date: *[insert day, month, year]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Applicant's name <i>[insert full name]</i>
In case of Joint Venture (JV), name of each member: <i>[insert full name of each member in JV]</i>
Applicant's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Applicant's actual or intended year of incorporation: <i>[indicate year of Constitution]</i>
Applicant's legal address [in country of registration]: <i>[insert street/ number/ town or city/ country]</i>
Applicant's authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate e-mail address]</i>
1. Attached are copies of original documents of ☐ Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITA 4.5. ☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.2. ☐ In case of Government-owned enterprise or institution, in accordance with ITA 4.9 documents establishing: • Legal and financial autonomy • Operation under commercial law • Establishing that the Applicant is not dependent agency of the Employer
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form ELI -1.2

Applicant's JV Information Form

[The following form is additional to Form ELI – 1.1., and shall be completed to provide information relating to each JV member (in case the Applicant is a JV) as well as any Specialized Sub-contractor proposed to be used by the Applicant for any part of the Contract resulting from this prequalification]

Date: *[insert day, month, year]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Applicant name: <i>[insert full name]</i>
Applicant's JV Member's name: <i>[insert full name of Applicant's JV Member]</i>
Applicant's JV Member's country of registration: <i>[indicate country of registration]</i>
Applicant JV Member's year of constitution: <i>[indicate year of constitution]</i>
Applicant JV Member's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant JV Member's authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate e-mail address]</i>
1. Attached are copies of original documents of ☐ Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITA 4.5. ☐ In case of a Government-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and absence of dependent status, in accordance with ITA 4.9. 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form CON – 2

Historical Contract Non-Performance, Pending Litigation and Litigation History

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Party Name: *[insert full name]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Non-Performed Contracts in accordance with Section III, Qualification Criteria and Requirements			
☐ Contract non-performance did not occur since 1 st January <i>[insert year]</i> specified in Section III, Qualification Criteria and Requirements, Sub-Factor 2.1.			
☐ Contract(s) not performed since 1 st January <i>[insert year]</i> specified in Section III, Qualification Criteria and Requirements, requirement 2.1			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and US\$ equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for non performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements			
☐ No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2.			
☐ Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.			

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), USD Equivalent (exchange rate)
<i>[insert year]</i>	<i>[insert amount]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Employer" or "Contractor"]</i> Status of dispute: <i>[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i>	<i>[insert amount]</i>
☐ No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2. ☐ Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.			
Year of award	Outcome as percentage of Net Worth	Contract Identification	Total Contract Amount (currency), USD Equivalent (exchange rate)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Employer" or "Contractor"]</i> Status of dispute: <i>[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i>	<i>[insert amount]</i>

Form FIN – 3.1 Financial Situation

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*

Date: *[insert day, month, and year]*

Applicant's Party Name: *[insert full name]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Type of Financial information in (currency)	Historic information for previous <i>[insert number]</i> years, <i>[insert in words]</i> (amount in currency, currency, exchange rate*, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

* Refer ITA 14 for the exchange rate

2. Financial documents

[The following table shall be filled in for the Applicant and all parties combined in case of a Joint Venture]

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (US\$ equivalent)
1		
2		
3		

3. Financial documents

The Applicant and its parties shall provide copies of financial statements for *last 5 (five)* years pursuant Section III, Qualifications Criteria and Requirements, Sub-factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Applicant or in case of JV member , and not an affiliated entity (such as parent company or group member).
 - (b) be independently audited or certified in accordance with local legislation.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited.
- ☐ Attached are copies of financial statements¹² for the *last 5 (five)* years required above; and complying with the requirements

¹² If the most recent set of financial statements is for a period earlier than 12 months from the date of application, the reason for this should be justified.

Form FIN – 3.2

Average Annual Construction Turnover

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's / Joint Venture Partner's Legal Name: *[insert full name]*

Date: *[insert day, month, and year]*

Applicant's Party Name: *[insert full name]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Annual turnover data (construction only)			
Year	Amount Currency	Exchange rate*	USD equivalent
<i>[indicate calendar year]</i>	<i>[insert amount and indicate currency]</i>		
		Average Annual Construction Turnover **	

* Refer ITA 14 for date and source of exchange rate.

** Total USD equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, Clause 3.2.

Form EXP - 4.1 General Construction Experience

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

Date: *[insert day, month, year]*

Applicant JV Party Legal Name: *[insert full name]*

ICB No. and title: *[insert ICB number]*

Page *[insert page number]* of *[insert total number]* pages

[Identify contracts that demonstrate continuous construction work over the past 5(five) years pursuant to Section III, Qualification Criteria and Requirements, Sub-Factor 4.1. List contracts chronologically, according to their commencement (starting) dates.]

Starting Year	Ending Year	Contract Identification	Role of Applicant
<i>[indicate year]</i>	<i>[indicate year]</i>	Contract name: <i>[insert full name]</i> Brief Description of the Works performed by the Applicant: <i>[describe works performed briefly]</i> Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and US\$ equivalent*]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Prime Contractor" or "JV Member" or "Sub-contractor" or "Management Contractor"]</i>
		Contract name: <i>[insert full name]</i> Brief Description of the Works performed by the Applicant: <i>[describe works performed briefly]</i> Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and US\$ equivalent*]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Prime Contractor" or "JV Member" or "Sub-contractor" or "Management Contractor"]</i>
		Contract name: <i>[insert full name]</i> Brief Description of the Works performed by the Applicant: <i>[describe works performed briefly]</i> Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and US\$ equivalent*]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Prime Contractor" or "JV Member" or "Sub-contractor" or "Management Contractor"]</i>

Form EXP - 4.2(a)

Specific Construction and Contract Management Experience

[The following table shall be filled in for contracts performed by the Applicant, each member of a Joint Venture, and Specialized Sub-contractors]

Applicant's/Joint Venture Member's Name: *[insert full name]*

Date: *[insert day, month, year]*

JV Party Name: *[insert full name]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information			
Contract Identification	<i>[insert contract name and number, if applicable]</i>			
Award date	<i>[insert day, month, year, i.e., 15 June, 2010]</i>			
Completion date	<i>[insert day, month, year, i.e., 03 October, 2013]</i>			
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount	<i>[insert total contract amount in local currency]</i>		US\$ <i>[insert Exchange rate and total contract amount in US\$ equivalent]*</i>	
If member in a JV or sub-contractor, specify participation in total Contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in local currency]</i>	<i>[insert exchange rate and total contract amount in US\$ equivalent]*</i>	
Employer's Name:	<i>[insert full name]</i>			
Address:	<i>[indicate street / number / town or city / country]</i>			
Telephone/fax number	<i>[insert telephone/fax numbers, including country and city area codes]</i>			
E-mail:	<i>[insert e-mail address, if available]</i>			

* Refer ITA 14 for date and source of exchange rate.

Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management
Experience (cont.)

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	<i>[insert amount in local currency, exchange rate, US\$ in words and in Figures]</i>
2. Physical size of required works items	<i>[insert physical size of items]</i>
3. Complexity	<i>[insert description of complexity]</i>
4. Methods/Technology	<i>[insert specific aspects of the methods/technology involved in the contract]</i>
5. Construction rate for key activities	<i>[insert rates and items]</i>
6. Other Characteristics	<i>[insert other characteristics as described in Section VII, Scope of Works]</i>

Form EXP - 4.2(b)

Construction Experience in Key Activities

Applicant's Name: *[insert full name]*Date: *[insert day, month, year]*Applicant's Party Legal Name: *[insert full name]*Nominated Sub-contractor's Legal Name (as per ITA 24.2): *[insert full name]*ICB No. and title: *[insert ICB number and title]*Page *[insert page number]* of *[insert total number]* pages

All Sub-contractors for key activities must complete the information in this form as per ITA 24.2 and 24.3 and Section III, Qualification Criteria and Requirements, Clause 4.2.

1. Key Activity No. One: *[insert brief description of the Activity, emphasizing its specificity]*

Total Quantity of Activity under the contract: _____

Information				
Contract Identification	<i>[insert contract name and number, if applicable]</i>			
Award date	<i>[insert day, month, year, i.e., 15 June, 2010]</i>			
Completion date	<i>[insert day, month, year, i.e., 03 October, 2013]</i>			
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount	<i>[insert total contract amount in contract currency(ies)]</i>		US\$ <i>[insert exchange rate and total contract amount in US\$ equivalent]</i>	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year <i>[Insert extent of participation indicating actual quantity of key activity successfully completed in the role performed]</i>	Total quantity in the contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) x (ii)	
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:	<i>[insert full name]</i>			

Section IV: Application Forms

Address:	<i>[indicate street / number / town or city / country]</i>
Telephone/fax number	<i>[insert telephone/fax numbers, including country and city area codes]</i>
E-mail:	<i>[insert e-mail address, if available]</i>

2. Activity No. Two

3.

	Information
Description of the key activities in accordance with Sub-Factor 4.2(b) of Section III:	
	<i>[insert response to inquiry indicated in left column]</i>

Section V. Eligible Countries

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

In reference to ITA 5.1, for the information of the Applicants, at the present time firms and individuals, supply of goods, or contracting of works or services, from the following countries are excluded from this prequalification process:

Under ITA 5.1 (a) *Israel*

Under ITA 5.1 (b) *None*

Section –VI: Bank Policy-Corrupt and Fraudulent Practices

Section VI. Bank Policy - Corrupt and Fraudulent Practices

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011

“Fraud and Corruption

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.¹³ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;¹⁴
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;¹⁵
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;¹⁶
 - (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;¹⁷
 - (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank 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, or

¹³In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

¹⁴ For the purpose of this sub-paragraph, “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

¹⁵ For the purpose of this sub-paragraph, “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

¹⁶ For the purpose of this sub-paragraph, “parties” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

¹⁷ For the purpose of this sub-paragraph, “party” refers to a participant in the procurement process or contract execution.

- (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
 - (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
 - (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank's sanctions procedures,¹⁸ including by publicly declaring such firm 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 nominated¹⁹
 - (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank;"

¹⁸ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank's sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

¹⁹ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

PART 2 – Works Requirements

Section VII. Scope of Works

Contents

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1. Description of the Works

This proposed Contract includes Rehabilitation/Reconstruction & Upgrading of Embankments, Drainage Sluices (DS) and Flushing Inlets (FI), River Bank Protection Work (RBP), Embankment Slope Protection Work, Construction of Closure Dam etc. The major activities are provided in the Table below:

Coastal Embankment Improvement Project, Phase-I (CEIP-I)

Tender Package No.CEIP-1/ W-01

Total Estimated Quantity for Improvement of Polders

SI No.	Interventions Under CEIP	Polder 32 at Dacope District, Khulna	Polder 33 at Dacope District, Khulna	P-35/1 at Sharankhola District, Bagerhat	P-35/3 Rampal District Bagerhat	Total Quantity
		Quantity	Quantity	Quantity	Quantity	
01	Construction /Rehabilitation & Upgrading of Embankment	49.50 km (1250788 m ³)	52.50 km (997825 m ³)	62.50 km (2443220 m ³)	40.00 km (1185884 m ³)	204.50 km (5877718 m ³)
02	Construction of Drainage Sluice RCB (1.5mx1.8m) size	8 nos. (1vent=7 nos, . 3vent=1 no.)	12 nos. (1vent=10 nos, 2vent=1 no, 4vent=1 no)	15 nos. (1vent=10 nos, 2vent=3 nos, 3vent=1 no, 4vent=1 no)	4 nos. (1vent=2 nos, 2vent=1 no., 6vent=1 no)	39 nos.
03	Construction of Flushing Inlet	2 nos. 1 vent	12 nos. 1 vent	17 nos. 1 vent	10 nos. 1 vent	41 nos.
04	River Bank Protection Work with hard rock / CC block & control dumping	2.0 km	2.45 km	2.5 km	2.5 km	9.45 km
05	Slope Protection Work of Embankment with CC block	4.30 km	8.00 km	11.75 km	0.90 km	24.95 km
06	Construction of Closure Dam over flowing channel.	1 no. (water to water width of flowing channel = 200 m to 250 m & depth = about 17m)	-	-	-	1 no.
07	Re-excavation of canals	17.50 km (92924 m ³)	63.21 km (47051 m ³)	71.00 km (441107 m ³)	23.50 km (668009m ³)	175.21 km (1249091m ³)
08	Repairing of Drainage Sluice	-	-	2 nos.	-	2 nos.
09	Repairing of Flushing Inlet	21 nos.	5 nos.	3 nos.	1 No	30 nos.
10	Dismantling of Road	9.30 km	25.50 km	15.00 km	4.70 km	52.50 km
11	Dismantling of Drainage Sluice /Flushing Inlet	DS- 7 Nos FI- 4 Nnos.	DS- 12 Nos FI- 14 Nos.	DS-11 Nos FI- 22 Nos	DS- 3 Nos FI- 11 Nos	DS- 33 Nos. FI- 51 Nos

2. Construction Period

It is planned to commence the construction work by **September 2014** and complete in 36 (thirty-six) Calendar months to be reckoned from the date of issuance of letter of commencement by the Employer.

3. Site and Other Data

The Coastal Embankment Improvement Project, Phase-I ` (CEIP-I) is planned to rehabilitate the embankments, remove drainage congestion by construction of sluices and re-excavation of drainage channels. Four (4) Polders namely 32, 33, 35/1 and 35/3 have been taken on priority in the first instant. The locations of these Polders are mentioned below:

Polder 32:

The Polder is located in Upazilla Dacope under Khulna District. The Polder covers two Union Parishads (U/P), namely Sutakhali and Kamarkhola. The Polder is bounded by Sibsa and Dhaki River to the west and North, Chunkuri, Bhadra & Sutakhali Rivers to the East and South. The approximate distance of the Polder is 370.00 km from Dhaka by road. The Polder was conceived in the year of 1960 under the Coastal Embankment Project (CEP). Construction of the Polder was started in 1966-67 and completed in 1971-72. The original concept of construction of this Polder was only to protect the agricultural lands from salinity intrusion caused due to tidal inundation from the river. At present, the embankment of the Polder is under heavy threat of cyclone surge, wave attack, river erosion and increasing risks brought about by climate change. The embankment and hydraulic structures of the polder were seriously damaged by SIDR and AILA. Many segments of the embankment of the Polder are damaged, mainly by overtopping action due to Sidr and Aila. The river side slope and berm in many places are subject to severe river erosion and wave action. The length of the embankment is under sectioned than design section with drastically deteriorated condition. Many of the hydraulic structures are fully or partially damaged and some are non-functioning due to missing of gates and siltation of C/S & R/S diversion channels. The concrete surfaces of the structures are in a deteriorated condition. The loose apron both C/S & R/S are either damaged or washed away. Most of the structures have to be re-built as they are not repairable. The embankment needs to be rehabilitated and upgraded with present CEIP design section.

Polder 33:

The Polder is located in Upazilla Dacope under Khulna District. The Polder covers 5 (five) Union Parishad (U/P), namely (1) Banisanta, (2) Laudob, (3) Kalashganj (4) Dacope and (5) Bazua. The Polder is bounded by Bhadra and Chunkuri Rivers to the West, Chunkuri and Pussur River to the North and East and Dhangmari River to the South. The approximate distance of the Polder is 250.00 km from Dhaka by road. The Polder was conceived in the year of 1960 under the Coastal Embankment Project (CEP). The construction of the polder was started in the year of 1966-67 and completed in the year of 1971-72. The original concept of construction of this

Polder was only to protect the agricultural lands from salinity intrusion caused due to tidal inundation from the sea and river. At present, the embankment of the Polder is under heavy threat of cyclone surge, wave attack, river erosion and increasing risks brought about by climate change. The polder was affected by SIDR and AILA in the year of 2007 and 2009 respectively. Many segments of the embankment of the Polder were damaged mainly by overtopping due to Sidr and Aila. The river side slope and berm in many places are subject to river erosion and damaged by wave action. Almost the entirety of the embankment is under-sectioned and needs to be re-sectioned and upgraded to meet the CEIP design. Many of the hydraulic structures are partially damaged and few are non-functioning due to missing gates and silted up diversion channels. The other structures which are being functioning are not in good condition. The gates are corroded by saline water and concrete surfaces of the structures are in very poor condition. The loose apron on both C/S & R/S are either badly damaged or washed away due to lack of periodic maintenance. There is a local demand to use these structures for flushing as well as drainage in even though there is no provision for flushing. Most of the structures that are not repairable need to be replaced. The internal drainage channels have become silted up and have to be re-excavated on the basis of CEIP design.

Polder 35/1:

The Polder is located in two Upazillas namely Sharankhola and Morelganj under Bagerhat District. The Polder covers 5 Union Parishads (U/P) under the two Upazillas. Four U/P under Sharankhola namely 1) Khantakata, 2) Dhansagar, 3) Southkhali and 4) Rayenda and 1 (one) U/P under Morelganj namely Khaulia. The Polder is bounded by the mighty Baleswar River to the East and South, Sannashir Khal to the North and Bhola River to the West. The approximate distance of the Polder is 425.00 km from Dhaka by road. This Polder was conceived in the year of 1960 under Coastal Embankment Project (CEP). Construction of the Polder was started in 1961 and completed in 1968 but different types of other additional structures such as drainage sluices, flushing inlets and flushing cum drainage sluices as well as re-excavation of canals, construction of closure dams etc. were carried out afterwards. Later on, the Polder was rehabilitated under Second Coastal Embankment Rehabilitation Project (CERP-11) during 1997-98. The original concept of construction of this polder was only to protect the agricultural lands from salinity intrusion caused due to tidal inundation from the sea and river and to drain out rainfall run off. In the present context, the polder embankment continues to be under threat of cyclone surge, wave attack and increasing risks brought about by climate change. Many segments of the embankment in different places were damaged during SIDR and to a lesser extent by AILA mostly by overtopping of embankment, severe wave action and river erosion. Based on storm surge and wave analysis, two types of embankment have been recommended

by the consultant. Most of the existing drainage sluices are in a very bad condition and have become almost non-functional. Many of these structures were constructed in early 1970. The concrete surfaces are severely affected by salinity. The upstream and downstream aprons of the sluices have been damaged. The loose aprons have also either been damaged or washed away. The gates of many sluices are either damaged or missing or non-functional. It is better to replace them with long lasting structures with the required ventage as per revised CEIP design condition. The internal drainage channels have become silted up and which need to be re-excavated for smooth drainage.

Polder 35/3:

The Polder is located in two Upazillas namely 1) Rampal and 2) BagerhatSadar under Bagerhat District. The Polder covers three Union Parishad (U/P) namely MalikerBer under Rampal U/Z and 1) Dema and 2) Karapare under BagerhatSadar U/Z. The Polder is surrounded by a big river Daratana to the East, Katakhal River to the South West, Bishnu River to the West and Putimari River to the North. The approximate distance of the Polder is 371.00 km from Dhaka by road. The polder was conceived in the early 1960s. Construction of the Polder was started on 1981 and completed on 1986. Cyclone is the main threat to cause damage of life and properties of the polder area. The original concept of construction of this Polder was to protect low lying coastal areas against tidal flooding and salinity intrusion, considering only the tidal effects but ignoring effects of wind, wave and cyclonic storm surges. At the present context, the polder is under moderate threat of cyclone surge and wave attack which are being magnified by climate change. The polder is vulnerable to river erosion. Many segment of the embankment have been damaged and eroded in river side slope in different places mainly due to river erosion, wave action and overtopping during SIDR. Most of the length of the embankment is under sectioned. Some places the crest level is almost down to ground level. The total length of the embankment will be re-sectioned and upgraded as per recommended CEIP design crest level. The existing structures are in a dilapidated condition. The gates do not function properly and drainage and flushing of water is taking place without any good control. The concrete surfaces of the structures have deteriorated. The reinforcement is found to be exposed in places and badly corroded in the saline environment. The internal drainage channels have silted up due to lack of maintenance for a long time. These will be re-excavated for efficient drainage within the Polder. The peripheral river named Putimari to the north of the polder is silted up due to which no water remains in the river during low tide but it gets water during the high tide which will serve the purpose of the flushing sluices exists on the periphery of this river.

Background of the Project Area

Bangladesh is a riverine country. There are more than 300 rivers in Bangladesh of which 57

are trans-boundary. Out of 57 trans-boundary rivers, 54 enter from India and 3 from Myanmar. It has a total area of 144,000 sq km and is surrounded to the west, north and east by India and shares a south-western border with Myanmar for 283 Km. To the south is the Bay of Bengal. The life and livelihood have been revolving around water of those rivers over the ages. The Ganges, the Brahmaputra (Jamuna) and the Meghna river system drain of about 1350 billion cubic metre discharge for total catchments area of about 1.72 million sq km through Bangladesh into Bay of Bengal (Fig.1).

The topography of Bangladesh is mainly comprised of the fertile alluvial floodplains of three large rivers namely Ganges, Brahmaputra and Meghna with over 90% of their catchments situated outside the country. These three rivers combine within the country to form the World's third largest river, the Lower Meghna, which drains into the Bay of Bengal via a constantly changing network of estuaries, tidal creeks and active deltaic coastline of the Bay. More than fifty other local rivers also flow within Bangladesh and drain into the Bay of Bengal. This lower part of the country adjoining with the Bay of Bengal is commonly known as "**Coastal Zone**".

The climate is subtropical to tropical and temperatures range from an average daytime low of 21⁰C in the cooler months of the year to 35⁰C in the hottest months. Annual rainfall varies from 1000 mm to 5000 mm with three-quarters of the rainfall occurring in between May and September. A substantial area of the country remains flooded during a normal monsoon season.

The population is close to 160 million, making it one of the densely populated countries in the world. Bangla is the national language of Bangladesh. Being predominantly agricultural, the average per capita income is US\$ 690.00. The population is predominantly Muslim with some 10% Hindu along with minorities of Buddhism and Christianity.

The life and livelihood have been revolving around water of those rivers over the ages. The Ganges, the Brahmaputra (Jamuna) and the Meghna river system drain of about 1350 billion cubic metre discharge for total catchments area of about 1.72 million sq km through Bangladesh into Bay of Bengal (Fig.1).

Major Sea Port: Chittagong is the main busy seaport of Bangladesh. Mongla (near Khulna) is the other seaport.

Land Port: Benapole in District Jeshore, Bhomra in District Satkhira, Banglabandha in District Thakurgaon, Hilli in District Dinajpur, and Burimari in District Lalmonirhat

Airports: Dhaka and Chittagong are the standard international airports whereas Sylhet is a

smaller international airport with limited facilities. Other national airports are; Saidpur, Rajshahi, Jeshore, and Cox'sbazar.

The Project Area lies in South and South Western part of Bangladesh and spread over in the districts of Khulna and Bagerhat. Project Area is accessible by road and waterway. It is also accessible by air and road. It is about 6-7 hours drive from capital city Dhaka.

Vulnerability of Coastal Areas:

To counter the problems of frequent inundation by high tides and salinity intrusion, 139 Polders have been constructed in the coastal region of Bangladesh over the last 50 years period to protect 1.2 million hectares of land for permanent agriculture and the peoples residing in the coastal areas.

The Polders' embankments continue to be under threat of cyclone surges, wave attack and increasing risk brought about by climate changes. Most of the drainage sluices were built in early sixties & are in a very bad condition and have become almost non-functional. Concrete surfaces are severely affected by salinity. Upstream and downstream aprons of the sluices have also been damaged. Gates of many sluices are either damaged or missing or non-functional. Internal drainage channels have been silted up requiring re-excavation for smooth drainage.

Natural Hazards

Bangladesh experiences frequent natural disasters, loss of life, damage to infrastructure and other economic assets, which adversely impacts lives and livelihoods, especially of the poor people. Different regions of the country are affected differently by the various natural hazards. Climate change is expected to exacerbate many of the current problems and natural hazards that Bangladesh faces. This is due to its unique combination of physiographic, morphological and other natural features which have lead to the direct loss of life and physical property on a massive scale. The natural calamities are floods, cyclones and storm surges, and earthquakes are outlined below;

i) Cyclonic Storm Surge

Coastal flooding associated with storm surges is one of the world's foremost natural hazards in terms of loss of life and property damage. Storm surges are rapid sea level variations induced by cyclone wind fields. Cyclonic storms affecting the coastal region of Bangladesh cause heavy loss of life and property. The coastal regions bordering the Bay of Bengal suffer the worst because most of the tropical cyclones have genesis over the Bay of Bengal and strike the coast of Bangladesh. About one-tenth of the global total cyclones forming in

different regions of the tropics occur in the Bay of Bengal. About one-sixth of tropical storms generated in the Bay of Bengal usually hit the Bangladesh coast. In many cases the observed maximum water level was 4-12m and the death toll was 4000 to 3000,000. The main factors contributing to disastrous surges in the Bay of Bengal, especially Bangladesh are (a) Shallow coastal water (b) Convergence of the Bay, (c) High astronomical tides (d) Thickly populated low lying island and (f) Complex coastline and a number of tidal inlets including one of the World's largest river system Ganga-Brahmaputra-Meghna. Bangladesh Meteorological Department (BMD) forecasts the propagation of cyclone track, timing and location of landfall quite accurately. Historical records (Table-4.6) show that the Noakhali-Chittagong coast and Barisal-Noakhali coast are much more vulnerable for storm surges having maximum storm surge height of 13.64 m. The Khulna-Sundarban coastal region experiences storm surges with height ranging from 0.61 to 4.55 m.

TABLE-8: HISTORICAL RECORDS OF STORM SURGE

Coast	Range of Storm height (m)
Khulna Sundarban	0.61-4.55
Barisal Pataukhali-Noakhali	0.6-13.03
Noakhali-Chittagong	0.90-13.64
Chittagong-Cox's Bazar	0.90-5.15

ii) Increasing Frequency and Intensity of Tropical Cyclones:

As the most vulnerable country in the world to tropical cyclones, 60% of the worldwide deaths caused by cyclones in the last 20 years were in Bangladesh. A severe tropical cyclone hits Bangladesh on average every 3 years. These storms generally form in the Bay of Bengal in the months just before and after the monsoon and are accompanied by high winds of over 150 km per hr which can result in storm surges up to seven meters high. These storms can, therefore, result in losses of lives and livelihoods and extensive damages to houses and infrastructure in the coastal areas. The storm surges tend to be higher in Bangladesh than in neighboring countries because the Bay of Bengal narrows towards the north, where Bangladesh is located. Two recent tropical cyclones 'Sidr' and 'Aila' caused extensive damages. 'Sidr' struck the south-west coast of Bangladesh on 15 November 2007, affecting 2.3 million households and causing damage and losses estimated around US\$1.7 billion. 'Aila' struck the southern coast of

Bangladesh on 25 May 2009 affecting nearly 5 million people and causing infrastructure damage of over US\$60 million. Climate change is expected to increase the frequency and intensity of tropical cyclones. With higher wind speeds and storm surges, these storms are expected to cause even more damages in the coastal regions.

iii) Flooding

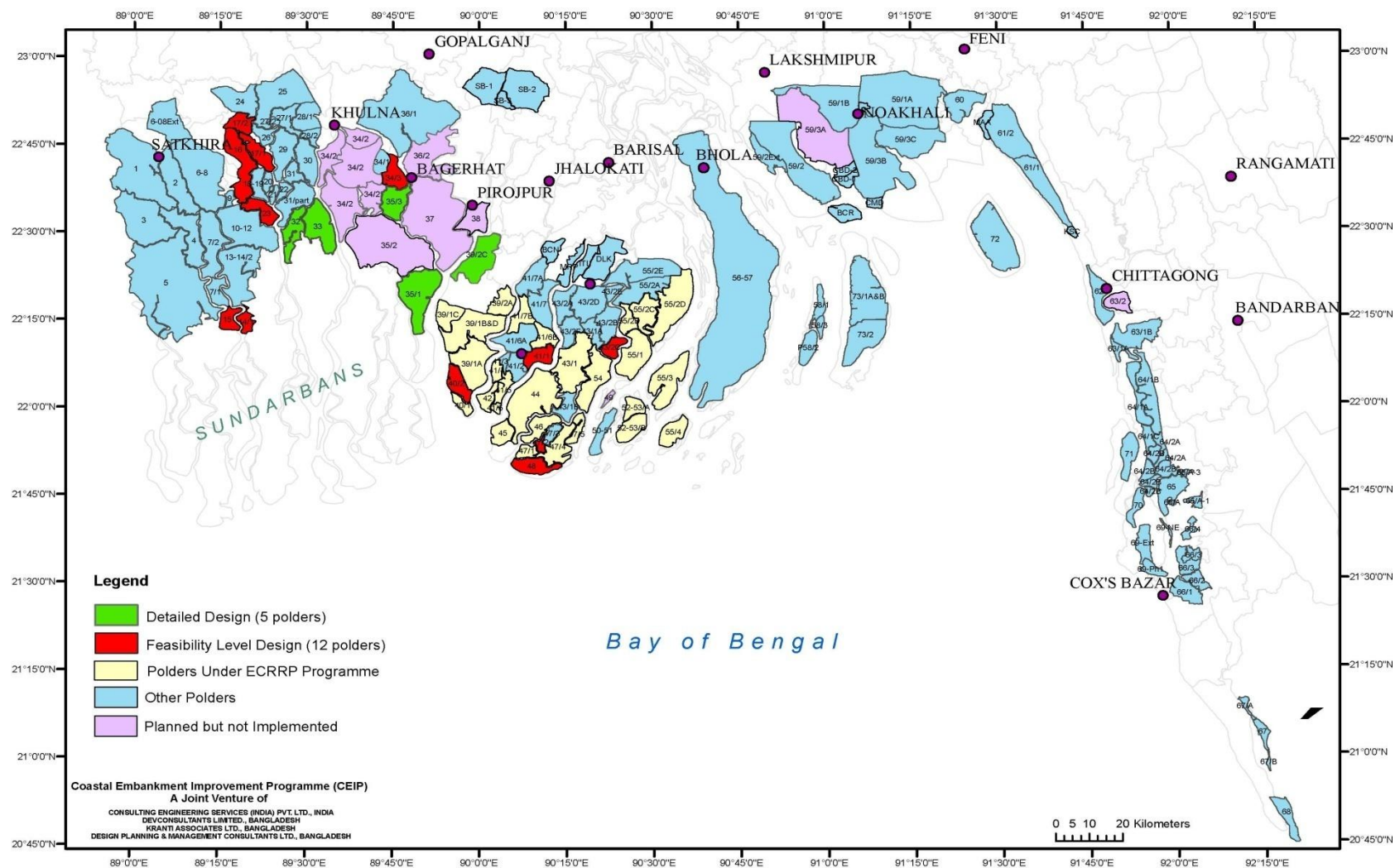
Flood is a common phenomenon in Bangladesh. The major cause of flood is monsoon rainfall runoff from upstream catchments. More than 93 percent of runoff is from outside Bangladesh. Bangladesh is the sixth most vulnerable country to floods in the world. Most of Bangladesh lies in the delta of 3 of the largest rivers in the world, the Ganges-Brahmaputra-Meghna basin – with globally the second highest water flow during the flood season. In most years between 30-50% of the country is affected by floods. These cause losses in agriculture, damages to households and livelihoods. However, every 4 to 5 years, there is a major flood that inundates 60% of the country and cause losses of life, substantial damage to infrastructure, housing, agriculture and livelihoods. In the last 25 years, Bangladesh has experienced six severe floods. In 2007, two successive floods inundated over 70% of the country, destroyed over 85,000 houses, affected almost 1 million households and destroyed 1.2 million acres of crops. Total estimated damage from these floods was over US\$1 billion.

It has been observed that land development works need to be conducted to a certain height for avoiding flood. The equipments of intake pump, treatment plant pump and machineries, distribution reservoir pumping station must keep 1m above the highest flood level.

iii) Earthquake

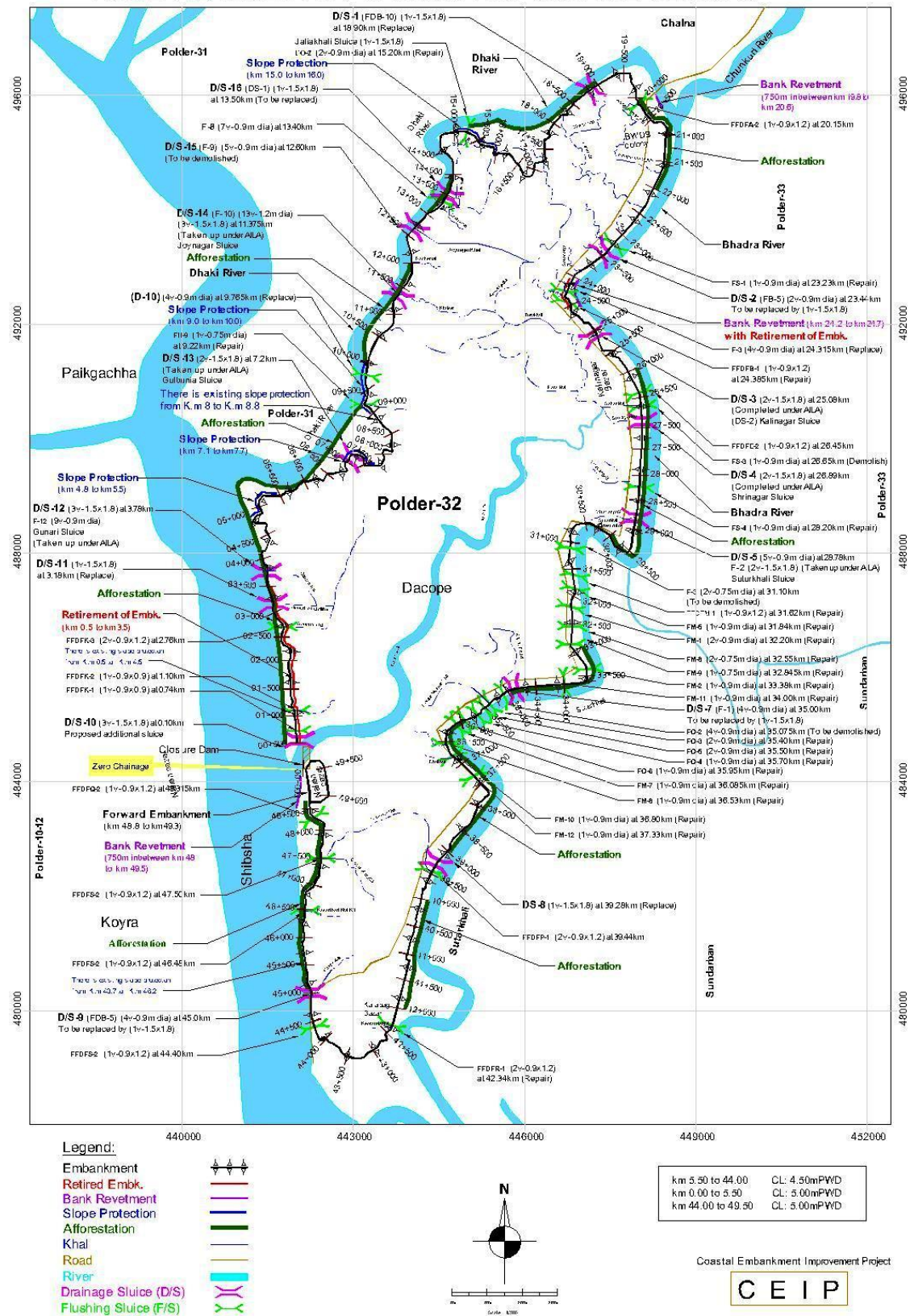
Bangladesh and northeast Indian states have long been one of the seismically active regions of the world, and they have experienced numerous large earthquakes during the past 200 years at an average rate of one in every 30 years.

The catastrophic earthquakes of 1762 and 1782 are believed to have been partially responsible for the diversion of the Old Brahmaputra River from the west of Mymensingh to the present Jamuna Channel and the diversion of the Ganges River from its main Arial Khan distributaries to the present Padma channel. Since 1860 over 20 shallow and intermediate major earthquake epicenters have been recorded in Bangladesh and surrounding area.

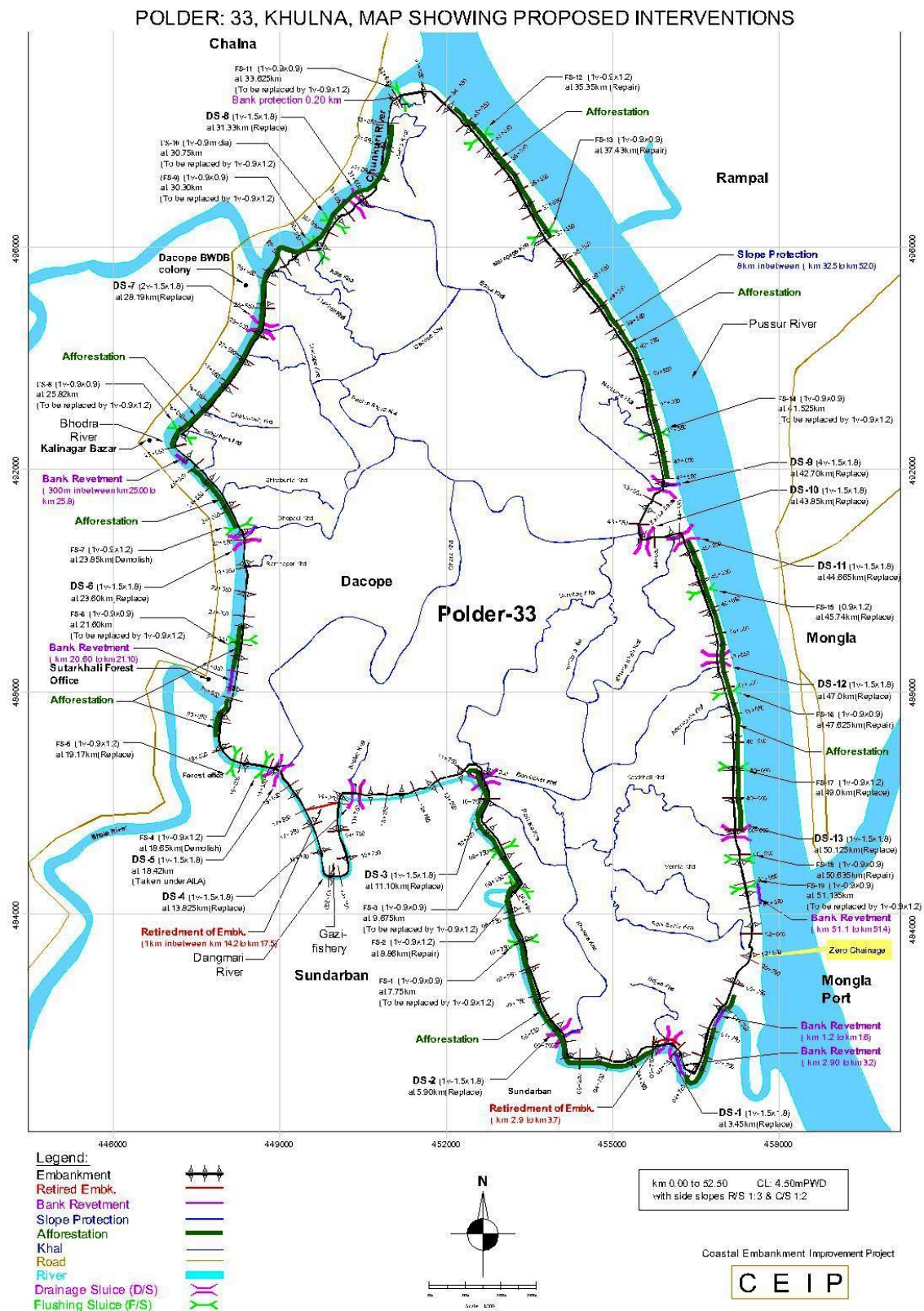


Coastal Embankment Improvement Project, Phase-I (CEIP-I)
Bangladesh Water Development Board (BWDB)

POLDER: 32, KHULNA, MAP SHOWING PROPOSED INTERVENTIONS

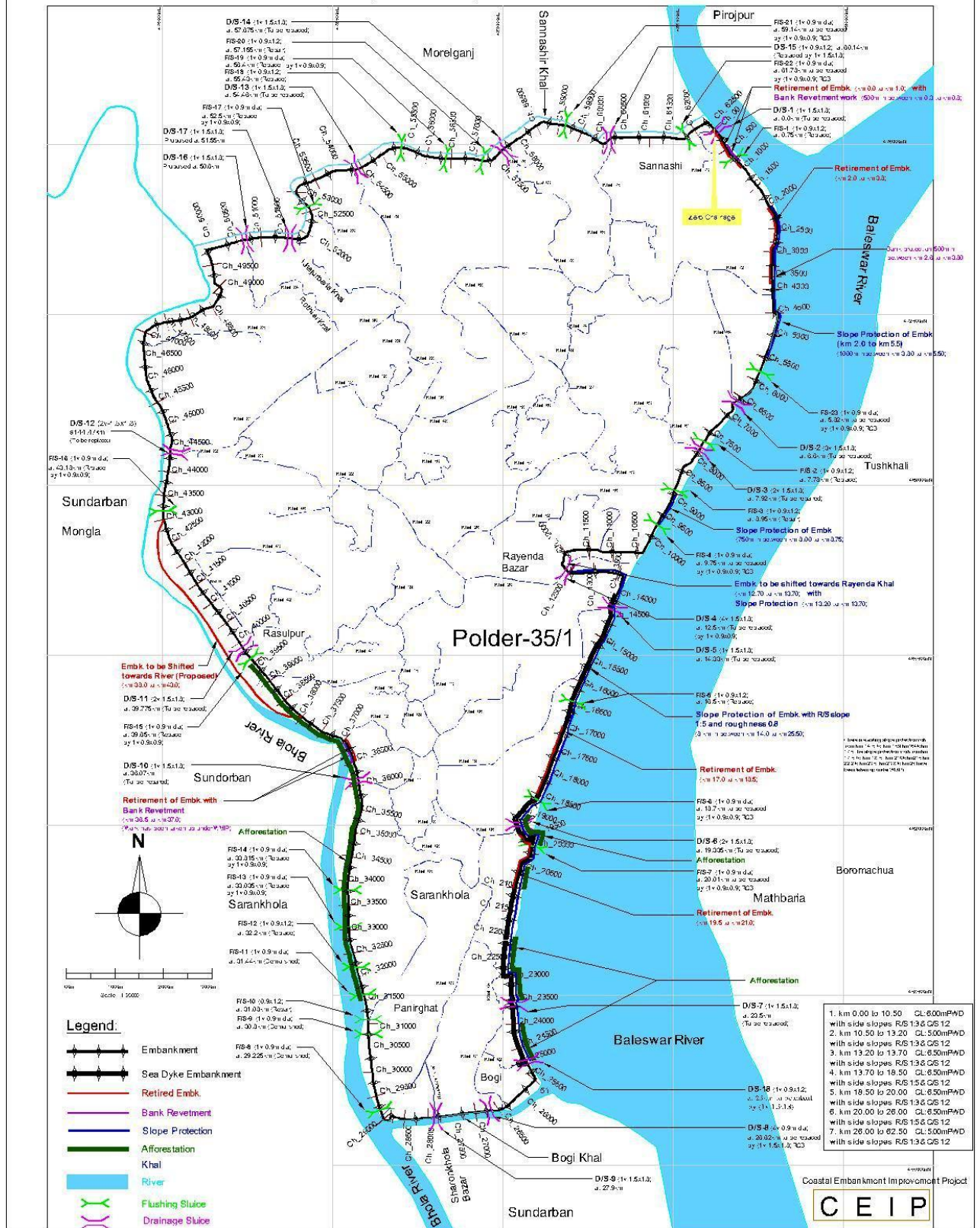


Coastal Embankment Improvement Project, Phase-I (CEIP-I)
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Coastal Embankment Improvement Project, Phase-I (CEIP-I) Bangladesh Water Development Board (BWDB)

POLDER: 35/1, BAGERHAT, MAP SHOWING INTERVENTIONS



Coastal Embankment Improvement Project, Phase-I (CEIP-I)
Bangladesh Water Development Board (BWDB)

