

Issued to:.....

BANGLADESH WATER DEVELOPMENT BOARD



**PRE-QUALIFICATION DOCUMENT
FOR PROCUREMENT OF WORKS (INTERNATIONAL)**

FOR

**PROTECTIVE WORK OF 4(FOUR) NOS. CROSS BAR/CLOUSURE
CONSTRUCTED BY DREDGED SPOIL AND ADJACENT AREA
(RECLAIMED LAND) AT UZAZILA: SIRAJGONJ SADAR, DISTRICT:
SIRAJGONJ**

**PROJECT DIRECTOR
PROJECT MANAGEMENT UNIT (PMU)
CAPITAL (PILOT) DREDGING OF THE RIVER SYSTEM IN
BANGLADESH (CDRSB)**

Invitation for Pre-qualification No: CDRSB/PQ-01/2013-20114

Issued on: 05-09-2013

Tender Package No: CDRSB-07

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Section 1. Instructions to Applicants

A. General

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|--------------------------------|---|
| 1. Scope of Application | <p>1.1 The Employer, as indicated in the Application Data Sheet (ADS) issues this Pre-qualification Document for the international procurement of Works and associated Services incidental thereto as specified in the ADS. The name of the subsequent Tender and the number and identification of its constituent lot(s) are stated in the ADS.</p> <p>1.2 The successful Applicant and thereafter the Tenderer shall be required to execute the works and physical services as would be specified in the subsequent Tender.</p> |
| 2. Interpretation | <p>2.1 Throughout this Pre-qualification Document:</p> <ul style="list-style-type: none">(a) the term “in writing” means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail;(b) if the context so requires, singular means plural and vice versa;(c) “day” means calendar days unless otherwise specified as working days;(d) “Pre-qualification Document” means the Document provided by the Employer to an Applicant as a basis for preparation of the Application; and(e) “Application” depending on the context, means an Application submitted by an Applicant for pre-qualification to participate in the subsequent Tenders and to perform the Contract, in response to an Invitation for Pre-qualification. |
| 3. Source of Funds | <p>3.1 The Employer has been allocated ‘public funds’ as indicated in the ADS and intends to apply a portion of the funds to eligible payments under the Contract for which this Pre-qualification Document is issued.</p> <p>3.2 For the purpose of this provision, “public funds” means any funds allocated to the Employer under Government budget, or loan, grants and credits placed at the disposal of the Employer through the Government by the Development Partners or foreign states or organisations.</p> |

- 3.3 Payments by the Development Partner, if so indicated in the ADS, will be made only at the request of the Government and upon approval by the Development Partner or foreign state or organisation in accordance with the applicable Loan / Credit / Grant Agreement, and will be subject in all respects to the terms and conditions of that Agreement.

4. Corrupt, Fraudulent, Collusive or Coercive Practices

- 4.1 The Government requires that Employer, as well as Applicants, Tenderers and Contractors shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under public funds.
- 4.2 The Government requires that Employer, as well as Applicants, Tenderers and Contractors shall, during the Procurement proceedings and the execution of Contracts under public funds, ensure-
- (a) strict compliance with the provisions of Section 64 of the Public Procurement Act, 2006;
 - (b) abiding by the code of ethics as mentioned in the Rule 127 of the Public Procurement Rules, 2008;
 - (c) that neither it's any officer nor any staff nor any other agents nor intermediaries working on its behalf engages in any such practice as detailed in ITA Sub Clause 4.2(b).
- 4.3 For the purposes of ITA Sub Clause 4.2, the terms set forth below as follows:
- (a) **"corrupt practice"** means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of the Employer or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by the Employer in connection with a Procurement proceeding or Contract execution;
 - (b) **"fraudulent practice"** means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;
 - (c) **"collusive practice"** means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Employer, that is designed to arbitrarily reduce the number of Applications or subsequent Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying the Employer the benefits of competitive price arising from genuine and open competition;
 - (d) **"coercive practice"** means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Applications or subsequent Tenders.
- 4.4 Should any corrupt, fraudulent, collusive or coercive practice of any

kind come to the knowledge of the Employer, it will, in the first place, allow the Applicant to provide an explanation and shall, take actions only when a satisfactory explanation is not received. Such decision and the reasons thereof, shall be recorded in the record of the procurement proceedings and promptly communicated to the Applicant concerned. Any communications between the Applicants and the Employer related to matters of alleged fraud or corruption shall be in writing.

- 4.5 If corrupt, fraudulent, collusive or coercive practices of any kind is determined by the Employer against any Applicant alleged to have carried out such practices, the Employer shall :
 - (a) exclude the concerned Applicant from further participation in the particular Procurement proceeding; or
 - (b) reject any recommendation for award that had been proposed for that concerned Applicant; or
 - (c) declare, at its discretion, the concerned Applicant to be ineligible to participate in further Procurement proceedings, either indefinitely or for a specific period of time.
- 4.6 Applicants shall be aware of the provisions on corruption, fraudulence, collusion and coercion in Section 64 of the Public Procurement Act, 2006 and Rule 127 of the Public Procurement Rules, 2008.

5. Eligible Applicants

- 5.1 This Invitation for Pre-qualification is open to all potential Applicants from all countries, except for any specified in the ADS. An Applicant will be eligible if it is a citizen, or is constituted, registered and operates in conformity with the provisions of the laws of that country.
- 5.2 Applicants may be a physical or juridical individual or body of individuals, or company, association or any combination of them in the form of a Joint Venture, Consortium or Association (JVCA) invited to take part in public procurement or seeking to be so invited or submitting a Applicant in response to an Invitation for Pre-qualification.
- 5.3 A Government-owned enterprise in Bangladesh shall be eligible to participate in the pre-qualification process if it is legally and financially autonomous, it operates under commercial law, and it is not a dependent agency of the Employer.
- 5.4 Applicants shall have the legal capacity to enter into the Contract under the Applicable Law.
- 5.5 Applicants and all parties constituting the Applicant shall not have a Conflict of Interest.
- 5.6 Applicants in its own name or its other names or also in the case of its Persons in different names shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive or coercive practices as stated under ITA Sub Clause 4.5.
- 5.7 Applicants with a poor performance, consistent history of litigation or arbitration awards against it shall not be eligible for

pre-qualification.

- 5.8 Applicants shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.
- 5.9 Applicants shall have fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of the country of its origin.
- 5.10 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer will reasonably request.
- 5.11 Applicants' requirements for eligibility will extend, as applicable, to each JV partner and Specialist Subcontractor proposed by the Applicant.

**6. Eligible
Materials,
Equipment
and
Associated
Services**

- 6.1 All materials, equipment and associated services to be supplied under the Contract are from eligible sources, unless their origin is from a country specified in the ADS.
- 6.2 For the purposes of this Clause, "**origin**" means the place where the Materials and Equipments are mined, grown, cultivated, produced or manufactured or processed, or through manufacturing, processing, or assembly, another commercially recognized new product results that differs substantially in its basic characteristics from its components or the place from which the associated services are supplied.

7. Site Visit

- 7.1 Applicants are advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Application, submission of subsequent Tender and entering into a contract for construction of the Works.
- 7.2 Applicants and any of its personnel or agents will be granted permission by the Employer to enter into its premises and lands for the purpose of such visit, but only upon the express condition that the Applicant, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 7.3 The costs of visiting the Site shall be at the Applicants' own expense.

B. Pre-qualification Document

**8. Pre-
qualification:
General**

- 8.1 The Sections comprising the Pre-qualification Document are listed below, and should be read in conjunction with any Addendum issued under ITA Clause 11.
 - Section 1 Instructions to Applicants(ITA)
 - Section 2 Application Data Sheet (ADS)

- Section 3 Application Forms
- Section 4 Scope of Works

8.2 The Employer will not take into consideration any Application if the Pre-qualification Document was not directly purchased from, or issued by the Employer, or through its agent(s) as stated in the ADS.

8.3 Applicants are expected to examine all instructions, forms, terms, and specifications in the Pre-qualification Document as well as in Addendum to Pre-qualification, if any.

9. Clarification of Pre-qualification Document

9.1 Applicants requiring any clarification of the Pre-qualification Document shall contact the Employer in writing at the Employer's address indicated in the ADS before **two-third** of the time allowed for preparation and submission of Application elapses.

9.2 The Employer is not obliged to answer any clarification request received after that date as stated under ITA Sub Clause 9.1.

9.3 The Employer shall respond in writing within five (5) working days of receipt of any such request for clarification received under ITA Sub Clause 9.1.

9.4 The Employer shall forward copies of its response to all those who have purchased or have been issued with the Pre-qualification Document, including a description of the enquiry but without identifying its source.

9.5 Should the Employer deem it necessary to revise the Pre-qualification Document as a result of a clarification, it will do so following the procedure under ITA Clause 11 and ITA Sub Clause 31.2.

10. pre- Pre-qualification Meeting

10.1 To clarify issues and to answer questions on any matter arising in the Pre-qualification Document, the Employer may, if stated in the ADS, hold a pre-Pre-qualification Meeting at the place, date and time as specified in the ADS. All Applicants are encouraged and invited to attend the meeting, if it is held.

10.2 Minutes of the pre-Pre-qualification meeting, including the text of the questions raised and the responses given, together with any responses prepared after the meeting, will be transmitted within seven (7) days of holding the meeting to all those who purchased or obtained the Pre-qualification Document and, to even those who did not attend the meeting. Any revision to the Pre-qualification Document listed in ITA Sub Clause 8.1 that may become necessary as a result of the pre- Pre-qualification meeting will be made by the Employer exclusively through the issue of an Addendum pursuant to ITA Sub Clause 11 and not through the minutes of the pre- Pre-qualification meeting.

10.3 Non-attendance at the pre- Pre-qualification meeting will not be a cause for disqualification of an Applicant.

11. Addendum to Pre-

11.1 At any time prior to the deadline for submission of Applications, the Employer, on its own initiative or in response to an inquiry in writing

**qualification
Document**

from an Applicant, having purchased the Pre-qualification Document, or as a result of a pre- Pre-qualification meeting may revise the Pre-qualification Document by issuing an Addendum.

- 11.2 The Addendum issued under ITA Sub Clause 11.1 shall become an integral part of the Pre-qualification Document and shall have a date and an issue number and must be circulated by fax, mail or e-mail, to Applicants who have purchased or been issued with the Pre-qualification Documents within five **(5)** working days of issuance of such Addendum, to enable Applicants to take appropriate action.
- 11.3 Applicants shall acknowledge receipt of an Addendum within three **(3)** working days.
- 11.4 The Employer shall also ensure posting of the relevant Addenda with the reference number and date on their websites including notice boards, where the Employer had originally posted the IFPs.
- 11.5 Applicants who have purchased or been issued with the Pre-qualification Documents and, have not received any Addenda issued under ITA Sub Clause 11.1 shall inform the Employer of the fact by fax, mail or e-mail, before **two- third** of the time allowed for the submission of Application has elapsed.
- 11.6 To give potential Applicants a reasonable time in which to take an Addendum into account in preparing its Application, the Employer may, at its discretion, extend the deadline for the submission of Application as stated under Sub Clause 31.2.
- 11.7 If an Addendum is issued when time remaining is less than **one-third** of the time allowed for the preparation of Applications, the Employer shall extend the deadline by an appropriate number of days for the submission of Applications, depending upon the nature of the Procurement requirement and the addendum. The minimum time for such extension shall not be less than three **(3)** days.

C. Qualification Criteria

**12.
Qualification**

- 12.1 Applicants shall be able to abide by the professional and ethical standards set out in Section 64 of the Public Procurement Act, 2006 and Rule 127 of the Public Procurement Rules, 2008.
- 12.2 The Employer requires the Applicants to be qualified by meeting predefined, precise minimum requirements, which entails setting pass/fail criteria, which if not met by the Applicants, will result in consideration of its Application as disqualified.
- 12.3 In addition to meeting the eligibility criteria, as stated under ITA Clause 5, the Applicant shall satisfy the other criteria as stated under ITA Clauses 12 to 19 inclusive.
- 12.4 Applicants, with regard to professional and technical capacity to execute Works they are applying for, shall possess:
 - (i) the professional and technical qualifications;

- (ii) managerial capability;
 - (iii) satisfactory reputation for diligent and non-problematic performance of contracts; and
 - (iv) appropriate personnel required to perform the contract; both in terms of numbers and skills.
- 12.5 To qualify for a multiple number of lots in a package for which Applications are invited in the Invitation for Pre-qualification, the Applicants shall demonstrate having requirements and resources sufficient to meet the aggregate of the qualifying criteria for individual lots.
- 12.6 The requirements of general experience as stated under ITA Sub Clause 14.1 (a) and specific experience under ITA Sub Clause 14.1 (b) shall not be separately applicable for each individual lot.
- 13. Litigation History**
 - 13.1 Non-performance of a contract shall not occur within the last years as specified in the ADS, prior to the deadline for Application submission based on all information on fully settled disputes or litigation.
For the purpose, a fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract and where all appeal instances have been exhausted.
 - 13.2 All pending litigation shall in total not represent more than the percentage, as specified in the ADS, of the Applicant's net worth and shall be treated as resolved against the Applicant.
 - 13.3 For a Joint Venture under ITA Sub Clause 18.1, the precise minimum requirements of Leading Partner and other partners shall be as specified in the ADS.
- 14. Experience Criteria**
 - 14.1 Applicants shall have the following minimum level of construction experience to qualify for participation in the subsequent Tender and if successful, the performance of the Works under the Contract:
 - (a) a minimum number of years of general experience in the construction of works as Prime Contractor or Subcontractor or Management Contractor as specified in the ADS; and
 - (b) a minimum number of years of specific experience as a Prime Contractor or Subcontractor or Management Contractor in construction works of a nature, complexity and methods/construction technology similar to the proposed Works in at least a number of contracts over the period, as specified in the ADS; and
 - (c) satisfactory completion of similar works of a minimum value under a single or multiple numbers of contracts over a period, as specified in the ADS.
- 15. Financial Criteria**
 - 15.1 Applicants shall have the following minimum level of financial capacity to qualify for participation in the subsequent Tender and if successful, the performance of the Works under the Contract.
 - (a) the average annual **construction** turnover as specified in the ADS during the period specified in the ADS; and

- (b) the minimum Tender capacity as specified in the ADS;
- (c) availability of minimum liquid assets or working capital or credit facilities from a Bank, as specified in the ADS.

16. Personnel Capacity

- 16.1 Applicants shall have the following minimum level of personnel capacity to qualify for participation in the subsequent Tender and the performance of the Works under the Contract:
- (a) a Construction Project Manager with qualifications and experience as specified in the ADS;
 - (b) the minimum number of Engineers with qualifications and experience as specified in the ADS; and
 - (c) other key staff with qualifications and experience as specified in the ADS.

17. Equipment Capacity

- 17.1 Applicants shall own suitable equipment and other physical facilities or have proven access through contractual arrangement to hire or lease such equipment or facilities for the desired period, where necessary or have assured access through lease, hire, or other such method, of the essential equipment, in full working order, as specified in the ADS.

18. Joint Venture, Consortium or Association (JVCA)

- 18.1 Applicants may participate in the pre-qualification process and subsequent procurement proceedings by forming a Joint Venture, Consortium or Associations (JVCA) or alternately with the intent to enter into such an agreement supported by a Letter of Intent.
- 18.2 The JV agreement, indicating at least the parts of the Works to be executed by the respective partners, shall be legally entered into case-by-case in the Applicant's Leading Partner's country of origin, as specified in the ADS, duly signed by all legally authorised representatives of the Persons who are parties to such agreement.
- 18.3 Applicants, as an alternate to ITA Sub Clause 18.2, may intend to enter into a JV agreement case-by-case in the form of a Letter of Intent along with the proposed agreement, indicating at least the parts of the Works to be executed by the respective partners, duly signed by all partners of the intended JV and authenticated by an authority of the Applicant's Leading Partner's country of origin, as stated in the ADS, with the declaration that the partners will execute the Joint Venture agreement in the event the Applicant, in the first place pre-qualified and then successful in the subsequent Tender.
- 18.4 Applicants shall submit the Letter of Intent and the proposed JV agreement along with the Application.
- 18.5 For a Joint Venture under ITA Sub Clause 18.1, the precise minimum qualification requirements of Leading Partner and other partners shall be as specified in the ADS.
- 18.6 In cases where a JV partner's, personnel capacity, equipment capacity and financial capacity individually fulfils the precise minimum qualifying requirement of that particular component as specified, capacities of such partner(s) in the JV will be combined together for summation to determine the total precise minimum qualifying requirements criterion of that JV as stated under ITA Sub

Clause 18.5.

- 18.7 Each partner of the JV shall be jointly and severally liable for the execution of the Contract, all liabilities and ethical and legal obligations in accordance with the Contract terms.
- 18.8 The JV shall nominate a Representative (partner-in-charge) who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JV.
- 18.9 The composition or the constitution of a JV once formed shall not be allowed to be altered prior to signing of the Contract.
- 18.10 Alteration of partners to the composition or constitution at a date later than the signing of the Contract during execution shall be allowed by the Employer only when any of such partners is found to be incompetent or has serious difficulties which may impact the overall implementation of the proposed Works, where the incoming partner shall require to have qualifications higher than that of the outgoing partner.
- 18.11 Each partner of the JV shall complete the JV Partner Information (**Form PQW5-3**) for submission with the Application.

19. Subcontract or(s)

- 19.1 Applicants may intend to subcontract an activity or part of the Works to a Specialist Subcontractor, in which case such elements and the proposed Subcontractor shall be clearly identified and its qualifications supported by documents.
- 19.2 A Specialist Subcontractor may participate in more than one Application, but only in that capacity.
- 19.3 The Employer may require Applicants to provide more information about their subcontracting arrangements. If any Specialist Subcontractor is found ineligible or unsuitable to carry out the subcontracted tasks, the Employer may request the Applicants to propose an acceptable substitute.
- 19.4 The Employer may also select in advance Nominated Subcontractor(s) to execute certain specific components of the Works and if so, those will be specified in the ADS.
- 19.5 The successful Applicants and thereafter the Tenderer(s) shall under no circumstances assign the Works or any part of it to the Subcontractor(s).
- 19.6 Each Specialist Subcontractor shall complete the Specialist Subcontractor Information (**Form PW5-4**) for submission with the Application.

20. Domestic Preference

- 20.1 If so specified in the ADS, a national Applicant including Joint Venture comprising only national partners if pre-qualified, shall qualify for a percentage margin of '**domestic preference**' in the subsequent Tender provided the conditions set out in ITA Sub Clause 20.2 are fully met.
- 20.2 The requirements of a pre-qualified national Applicant to qualify for

'domestic preference' in the subsequent Tender shall be :

(a) for an individual firm

- (i) it is registered within Bangladesh
- (ii) it has more than fifty **(50)** percent ownership by the nationals of Bangladesh
- (iii) it does not subcontract more than twenty **(20)** percent of the Tender price, excluding provisional sums, to foreign contractors
- (iv) it meets any other requirements specified in this document

(b) for a Joint Venture

- (i) it is registered in Bangladesh
- (ii) the individual partners are registered in Bangladesh and have more than fifty **(50)** percent ownership by the nationals of Bangladesh
- (iii) it does not sub-contract more than twenty (20) percent of the Tender price ,excluding the provisional sums, to foreign contractors
- (iv) it meets any other requirements specified in this document.

20.3 The national Applicant and subsequently the Tenderer qualifying for **'domestic preference'**, as stated under ITA Sub Clause 20.2, shall receive a seven and half **(7.5)** percent margin of preference only in the evaluation of its subsequent Tender(s) while comparing the same with those of other Tenderers.

D. Application Preparation

- | | |
|--|---|
| 21. Only One Application | 21.1 Applicants shall submit only one (1) Application for each lot, either individually or as a JV. The Applicant who submits or participates in more than one (1) Application in one (1) lot will cause all the Applications of that particular Applicant to be considered disqualified. |
| 22. Cost of Submitting Applications | 22.1 Applicants shall bear all costs associated with the preparation and submission of its Application, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Pre-qualification process. |
| 23. Issuance and Sale of Pre-qualification Document | <div>23.1 The Employer shall make Pre-qualification Documents available immediately to the Applicants, requesting to obtain and willing to purchase at the corresponding price by the date the advertisement has been published in the newspaper.</div> <div>23.2 Full contact details, with mailing address, telephone and facsimile numbers and electronic mail address, as applicable, of those to whom the Pre-qualification Documents have been issued shall be recorded with a reference number by the Employer or its agents.</div> <div>23.3 There shall not be any pre-conditions whatsoever, for sale or issuance of Pre-qualification Documents and, the sale or issuance of such Document shall be permitted up to the day prior to the day of deadline for the submission of Applications.</div> <div>23.4 Pre-qualification Document posted in the designated website may also be used by the Applicants for submission of Applications, if so permitted by the Employer and specified in the</div> |

ADS.

24. Language of Application

- 24.1 The Application shall be written in the English language. Correspondences and documents relating to the Application may be written in English. Supporting documents and printed literature furnished by the Applicant that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Application, such translation shall govern.
- 24.2 Applicants shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

25. Contents of Application

- 25.1 The Application prepared by the Applicants shall comprise the following:
- (a) Application Submission Letter (**Form PQW5-1**);
 - (b) Applicant Information (**Form PQW5-2**);
 - (c) documents demonstrating that they are enrolled in the relevant professional or trade organisations registered in their country of origin;
 - (d) written confirmation authorizing the signatory of the Application to commit the Applicant;
 - (e) documents confirming the legal capacity stating that there are no existing orders of any judicial court that prevents either the Applicant or employees of that Applicant subsequently entering into or signing a Contract with the Employer;
 - (f) documents confirming that the Applicant is not insolvent, in receivership, bankrupt or in the process of bankruptcy, temporarily barred from undertaking business and shall not be the subject of legal proceedings for any of the foregoing;
 - (g) documents confirming that all claims, arbitration or other litigation cases have been satisfactorily resolved, and if not, they shall have no serious negative impact on the financial capacity of the Applicant;
 - (h) documents confirming that the Applicant has fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of its country of origin as a proof of fulfilment of taxation obligations;
 - (i) documents establishing the Applicant's eligibility to perform the contract;
 - (j) documents establishing the origin of all Materials, Equipment and services to be supplied under the Contract, as stated under ITA Clause 26;
 - (k) documents establishing the minimum qualifications of the Applicant required to be met for due performance of the Works and physical services under the contract;
 - (l) any other document as specified in the ADS.
- 25.2 In addition to the requirements stated under ITA Sub Clause 25.1, Applications submitted by a JV or proposing a Specialised Subcontractor shall include:
- (a) Joint Venture Agreement legally entered into in the Applicant's Leading Partner's country of origin, by all partners, as stated under ITA Sub Clause 18.2;

or

- (b) Letter of Intent along with the proposed agreement duly signed by all partners of the intended JV and authenticated by an authority of the Applicant's Leading Partner's country of origin with the declaration that it will execute the Joint Venture Agreement in the event the Applicant and the Tenderer is successful in the subsequent Tender, as stated under ITA Sub Clause 18.3;
- (c) the JV Partner Information (**Form PQW5-3**), as stated under ITA Sub Clause 18.11;
- (d) the Specialist Subcontractor Information (**Form PQW5-4**), as stated under ITA Sub Clause 19.6.

26. Application Submission Letter

- 26.1 Applicants shall submit the Application Submission Letter (**Form PQW5-1**), which shall be completed without any alterations to its format, filling in all blank spaces with the information requested, failing which the Application may be considered disqualified as being incomplete.

27. Documents Establishing Eligibility of the Applicants

- 27.1 Applicants, if applying as a sole Applicant, shall submit documentary evidence to establish its eligibility as stated under ITA Clause 5 and, in particular, it shall:
- (a) complete the eligibility declarations in the Application Submission Letter (**Form PQW5-1**);
 - (b) complete the Applicant Information (**Form PQW5-2**) providing photocopies of the original documents requested;
 - (f) complete the Specialist Subcontractor Information (**Form PQW5-4**), if it intends to engage any Specialist Subcontractor(s);
 - (g) provide the documents establishing eligibility as stated under ITA Clause 20.1.
- 27.2 Applicants, if applying as a partner of an existing or intended JV shall submit documentary evidence to establish its eligibility as stated under ITA Clause 5 and, it shall:
- (a) provide for each JV partner, completed JV Partner Information (**Form PQW5-3**);
 - (b) provide the JV agreement executed on a non-judicial stamp of value or equivalent as stated under ITA Sub Clause 18.2, or Letter of Intent along with the proposed agreement of the intended JV as stated under ITA Sub Clause 18.3.

28. Documents Establishing the Applicant's Qualification

- 28.1 Applicants shall complete and submit the Applicant Information (**Form PQW5-2**) and shall include documentary evidence, as applicable to satisfy the following:
- (a) details on the financial standing of the Tenderer, such as profit and loss statements and corresponding auditor's report establishing the liabilities and assets, as stated under ITA Sub Clause 13.2;
 - (b) details of general experience in construction works on case-by-case procurement proceedings performed for each of the last years along with the sums, dates and recipients, as stated under ITA Sub Clause 14.1(a) ;
 - (c) details of specific experience in construction works of similar nature and size on case-by-case procurement proceedings performed for each of the last years along with the sums, dates and recipients, as stated under ITA Sub Clauses 14.1(b) and (c);
 - (d) details of average annual **construction** turnover for a period as stated under ITA Sub Clause 15.1(a);
 - (e) details of existing commitments and works to assess the minimum Tender Capacity as stated under ITA Sub Clause 15.1(b);
 - (f) details of adequacy of working capital for the subsequent Tender i.e. access to line(s) of credit and availability of other financial resources as stated under ITA Sub Clause 15.1(c);
 - (g) details of numbers of technical and administrative personnel along with their qualification and experience proposed for the subsequent Tender as stated under ITA Clause 16;
 - (h) details of Applicant's technical facilities, available major construction equipments, measures for ensuring quality such as, ISO certification and design, research and development facilities proposed to carry out the Contract as stated under ITA Clause 17;
 - (i) details of Procuring Entities who may be contacted, if necessary, by the Employer; and
 - (i) authority to seek references from the Applicant's bankers or any other sources.
- 28.2 Applicants, if applying as an existing or intended JV, shall submit documentary evidence to establish its qualifications as stated under ITT Clauses 12,13,14,15,16 &17 and, in particular, in addition to that as stated under ITT Sub Clause 28.1, it shall submit an affidavit nominating one of the JV partners as the REPRESENTATIVE (partner-in-charge) who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution including the receipt of payments for and on behalf of the JV.
- 28.3 If '**domestic preference**' applies as stated under ITA Sub Clause 20.1, the national Applicants, individually or in Joint Ventures, applying for eligibility for '**domestic preference**' shall provide all information required to satisfy the criteria for eligibility as stated under ITA Sub Clause 20.2.

29. Format and

- 29.1 The Applicant shall prepare one (1) original of the documents

Signing of Application

comprising the Application as described in ITA Clause 21 and clearly mark it "ORIGINAL." In addition, the Applicant shall prepare the number of copies of the Application, as specified in the ADS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the ORIGINAL shall prevail.

- 29.2 The original and each copy of the Application shall be typed or written in indelible ink and shall be signed by the Person duly authorized to sign on behalf of the Applicant. This authorization shall consist of a written authorization and shall be attached to the Application Submission Letter (**Form PQW5-1**). The name and position held by each Person(s) signing the authorization must be typed or printed below the signature. All pages of the original and of each copy of the Application, except for un-amended printed literature, shall be numbered sequentially and signed or initialled by the person signing the Application.
- 29.3 In case of JV, the application of the provisions as stated under ITA Sub Clause 29.2 shall extend up to each partner of that existing or intended JV.
- 29.4 Any interlineations, erasures, or overwriting will be valid only if they are signed or initialled by the Person(s) signing the Application.
- 29.5 Person(s) signing the Application shall describe his or her name, address, position along with his or her national Identification Number, if any.

E. Application Submission

30. Sealing, Marking and Submission of Application

- 30.1 The Applicant shall enclose the original in one (1) envelope and all the copies of the Application in another envelope, duly marking the envelopes as "ORIGINAL" and "COPY." These sealed envelopes will then be enclosed and sealed in one (1) single outer envelope.
- 30.2 The inner and outer envelopes shall:
 - (a) be addressed to the Employer at the address as stated under ITA Sub Clause 31.1;
 - (b) bear the name of the Application and the Tender Package Number clearly marked "Application to Prequalify for "PROTECTIVE WORK OF 4(FOUR) NOS. CROSS BAR/CLOUSURE CONSTRUCTED BY DREDGED SPOIL AND ADJACENT AREA (RECLAIMED LAND) AT UZAZILA: SIRAJGONJ SADAR, DISTRICT: SIRAJGONJ, Application Reference No. CDRSB/PQ-02/2013-20114" as stated under ITA Sub Clause 1.1;
 - (c) bear the name and address of the Applicant;
 - (d) bear a statement "DO NOT OPEN BEFORE -----", the time and date for Application opening as stated under ITA Sub Clause 33.2;
 - (e) bear any additional identification marks as specified in the ADS.

- 30.3 The Applicant is solely and entirely responsible for pre-disclosure of Application information if the envelope(s) are not properly sealed and marked.
 - 30.4 Applications shall be delivered by hand or by mail, including courier services at the address(s), as stated under ITA Sub Clause 31.1.
 - 30.5 Applications shall be submitted on the basis of this Pre-qualification Document issued by the Employer.
 - 30.6 Applications shall be received by the Employer and kept in safe custody until opening of the same by the Tender Opening Committee.
 - 30.7 The Employer will, on request, provide the Applicant with acknowledgement of receipt showing the date and time when its Application was received.
- 31. Deadline for Submission of Application**
- 31.1 Applications shall be delivered to the Employer at the address specified in the ADS and no later than the date and time specified in the ADS.
 - 31.2 The Employer may at its discretion on justifiably acceptable grounds duly recorded, extend the deadline for submission of Applications as stated under ITA Sub Clause 31.1, in which case all rights and obligations of the Employer and Applicants previously subject to the deadline will thereafter be subject to the new deadline as extended.
- 32. Late Application**
- 32.1 Any Application received by the Employer after the deadline for submission of Applications as stated under ITA Sub Clause 31.1 shall be declared LATE, excluded, and returned unopened to the Applicant.

F. Application Opening and Evaluation

- 33. Application Opening**
- 33.1 Applications shall be opened by the Tender Opening Committee (TOC).
 - 33.2 Applications shall be opened immediately after the deadline for submission of Applications at the time and place as specified in the ADS.
 - 33.3 After opening the envelopes , details of each Application will be recorded as follows:
 - (i) the name and address of the Applicants;
 - (ii) such other details as the TOC, at its discretion, may consider appropriate.
 - 33.4 Upon completion of Application opening, all members of the TOC attending the Application opening shall sign by name, address, designation and their national Identification Numbers (if any), the Application Opening Sheet, copies of which shall be

issued to the Head of the Procuring Entity or an officer authorised by him or her and also to the members of the TOC and any authorised Consultants immediately, including the Applicant requesting for.

33.4 No Application will be considered disqualified at the Application opening stage except the LATE Application.

34. Application Evaluation

34.1 Applications shall be examined and evaluated only on the basis of the conditions, criteria and requirements defined in the Pre-qualification Document.

34.2 The Employer's **Tender Evaluation Committee (TEC)** shall examine, evaluate and qualify the Applications that are responsive to the mandatory requirements of Pre-qualification Documents in order to identify the successful Applicants, on '**pass or fail**' basis.

34.3 The Head of the Procuring Entity may form a Technical Sub-Committee (TSC) of experienced persons to assist the TEC in the examination and evaluation.

35. Evaluation Process

35.1 The TEC may consider an Application as qualified in the Evaluation, only if it is submitted in compliance with the mandatory requirements set out in the Pre-qualification Document. The evaluation process should begin immediately after application opening following **two** broad steps:

- (a) Preliminary examination
- (b) Technical examination and responsiveness

36. Preliminary Examination

36.1 Firstly, compliance, adequacy and authenticity of the documentary evidences for meeting the eligibility and qualification criterion specified in the corresponding Sections of the Pre-qualification Document shall be preliminarily examined.

36.2 Examination of the compliance, adequacy and authenticity of the documentary evidence may follow the order below:

- (a) verification of the completeness of the eligibility declarations in the Application Submission Letter (**Form PQW5-1**) as furnished in **Section 3: Application Forms**;
- (b) verification of the completeness of the Applicant Information (**Form PQW5-2**) as furnished in **Section 3: Application Forms**;
- (c) verification of the completeness of the JV Partner Information (**Form PQW5-3**) as furnished in **Section 3: Application Forms**;
- (d) verification of the completeness of the Specialist Subcontractor Information (**Form PQW5-4**) as furnished in **Section 3: Application Forms**;
- (e) verification of that the Applicant's country of origin is not ineligible;
- (f) verification of that the Applicant is enrolled in the relevant professional or trade organisations registered in its country of

origin;

- (g) verification of that the written authorisation confirming the signatory of the Applicant to commit the Application and the subsequent Tender has been attached with the Application Submission Letter (**Form PQW5-1**) as stated under ITA Sub Clause 29.2; in order to check the authenticity of the Application and the Applicant itself;
- (h) verification of the eligibility in terms of legal capacity and fulfilment of taxation obligations by the Applicant;
- (i) verification of that all the documents required, as stated under ITA Clause 28 for an Application, has been provided and requirements met by an Applicant;
- (j) verification of that all the documents required, as stated under ITA Clause 18 and ITA Clause 27.2 for a Joint Venture Application, has been provided and requirements met, if it is a joint venture Application;
- (k) verification of that the Applicant is not insolvent, in receivership, bankrupt, in the process of bankruptcy or temporarily barred;
- (l) verification of the status of claims, arbitration and other litigation cases of the Applicant as stated under ITA Clause 5 and ITT Clause 13;

37. Technical Examination and Responsiveness

- 37.1 Secondly, the TEC will evaluate the technical aspects of the Application submitted as stated under ITA Clauses 27 and 28, to confirm that all mandatory requirements have been met which may follow the order below.
- 37.2 The TEC's determination of an Applicant's responsiveness is to be based on the documentary evidence as stated under ITA Clause 25 without recourse to extrinsic evidence.
- 37.3 Information contained in an Application submission that was not requested in the Pre-qualification Document shall not be considered in evaluation of the Application.
- 37.4 An Application shall be considered responsive in the evaluation, only when it is submitted in compliance with the mandatory requirements set out in the Pre-qualification Document without material deviation or reservation.
- 37.5 If, after the examination of the conditions and the mandatory requirements of the Application, the TEC determines that the Application is not responsive in accordance with ITA Clause 25, it shall consider the Application disqualified.
- 37.6 If an Application is considered disqualified by the TEC, it will not subsequently be made qualified by correction of the material deviation or reservation.

38. Clarification on Application

- 38.1 The TEC may ask the Applicants for clarification on their Applications about specific matters, in order to facilitate the examination and evaluation of Applications. The request for clarification by the TEC and the response from the Applicants shall be in writing, and Application clarifications which may lead

to a change in the substance of the Application or in any of the key elements of the Application will neither be sought nor be permitted.

38.2 Any request for clarifications by the TEC shall not be directed towards making an apparently disqualified Application qualified and reciprocally the response from the concerned Applicant shall not be articulated towards any addition, alteration or modification to its Application.

38.3 If an Applicant does not provide clarifications of its Application by the date and time set in the TEC's written request for clarification, its Application shall not be considered in the examination and evaluation.

38.4 Requests for clarifications on Applications shall be duly signed only by the TEC Chairperson.

39. Restrictions on Disclosure of Information Relating to Pre-qualification Process

39.1 Following the opening of Applications until issuance of Notification of Pre-qualification no Applicant shall, unless requested to provide clarification on its Application or unless necessary for submission of a complaint, communicate with the concerned Employer.

39.2 Applicants shall not seek to influence in anyway, the examination and evaluation of the Applications.

39.3 Any effort by an Applicant to influence the Employer in its decision concerning the examination and evaluation of Applications may result in the consideration its Application as disqualified as well as further action in accordance with Section 64 (5) of the Public Procurement Act, 2006.

39.4 All clarification requests shall remind the Applicants of the need for confidentiality and that any breach of confidentiality on the part of the Applicant may result in their Application being disqualified.

40. Rejection of All Applications

40.1 The Employer may, in the circumstances when evidence of professional misconduct affecting seriously the Procurement process has been established, reject all Applications following recommendations from the TEC only after the approval of such recommendations by the Head of the Procuring Entity.

40.2 The Employer, on justifiable grounds, may annul the Procurement proceedings with prior approval of the Head of the Procuring Entity, any time prior to the deadline for submission of subsequent Tenders following specified procedures.

40.3 All Applications received by the Employer shall be returned unopened, where applicable, to the Applicants in the event Procurement proceedings are annulled under ITT Sub Clause 40.2.

41. Informing Reasons for

41.1 Notice of the rejection will be given promptly within seven (7) days of decision taken by the Employer to all Applicants and, the

Rejection

Employer will, upon receipt of a written request, communicate to any Applicant the reason(s) for its rejection but is not required to justify those reason(s).

G. Pre-qualification

42. Pre-qualification of Applicants

42.1 All Applicants who's Applications have met or '**passed**' the minimum specified requirements will, to the exclusion of all others, be pre-qualified by the Employer.

42.2 There shall be no upper limit of Pre-qualified Applicants.

43. Conditional Pre-qualification of Applicants

43.1 The number of pre-qualified Applicants while is below minimum three (3), "**conditional Pre-Qualification**" may be permitted by the Employer, which shall mean that the Applicant substantially meets the qualification criteria apart from some minor deficiencies.

43.2 The "**conditionally pre-qualified**" Applicants must rectify such minor deficiencies identified by the TEC prior to submission of its subsequent Tenders.

44. Notification of Pre-qualification

44.1 The Employer, upon completion of the examination and evaluation of the Applications with approval of the Head of the Procuring Entity, shall notify all Applicants in writing, of the names of those Applicants who have been pre-qualified.

45. Debriefing of Applicants

45.1 The Employer shall, upon receipt of a request from an unsuccessful Applicant, notify that Applicant in writing of the grounds for its exclusion, but the Employer is not bound to provide any further information or explanation of those grounds.

45.2 In the case of debriefing, confidentiality of the examination and evaluation process shall be maintained.

46. Right to Complain

46.1 Any Applicant has the right to complain if it has suffered or likely to suffer loss or damage due to a failure of a duty imposed on the Employer to fulfil its obligations in accordance with Section 29 of the Public Procurement Act 2006 and Part 12 of Chapter Three of the Public Procurement Rules, 2008.

46.2 Circumstances in which a formal complaint may be lodged in sequence by an Applicant against a Employer pursuant to Rule 56 of the Public Procurement Rules, 2008, and the complaints, if any, be also processed pursuant to Rule 57 of the Public Procurement Rules 2008.

46.3 The Applicant shall submit his or her complaint in writing within seven (7) calendar days of becoming aware of the circumstances giving rise to the complaint.

- 46.4 In the first instance, the Applicant shall submit his or her complaint to the Employer who issued the Pre-qualification Document.
 - 46.5 The place and address for the first stage in the submission of complaints to the administrative authority is provided in the ADS.
 - 46.6 An Applicant may appeal to a Review Panel only when that Applicant has exhausted all his or her options of complaints to the administrative authority as stated under ITA Sub Clause 46.2.
- 47. Invitation for Tenders**
- 47.1 Promptly after the Notification of Pre-qualification, the Employer shall invite subsequent Tenders from only the Applicants that have been pre-qualified as stated under ITA Sub Clause 44.1.
- 48. Changes in Qualifications of Applicants**
- 48.1 Any change in the structure or formation, after an Applicant being pre-qualified and invited to tender, shall not be permitted to submit Tender without the written approval of the Head of Procuring Entity prior to the deadline for submission of Tenders.
 - 48.2 Such approval shall be denied if as a consequence of the change the Applicant no longer substantially meets the qualification criteria set forth in the Pre-qualification Document or if in the opinion of the Head of the Procuring entity, a substantial reduction in competition may result.
 - 48.3 Any such changes, as stated under ITA 48.1, shall be submitted to the Employer not later than fourteen (14) days after the date of Invitation for Tenders.
- 49. Post-qualification**
- 49.1 Post-qualification of the successful Tenderer(s) will be done prior to consequent Award of Contract even if this Pre-qualification has been carried out.

Section 2. Application Data Sheet

<i>Instructions for completing Application Data Sheet are provided in italics in parenthesis for the relevant ITA clauses</i>	
ITA Clause	Amendments of, and Supplements to, Clauses in the Instructions to Applicants
	IFP IDENTIFICATION NO: CDRSB-07 Lot No. Single Lot
A. General	
ITA 1.1	The Employer is Bangladesh Water Development Board represented by the Project Director, Project Management Unit, Capital (Pilot) Dredging of River System in Bangladesh The Name of the Subsequent Tender is: Protective Work of 4(four) Nos Cross Bar/Closure constructed by dredged spoil earth and adjacent area (Reclaimed Land) at Upazila: Sirajgonj Sadar, District: Sirajgonj Brief Description of the Works: The work mainly comprises earthwork, manufacturing of C.C Block, procurement of hard rocks/boulders, geo-bags & geo-textile fabrics etc, armouring of the Cross Bar/ Closure (constructed with the dredged spoil earth) by controlled dumping of hard rocks/geo-bags/CC Blocks by Barges and placing CC Blocks for a total length of about 5700 metre, construction of inspection road etc. 4(four) numbers Cross Bar [Cross Bar -1 at BRE Km.162.50 , Cross Bar-2 at BRE Km.165.00, Cross Bar-3 (Clouser-1) at BRE Km.169.10 and Cross Bar-4 at BRE Km.175.00] were constructed with the dredged spoil while capital dredging of Januma River was going on during 2011-2012 which facilitated in reclaiming valuable land of about 16 square kilometre at Upazila : Sirajgonj Sadar, District: Sirajgonj . The Cross-Bars have been threatening by the on rush of Jamuna River during flood. So, this protective work is aimed at setting aside the Cross Bars from grasp of mighty Jamuna River and thereby protects the reclaimed land. Application Ref: PD/PMU-CDRSB/T-7/694 Date: 05-09-2013 Lot No(s): Single Lot
ITA 3.1	The source of public funds is GoB
ITA 3.3	The name of the Development Partner is None
ITA 5.1	Applicants from the following countries are not eligible <i>Israel</i>
ITA 6.1	Materials, Equipments and associated services from the following countries are not eligible: <i>Israel</i>

B. Pre-qualification Document

ITA 8.2	The following are authorised agents of the Employer for the purpose of issuing the Pre-qualification Document: None Prequalification Document will be issued directly from the Office of the Project Director, PMU, CDRSB, BWDB, Dhaka at following Address; Address: 72 Green Road, Dhaka-1215 Telephone: 88-02-9137504, Mobile: 01712175262 Fax No.: 88-02-9125502 e-mail address: pmucapdredging@gmail.com on furnishing a request letter addressed to PD, PMU, CDRSB, BWDB, Dhaka accompanied by a Demand Draft/Pay Order amounting BDT 2000/00 or equivalent US\$ 26.00 in form of Bank Draft/ Pay Order issued from any scheduled bank of Bangladesh favouring Account Officer, RAC, BWDB, 72 Green Road, Dhaka.
ITA 9.1	For <u>clarification of Pre-qualification Document purposes</u> only, the Employer's address is: Project Director, Project Management Unit (PMU) Capital(Pilot) Dredging of the River System in Bangladesh Address: 72 Green Road, Dhaka-1215 Telephone: 88-02-9137504, Mobile: 01712175262 Fax No.: 88-02-9125502 e-mail address: pmucapdredging@gmail.com
ITA 10.1	A pre- Pre-qualification meeting shall be held at Address: BWDB's Conference Room, WAPDA BHABAN (3rd floor), Motijheel C/A, Dhaka Time & Date: At 11.00 hrs on 29-09-2013

C. Qualification Criteria

ITA 13.1	Non-performance of a contract shall not occur within the last 3(three) years. [Years counting backward from the date of publication of IFP]			
ITA 13.2	All pending litigation shall in total not represent more than 10 percent of the Applicant's net worth.			
ITA 13.3	The minimum requirements of Leading Partner and other Partner(s) of a JV shall be as follows :			
	ADS Clauses References	Requirements by summation	Requirements for Leading Partner	Requirements for other Partner(s)
	ITA-13.1	Summation not applicable	Same as stated in ADS	Same as for Leading Partner
	ITA-13.2	Summation not applicable	Same as stated in ADS	Same as for Leading Partner

ITA 14.1(a)	The minimum number of years of general experience of the Applicant in public construction works as Prime Contractor or Subcontractor or Management Contractor shall be 5 (Five) years. [Years counting backward from the date of publication of IFP]												
ITA14.1(b)	The minimum specific experience as a Prime Contractor or Subcontractor or as a Partner of Joint Venture in construction of River Bank Revetment / Construction of Groyne / Construction of R.C.C Spur / Construction of Barrage / Construction of Spillway/ Construction of Seaport at least (one) contract of similar nature, complexity and methods/construction technology completed over a period of 5(five) years shall be required. [Years counting backward from the date of publication of IFP.]												
ITA 14.1(c)	A satisfactory completion of following similar works as a Prime Contractor or Subcontractor or as a Partner of Joint Venture over a period of 5(five) years shall be required. At least 2(two) contracts of River Bank Revetment or Construction of Groyne or Construction of R.C.C Spur or Construction of Barrage or Construction of Spillway or Construction of Seaport each of minimum value BDT 890.00 million i.e. US\$ 11.50 million equivalent Or 1(one) contract of value more than BDT 1780.00 million i.e. US\$ 23.00 million equivalent. [Years counting backward from the date of publication of IFP.]												
ITA 15.1	The required average annual construction turnover shall be greater than BDT 3051.00 million i.e. US\$ 39.00 million equivalent over the last 5 (five) years. [Years counting backward from the date of publication of IFP.]												
ITA 15.1(b)	The minimum Tender Capacity shall be: BDT 2034 million i.e. US\$ 26.00 million equivalent.												
ITA 15.1(c)	The minimum amount of liquid assets or working capital or credit facilities of the Applicant shall be BDT 565.00 million i.e US\$.7.00 million equivalent.												
ITA 16.1(a)	A Construction Project Manager shall have the following qualifications and experience: <table><tr><th>Sl. no</th><th>Position</th><th>Qualification (Minimum)</th><th>Total Works Experience (years)</th><th>In Similar Works Experience (Years)</th><th>Experience In specified Position</th></tr><tr><td>1</td><td>Construction Project Manager</td><td>Bachelor's Degree in Engg (Civil)/ MBA</td><td>20</td><td>15</td><td>08</td></tr></table> The Applicant shall also furnish the qualifications of an alternative Construction Project Manager	Sl. no	Position	Qualification (Minimum)	Total Works Experience (years)	In Similar Works Experience (Years)	Experience In specified Position	1	Construction Project Manager	Bachelor's Degree in Engg (Civil)/ MBA	20	15	08
Sl. no	Position	Qualification (Minimum)	Total Works Experience (years)	In Similar Works Experience (Years)	Experience In specified Position								
1	Construction Project Manager	Bachelor's Degree in Engg (Civil)/ MBA	20	15	08								
ITA 16.1(b)	The minimum number of Engineers with qualifications and experience shall be as follows :												

	No.	Position	Qualification (Minimum)	Total Experience (Years)	In similar Works experiences (years)	Experience In specified position (years)
	1	Senior Construction Engineer	Bachelor's Degree in Engg (Civil)	15	10	07
	2	Material Engineer	Bachelor's Degree in Engg (Civil)	15	10	07
	3	Mid Level Mechanical Engineer	Bachelor's Degree in Engg (Mechanical)	10	07	05
	4	Mid level Engineer, 2 Nos	Bachelor's Degree in Engg (Civil)	10	07	05
	5	Junior Engineer, 4 Nos	Bachelor's Degree in Engg (Civil)	05	03	03
	6	Field Engineer, 8 nos	Diploma in Engg (Civil)	15	08	05
	7	Field Engineer, 2 nos	Diploma in (Mechanical)	15	08	05
	Other key staff with qualifications and experience shall be as follows:					
ITA 16.1(c)	No.	Position	Qualification (Minimum)	Total Experience (Years)	In similar Works experiences (years)	Experience In specified position (years)
	1	Administrative & Finance Officer	BBA/ Masters in any discipline	20	15	08
	1	Surveyor-4 Nos	Diploma in Engg (Civil) with special training on Bathymetric Survey	10	06	06
	2	Soil Technician- 1 No	H.S.C	07	05	05
	3	Concrete Technician- 1 No	H.S.C	07	05	05

ITA 17.1	No	Equipment Type and Characteristics	Minimum Number Required (No)
	A. Earth Moving, Concrete Manufacturing and Dumping Equipment		
	1	Bull Dozer Minimum 260 HP, Blade Capacity 5 m ³	8
	2	Dump Truck/Back Hoe Minimum 300 HP, Pay load-30 Ton	20
	3	Sheep foot roller , Minimum 10 Ton	4
	4	Vibro-compactor 5 Ton	8
	5	i) Concrete mixer machine with hopper Minimum 0.38 m ³ Capacity per batch ii) Concrete Batch Plant Minimum 2 m ³ Capacity mix per batch	20 5
	6	Concrete vibrator machine Standard Nozzle (min ^m . 2" dia)	20
	7	Flat top barge/pontoon for dumping Hard rock/C.C. Block Minimum 300 ton , 20m x 8m	4
	8	Flat top barge equipped with crane 200 ton / 30m x 11m	4
	9	Tug boat Minimum 700 HP	8
	10	Long boom Crane 25 ton	4
	11	Double drum power driven mooring winches 500 ton (floating)	4
	12	Flipper delta type anchor 3 ton	8
	13	Generator for winch operation 120 HP	4
	14	Generator for site electrification 6 KW	8
	15	Power driven country boat for inspection and diving team	1
	B. Documentation Equipment		
	1	Digital Camera Minimum 10 Pixel with Recording date and time	2
	2	Digital Video Camera With capture card-SNAZZI USB-2.0 DVD	2
	3	Desk top Computer 80 GB	4
	4	Computer color printer A-3 Size	4
	C. Survey Equipment		
	1	Survey boat Minimum 50 HP	2
	2	Digital Echo Sounder	2
	3	Survey Laptop Minimum 80 GB	2
	4	DGPS (Standard)	4
	5	Total Station (Standard)	4

	6	Prism	8
	7	Optical Level	8
	8	Side Scan Sonar with accessories	4
	9	Rugged Water proof Military Standard Computer with 2 to 4 Serial port.	2
	10	Leveling instrument	4
	11	Theodolite	4
	D. Diving Equipment		
		All necessary equipment	2 Sets
ITA 18.2	In the case the Applicant's Leading Partner's country of origin is Bangladesh, the value of non-judicial stamp for execution of the Joint Venture agreement shall be BDT 300.00		
ITA 18.3	In the case the Applicant's Leading Partner's country of origin is Bangladesh, the Letter of Intent along with the proposed agreement shall be authenticated by a Notary Public.		
ITA 18.5	The minimum qualification requirements of Leading Partner and other Partner(s) of a JV shall be as follows :		
	ADS Clauses References	Requirements by summation	Requirements for Leading Partner
	ITA-14.1(a)	Summation not applicable	Same as stated in ADS
	ITA-14.1(b)	100%	At least one characteristic
	ITA-14.1(c)	100%	At least one characteristic
	ITA-15.1(a)	100%	40%
	ITA-15.1(b)	100%	40%
	ITA-15.1(c)	100%	40%
	ITA-16.1(a)	Summation not applicable	100%
	ITA-16.1(b)	100%	At least one characteristic
	ITA-16.1(c)	100%	At least one characteristic
	ITA-17.1	100%	At least one characteristics
ITA 19.4	The Employer intends to execute the following specific components of the proposed Works by the Nominated Subcontractor(s) : None		
ITA 20.1	Domestic Preference shall not be applicable for eligible national Tenderers		

D. Application Preparation	
ITA 23.4	Use of Pre-qualification Document posted in the website is permitted for preparation of Applications. The web address is : www.bwdb.gov.bd The Applicant using Prequalification Document down loaded from the website shall have to furnish the cost of Prequalification Document amounting BDT 2,000/00 or equivalent US\$ 26.00 in form of Bank Draft/ Pay Order from an internationally accepted Bank favouring Account Officer, RAC, BWDB, 72 Green Road, Dhaka during submission of Application. The Applicant having down loading the Prequalification Document from website, if interested to participate in the prequalification process, shall have to inform the procuring entity their details postal & mailing address for future correspondence. Such Applicants are also advised to visit regularly the respective website for amendment(s) if any, relating to the Prequalification Any Application submitted without fulfilling the above procedures shall be rejected
ITA 25.1(I)	The Applicant shall provide with its Application the following additional documents: 1) Brochure/ Booklet of the Firm 2) Certified/attested copies of Work Experiences 3) Auditor's Report/ Certified Financial Document
ITA 29.1	In addition to the original of the Application, 3(three) copies shall be submitted.
E. Application Submission	
ITA 30.2(e)	The inner and outer envelopes shall bear the following additional identification marks: None
ITA 31.1	For <u>Application submission purposes</u> only, the Employer's address is: Office of the Project Director, Project Management Unit (PMU) Capital(Pilot) Dredging of the River System in Bangladesh (CDRSB) Address: 72 Green Road, Dhaka-1215 Telephone: 88-02-9137504, Mobile: 01712175262 Fax No.: 9125502 The deadline for the submission of Applications is: Time & Date: Up to 1200 hrs on 08-10-2013
F. Application Opening and Evaluation	

ITA 33.2	The Application opening shall take place at: Office of the Project Director, Project Management Unit (PMU) Capital(Pilot) Dredging of the River System in Bangladesh Address: 72 Green Road, Dhaka-1215 Telephone: 88-02-9137504, Mobile: 01712175262 Fax No.: 88-02- 9125502 Time & Date: At 14.00 hrs on 08-10-2013
G. Pre-qualification	
ITA 46.5	The name and address of the office where complaints to the Employer under Rule 57 of The Public Procurement Rules,2008 are to be submitted is: Name: Project Director Address: Project Management Unit (PMU) Capital(Pilot) Dredging of the River System in Bangladesh Address: 72 Green Road, Dhaka-1215 Fax No.: 88-02- 9125502 e-mail address: pmucapdredging@gmail.com

Section 3. Application Forms

Form	Title
Application Forms	
PQW5 – 1	Application Submission Letter
PQW5 – 2	Applicant Information
PQW5 – 3	JV Partner Information (<i>if applicable</i>)
PQW5 – 4	Subcontractor Information (<i>if applicable</i>)
PQW5 – 5	Historical Contract Non-Performance
PQW5 – 6	Personnel Information
Note:	Forms PQW5 -1 to PQW5 -6 comprises part of the Application Format and should be completed as stated in ITT Clause 29.1.

Application Submission Letter (Form PQW5-1)

[This letter should be completed and signed by the Authorised Signatory preferably on the Letter-Head Pad of the Applicant]

To:

Date: [dd/mm/yy]

[Contact Person]

[Name of Employer]

[Address of Employer]

Invitation for Pre-qualification No:

[indicate IFP No]

Tender Package No:

[indicate Package No]

This Package is divided into the following Number of Lots

[indicate number of Lot(s)]

We, the undersigned, apply to be pre-qualified for the referenced Works and Physical Services and declare that:

- (a) we have examined and have no reservations to the Pre-Qualification Document, issued by you on [insert date]; including [state numbers] Addendum issued in accordance with ITA Clause 11.
[insert the number and issuing date of each addendum; or delete this sentence if no Addendum has been issued];
- (b) we, including as applicable, any JVCA partner or Specialist Subcontractor for any part of the contract resulting from this pre-qualification process, have nationalities from eligible countries, in accordance with ITA Clause 5

[insert the nationality of the Applicant, including that of all partners in case of a Joint Venture, and the nationality of each already identified subcontractor, if applicable];

- (c) we are submitting this Application as a sole Applicant in accordance with ITA Sub Clause 27.1;
or
we are submitting this Application as the partners of a JVCA, comprising the following other partners in accordance with ITA Sub Clause 27.2;

Sl. No	Name of Partner	Address of Partner
1		
2		
3		

- (d) we are not a Government owned entity as defined in ITA Clause 5.
or
we are a Government owned entity, and we meet the requirements of ITA Clause 5.
- (e) we, including as applicable any JVCA partner, declare that we are not associated, nor have been associated in the past, directly or indirectly, with a consultant or any other entity that has prepared the design, specifications and other documents in accordance with ITA Clause 5;
- (f) we intend to subcontract an activity or part of the Works, in accordance with ITA Clause 19, to the following Specialist Subcontractor(s);

Activity or part of the Works	Name of Specialist Subcontractor with Address

- (g) we, including as applicable any JVCA partner, confirm that we do not have a record of poor performance, such as abandoning the works, not properly completing contracts, inordinate delays, or financial failure as stated in ITA Clause 5, and that we do not have, or have had, any litigation against us, other than that stated in the Applicant Information (**Form PQW5-2**);
- (h) we, including as applicable any JVCA partner, confirm that we do not have a record of insolvency, receivership, bankrupt or being wound up, our business activities were not been suspended, and it was not been the subject of legal proceedings in accordance with ITA Clause 5;
- (i) we, including as applicable any JVCA partner, confirm that we have fulfilled our obligations to pay taxes and social security contributions applicable under the relevant national laws and regulations of our country(s) of origin in accordance with ITA Clause 5;
- (j) we, including as applicable any JVCA partner or Specialist Subcontractor for any part of the contract resulting from this pre-qualification process, have not been declared ineligible by any International Development Agency or the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices in accordance with ITA Clause 5; or by an act of compliance with a decision of the United Nations Security Council.
- (k) furthermore, we are aware of ITA Clause 4 concerning such practices and pledge not to indulge in such practices in competing for or in executing the Contract;
- (l) we are not participating as Applicants in more than one Application in this pre-qualification process;
- (m) 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 pre-qualified Applicants to tender for the contract subject of this prequalification, without incurring any liability to the Applicants.

Signature:

[insert signature of authorised signatory of the Applicant]

Name:

[insert full name of signatory with National ID Number]

In the capacity of:

[insert capacity of signatory]

Duly authorised to sign the Application for and on behalf of the Applicant

[If there is more than one (1) signatory, or in the case of a JVCA, add other boxes and sign accordingly]

Attachment 1:

[ITA Sub Clause 27.1 and 27.2]

Written confirmation authorising the above signatory(ies) to commit the Applicant and the subsequent Tenderer
[and, if applicable]

Attachment 2:

[ITA Sub Clause 18.2 & 18.3]

JV Agreement / Letter of Intent to form JV with draft proposed Agreement

Applicant Information (Form PQW5-2)

[This Form should be completed only by the Applicant, preferably on its Letter-Head Pad]

Invitation for Pre-qualification No:

[indicate IFP No]

Tender Package No:

[indicate Package No]

This Package is divided into the following Number of Lots:

[indicate number of Lot(s)]

1. Eligibility Information of the Applicant [ITT Clauses 5 & 25]		
1.1	Nationality of individual or country of registration	
1.2	Applicant's legal title	
1.3	Applicant's registered address	
1.4	Applicant's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Others <i>[please describe, if applicable]</i>	
1.5	Applicant's year of registration	
1.6	Applicant's authorised representative details	
	Name	
	National ID number, if any	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation [ITT Cause 13]	
	Information on non-performance of contract and pending litigation furnished in PQW5-5	
1.8	Applicant to attach photocopies of the original documents mentioned	[All documents required under ITT Clauses 5 and 25]

	aside			
The following two information are applicable for national Applicants				
1.9	Applicant's Value Added Tax Registration (VAT) Number			
1.10	Applicant's Tax Identification Number(TIN)			
[The foreign Applicants, in accordance with ITT Clause 5, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]				
2. Qualification Information of the Applicant [ITT Clause 12]				
2.1	General Experience in Construction Works of Applicant			
	Start Month Year	End Month Year	Years	Contract No and Name of Contract Name and Address of Employer Brief description of Works
				Role of Applicant [Prime/Sub/Management]
2.2	Specific Experience in Construction Works of Applicant			
	Completed Contracts of similar nature, complexity and methods/construction technology			
	Contract No		[insert reference no] of [insert year]	
	Name of Contract		[insert name]	
	Role in Contract <i>[tick relevant box].</i>		Prime Contractor	Subcontractor
	Award date		[insert date]	
	Completion date		[insert date]	
	Total Contract Value		[insert amount]	
	Employer's Name Address Tel / Fax <u>e-mail</u>			
	Brief description with justifications of the similarity compared to this Employer's requirements		[state justification in support of its similarity compared to the proposed works]	
2.3	Average annual construction turnover [ITT Sub Clause 12.3]			
	<i>[total certified payments received for contracts in progress or completed for each year of works in progress or completed; using selling exchange rate quoted by the source being Bangladesh Bank on the date reported, if applicable]</i>			
	Year	Amount & Currency		USD/GBP/EUR/JPY Equivalent delete not appropriate

2.4	Existing commitments and works [targeted to be completed by the Intended Completion Date of the proposed works; ITT Sub Clause 12.3]			
	Name of Contract Contract No [reference] of [year] Name of Employer Contact Address Tel/fax e-mail	Target Completion Date	Value of Existing Commitments and Works	
			Amount & Currency	USD/GBP/EUR/JPY delete not appropriate Equivalent
2.5	Financial Resources available to meet the construction cash flow [ITT Sub Clause 12.3]			
	No	Source of Financing	Amount Available	
			Amount & Currency	USD/GBP/EUR/JPY delete not appropriate Equivalent
In order to confirm the above statements the Applicant shall submit, as applicable, the documents mentioned in ITT Clause 28.				
2.6	Contact Details [ITT Clause 28]			
	Name, address, and other contact details of Applicant's Bankers and other Employer(s) that may provide references, if contacted by this Employer			
2.7	Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management [ITT Clause 28]			
	Position Name Years of General Experience	Years of Specific Experience		
[Tenderer to complete details of as many personnel as are applicable. Each personnel listed above should complete the Personnel Information (Form PQW5-6)				
2.8	Major Construction Equipments proposed to carry out the Contract [ITT Clause 28]			
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, lessor or seller)	
[Applicant to list details of each item of major construction equipment, as applicable]				

JVCA Partner Information (Form PQW5-3)

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

Invitation for Pre-qualification No:

[indicate IFP No]

Tender Package No

[indicate Package No]

This Package is divided into the following Number of Lots

[indicate number of Lot(s)]

1. Eligibility Information of the JVCA Partner [ITT Clauses 5 & 25]		
1.1	Nationality of Individual or country of Registration	
1.2	JVCA Partner's legal title	
1.3	JVCA Partner's registered address	
1.4	JVCA Partner's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe, if applicable)	
1.5	JVCA Partner's year of registration	
1.6	JVCA Partner's authorised representative details	
	Name	
	National ID number, if any	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Litigation [ITT Cause 13]	
	Information on non-performance of contract and pending litigation furnished in Form PQW5-5	
1.8	JVCA Partner to attach copies of the original documents mentioned aside	[All documents required under ITT Clauses 5 and 25]

The following two information are applicable for national JVCA Partners only					
1.9	JVCA Partner's Value Added Tax Registration (VAT) Number				
1.10	JVCA Partner's Tax Identification Number (TIN)				
[The foreign JVCA Partners, in accordance with ITT Clause 5, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]					
2. Key Activity(ies) for which it is intended to be joint ventured [ITT Clause 18]					
	Elements of Activity			Brief description of Activity	
3. Qualification Information of the JVCA Partner [ITT Clause 12]					
3.1 General Experience in Construction Works of JVCA Partner					
	Start Month Year	End Month Year	Years	Contract No and & Name of Contract Name and Address of Procuring Entity Brief description of Works	Role of JVCA Partner [Prime/Sub/Management]
3.2 Specific Experience in Construction Works of JVCA Partner					
Completed Contracts of similar nature, complexity and methods/construction technology					
Contract No			[insert reference no] of [insert year]		
Name of Contract			[insert name]		
Role in Contract [tick relevant box]			Prime Contractor	Subcontractor	Management Contractor
Award date			[insert date]		
Completion date			[insert date]		
Total Contract Amount			[insert amount]		
If partner in a JV, specify participation of the total Contract Amount			_____ %	Amount & Currency [insert amount] USD/GBP/EUR/JPY Equivalent [insert amount] delete not appropriate	
Employer's Name Address Tel / Fax e-mail Brief description with justifications of the similarity compared to this Employer's requirements			[state justification in support of its similarity compared to the proposed works]		
3.3 Average annual construction turnover [ITT Sub Clause 12.3]					
<i>[total certified payments received for contracts in progress or completed for each year of works in progress or completed; using selling exchange rate quoted by the</i>					

	<i>source being Bangladesh Bank on the date reported, if applicable]</i>		
	Year	Amount & Currency	<u>USD/GBP/EUR/JPY</u> Equivalent delete not appropriate
3.4	Existing commitments and works [targeted to be completed by the Intended Completion Date of the proposed works; ITT Sub Clause 12.3]		
	Name of Contract Contract no [reference] of [year] Name of Employer Contact Address Tel/fax e-mail	Target Completion Date	Value of Existing Commitments and Works
			Amount & Currency <u>USD/GBP/EUR/JPY</u> delete not appropriate Equivalent
3.5	Financial Resources available to meet the construction cash flow [ITT Sub Clause 12.3]		
	No	Source of financing	Amount Available
			Amount & Currency <u>USD/GBP/EUR/JPY</u> delete not appropriate Equivalent
	In order to confirm the above statements the JVCA Partner shall submit, as applicable, the documents mentioned in ITT Clause 28.		
3.6	Contact Details [ITT Clause 28]		
	Name, address, and contact details of Tenderer's Bankers and other Employer(s) that may provide references if contacted by this Employer		
3.7	Qualifications and experience of key technical and administrative personnel proposed for Contract administration and management [ITT Clause 28]		
	Position Name Years of General Experience	Years of Specific Experience	
	<i>[Tenderer to complete details of as many personnel as are applicable. Each personnel listed above should complete the Personnel Information (Form PQW5-6)]</i>		
3.8	Major items of Construction Equipment proposed for carrying out the works [ITT Clause 28]		
	Item of Equipment	Condition (new, good, average, poor)	Owned, leased or to be purchased (state owner, leaser or seller)
	<i>[Tenderer to list details of each item of Major equipment, as applicable]</i>		

Signature
(Name of Authorized Signatory of the JVCA Partner)

Specialist Subcontractor Information (Form PQW5-4)

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

Invitation for Pre-qualification No:

[indicate IFP No]

Tender Package No

[indicate Package No]

This Package is divided into the following Number of Lots

[indicate number of Lot(s)]

1. Eligibility Information of the Subcontractor [ITT –Clauses 5 & 25]		
1.1	Nationality of Individual or country of Registration	
1.2	Subcontractor's legal title	
1.3	Subcontractor's registered address	
1.4	Subcontractor's legal status <i>[complete the relevant box]</i>	
	Proprietorship	
	Partnership	
	Limited Liability Concern	
	Government-owned Enterprise	
	Other (please describe)	
1.5	Subcontractor's year of registration	
1.6	Subcontractor's authorised representative details	
	Name	
	Address	
	Telephone / Fax numbers	
	e-mail address	
1.7	Subcontractor to attach copies of the following original documents	All documents to the extent relevant to ITT Clause 5 and 25 in support of its qualifications
The following two information are applicable for national Subcontractors		
1.8	Subcontractor's Value Added Tax	

	Registration (VAT) Number	
1.9	Subcontractor's Tax Identification Number(TIN)	
[The foreign Subcontractors , in accordance with ITT Clause 5 , shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]		
2. Key Activity(ies) for which it is intended to be Subcontracted [ITT Clause 19]		
2.1	Elements of Activity	Brief description of Activity
2.2	List of Similar Contracts in which the proposed Subcontractor had been engaged	
	Name of Contract and Year of Execution Value of Contract Name of Employer Contact Person and Contact details Type of Work Performed	

Signature
(Name of Authorized Signatory of the Proposed Sub-Contractor)

Historical Contract Non-Performance (PQW5-5)

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

Applicant's Legal Name: [insert full name]

Date: [dd/mm/yy]

Joint Venture Party Legal Name: [insert full name]

IFP No. and title: [insert IFP number and title]

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

Non-Performing Contracts in accordance with Qualification Criteria and Requirements			
☐ Contract non-performance did not occur during the [number] years specified in Qualification Criteria and Requirements, ITA Sub Clause 13.1.			
☐ Contract(s) not performed during the [number] years specified in Qualification Criteria and Requirements, ITA Sub Clause 13.1.			
Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value)
[insert year]	[insert amount and percentage]	Contract Identification: [indicate complete contract name/ number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Reason(s) for non performance: [indicate main reason(s)]	USD/GBP/EUR/JPY delete not appropriate [insert amount] equivalent
Pending Litigation, in accordance with Qualification Criteria and Requirements			
☐ No pending litigation in accordance with Qualification Criteria and Requirements, ITA Sub Clause 13.2.			
☐ Pending litigation in accordance with Qualification Criteria and Requirements, ITA Sub Clause 13.2 as indicated below.			
Year	Outcome as Percentage of Total Assets	Contract Identification	Total Contract Amount (current value)
[insert year]	[insert percentage]	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Matter in dispute: [indicate main issues in dispute]	USD/GBP/EUR/JPY delete not appropriate [insert amount] equivalent

Personnel Information (Form PQW5-6)

[This Form should be completed for each person proposed by the Tenderer on Form PW5-2 & PW5-3, where applicable]

Name of the Applicant:	[insert Title]
Invitation for Tender No:	[indicate IFP No]
Tender Package No	[indicate Package No]
This Package is divided into the following Number of Lots	[indicate number of Lot(s)]

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

Years with the present Employer:			
Tel No:		Fax No:	e-mail address:
Contact <i>[manager/personnel officer]</i> :			
D. Professional Experience			
Summarise professional experience over the last twenty (20) years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.			
	From	To	Company / Project / Position / Relevant technical and management experience.
1			
2			
3			
4			
5			

(Name and Signature of the Proposed Personnel)

Section 4. Scope of Works

1. Description of the Works

Bangladesh is a great delta formed by alluvial deposits of the three mighty rivers; the Ganges, the Brahmaputra (Jamuna) and the Meghna. The major rivers carry huge amount of sediments annually in to Bangladesh from out side catchments. Every year the country suffers various types of natural disasters like; flood, river bank erosion, sedimentation, draught, salinity intrusion etc. River bank erosion and widening of the rivers are very much pronounced in the major rivers of Bangladesh. Every year Bangladesh is losing more than 10,000 hectares of valuable land due to river bank erosion.

The Jamuna River a large braded river is the most complex and dynamic in the world. The river originates from China and after travelling several thousands kilometres through China and India enter into Bangladesh from north. Within territory of Bangladesh, the length of the Jamuna River varies from 240 km along its right bank to 220 km along its left bank. The Jamuna transports more than half a billion tons of sediment per year. Due to carrying of huge sediment loads with low gradient, rapidly alternating channels and sand bars (chars) as well as river bed siltation/aggradations is most pronounced. The continuously changing of riverbed has a serious socio-economic impact in Bangladesh since the economy is largely depend on land and water management. In recent years the frequency of devastating floods has increased substantially causing serious damages to infrastructure, life and livelihood of both rural and urban communities. In order to reduce the risk of river bank erosion, flooding and improvement of navigability, dredging of rivers in planned way has been considered to be an effective measure.

So, as a pilot case , Capital (Pilot) Dredging of Jamuna River from upstream of Sirajganj Hard Point to downstream of Bangabandhu Bridge up to Offtake of Daleswari River (20 Km) for streamlining the river flow through defined section and thereby to reduce the risk of bank erosion and disasters was taken up during **2011-2012** followed by maintenance dredging during **2012-2013**. **Simultaneously, 4(four) Nos Cross Bar were constructed (Fig-3) with the dredged sludge as specified below;**

Identification No. of Cross Bar	Location	Physical details		
		Length (metre)	Width (metre)	Top Elevation (m PWD
Cross Bar-1	BRE Km. 162.50	1300.00	30	+ 16.00
Cross Bar- 2	BRE Km. 165.00	1145.00	30	+ 16.00
Cross Bar-3 (Closure-1)	BRE Km. 169.10	1720.00	30	+ 16.00
Cross Bar-4	BRE Km. 175.00	1170.00	30	+ 16.00

Construction of the Cross Bars has facilitated in reclamation of about **16 square kilometre** of valuable land at Upazila: Sirajgonj Sadar, Dist: Sirajgonj and it has created avenue for development of housing settlement, business centre, industrial park, tourist spot, farming etc. in the reclaimed land. However, the Cross-Bars have been threatening by the on rush of Jamuna River during flood and it has become major concern of the government to protect the Cross Bars and the reclaimed land. So, the proposed Protective Work is aimed at setting aside the Cross Bars from grasp of

mighty Jamuna River and thereby protects the reclaimed land.

The work under the Contract mainly comprises earthwork in Cross Bar (with mechanical compaction to attain 90% maximum dry density), manufacturing of C.C Block, procurement of hard rocks/boulders, geo-bags & geo-textile fabrics etc, armouring of the Cross Bar/ Closure by controlled dumping of hard rocks/geo-bags/CC Blocks by Barges & placing CC Blocks in slopes of Cross Bars for a total length of about 5700 metre, construction of inspection road etc.

2. Construction Period(s)

It is planned to commence the construction work by January, 2014 and a time span of 18(eighteen) Calendar months will be allowed for completion of the work under the proposed contract. The time will be counted from the date of order of the Employer to commence the work.

Tenderer shall attach a tentative construction program of works with due consideration to weather conditions and the BWDB's deadlines for execution of the works at the time of submission of Tender which will be finalized jointly prior to the contract signing. The Contractor shall take up works as per program approved by the Engineer.

3. Site and other Data

A. Background of the Project Area

Bangladesh is a riverine country. There are more than 300 rivers in Bangladesh of which 57 are transboundary. Out of 57 transboundary 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 Megna 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 21°C in the cooler months of the year to 35°C 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 Megna 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 site is situated about 100 km far from Capital Dhaka at north-west easily accessible by road transports. The project area is shown in Fig.2. The site is adjacent to Sirajgonj town, Upazila: Sirajgonj Sadar in District of Sirajgonj. Medical facilities are available in the districts hospital. There are also private hospitals which are providing appreciable health services.

B. Natural Hazards

Bangladesh can be regarded as susceptible to natural calamities. 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) 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 associated with tropical cyclones formed over the Bay of Bengal affect greatly the coastal areas of Bangladesh. These surges are due to the effect of storm tide and astronomical tide, and the shallow bathymetric configuration and funnelling shape of the Bay of Bengal. Historical records 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.

HISTORICAL RECORDS OF STORM SURGE

Coast	Range of Strom 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) Flooding

Flood is a common phenomenon in Bangladesh. Every year certain area of Bangladesh is subjected to flooding. The major cause of flood is monsoon rainfall runoff from upstream catchments. More than 90 percent of runoff is from outside Bangladesh.

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.

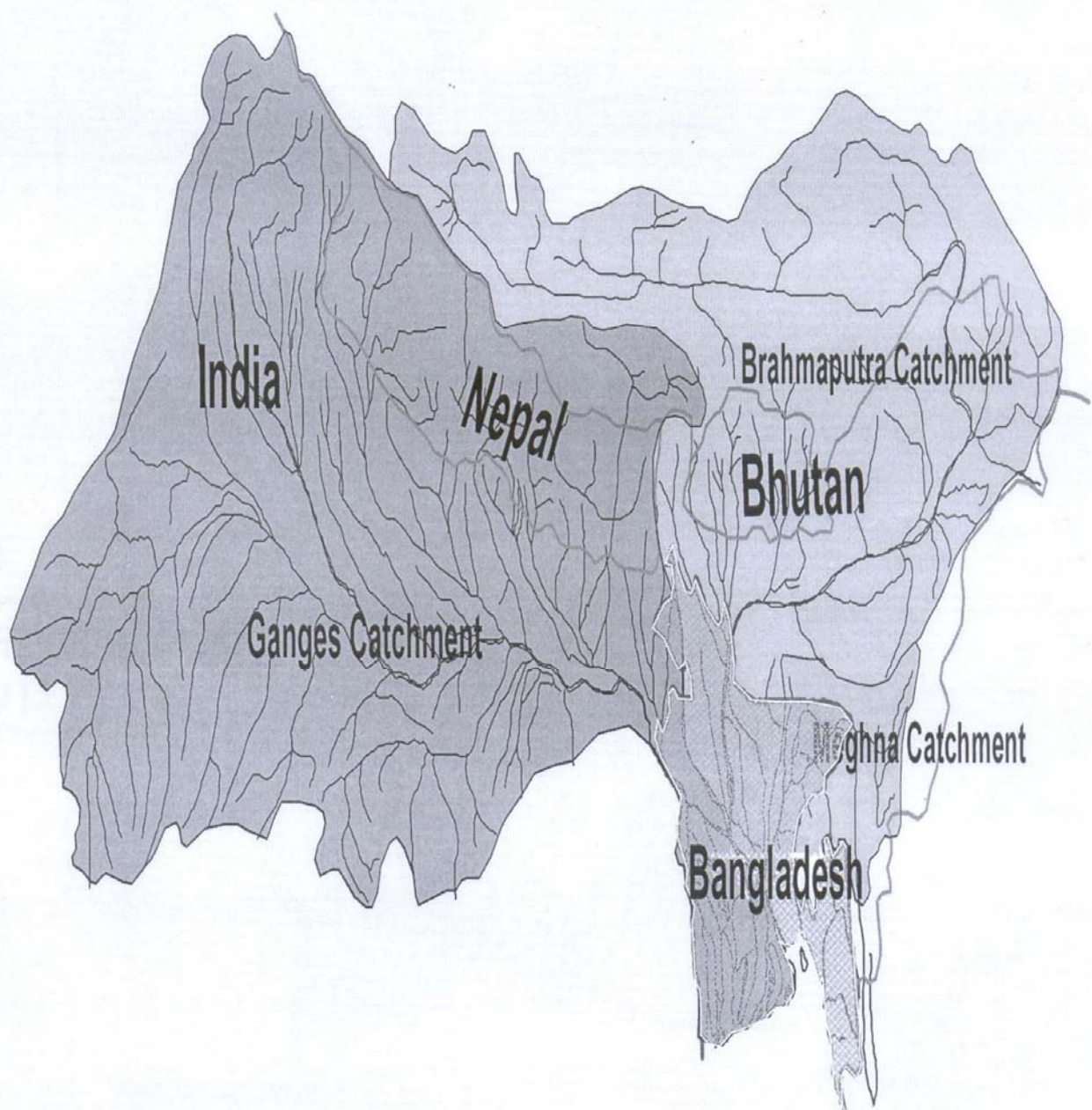
iii) Cyclone

Bangladesh is also cyclone prone. The country experiences, at times, catastrophic cyclones that cause immense loss of life and property. The cyclones usually decay rapidly after coming into contact with land and such losses are largely confined to coastal regions. Since the project area is within the coastal belt, the likely impact of cyclones will be relatively high and it will be necessary to implement specific contingencies for such an event.

iv) 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.



Catchment of main three rivers is 1.72 million sq. km, of which only 7% lies within Bangladesh

Figure 1: Ganges, Brahmaputra and Meghna basin area



Fig-2 : Location of Work

Fig 3 : Location of Cross Bars

