



বাংলাদেশ পানি উন্নয়ন বোর্ড

BANGLADESH WATER DEVELOPMENT
BOARD

Project Management Unit
Coastal embankment Improvement Project
Phase-I (CEIP-I)
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Memo No: WDB/CEIP/S19/628

Date: 30-07-2017

**Request for Expressions of Interest (EOI) for
Independent Panel of Expert (IPoE) For
Design Expert in Embankment and Hydraulic Structures
Under PMU, CEIP-1, BWDB, Dhaka, Bangladesh**

Bangladesh

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

Disaster Risk and Climate Change Unit

Sustainable Development Department

Design Expert In Embankment And Hydraulic Structures

(Contract Package No. CEIP-1/D1/S19)

Credit No-5280- BD

Project ID No.:P128276

1. The Government of Bangladesh (GOB) has received financing from International Development Association (IDA) to meet part of the cost of the Coastal Embankment Improvement Project, Phase-1 (CEIP-1). The overall **objective** of the CEIP-1 is to increase the resilience of coastal population to natural disasters and climate change. More specifically, the project aims at (a) reducing the loss of assets, crops and livestock during natural disasters; (b) reducing the time of recovery after natural disaster such as cyclone; (c) improving agricultural production by reducing saline water intrusion which is expected to worsen due climate change; and (d) improving the Government of Bangladesh's capacity to respond promptly and effectively to an eligible crisis or emergency. This objective will be achieved by **rehabilitating and improving the polder system in the coastal area**. The project is expected to be implemented over 7-8 years. The project is spread over 6 districts in coastal area of Bangladesh, viz., Khulna, Bagerhat, Satkhira, Pirojpur, Borguna and Patuakhali.

The Project is being implemented by the Ministry of Water Resources (MOWR), through the Bangladesh Water Development Board (BWDB). BWDB has set up a Project Management Unit (PMU) to oversee the development and execution of the project. The PMU is led by a Project Director and located in BWDB's headquarters in Dhaka. Also, one Field Level Offices (FO), at Khulna has been set up headed by an Executive Engineer. PMU is being assisted by a Detailed Design & Construction and Supervision (DDCS) & Project Management Support (PMS) Consultants and a Monitoring and Evaluation (M&E) Consultants.

The PMU will engage a Team of Experts designated as **Independent Panel of Expert (IPoE)** who will provide technical and professional support to ensure safety, economy, state of the art construction/ improvement of the embankment system and water management practices inside the protected areas while ensuring social and environmental safeguards. Meanwhile, PMU has engaged a member of IPoE in the position of Environment, Water Management and Polder Expert. The role of the **IPoE** will be to:

- Act as an independent "peer reviewer" to undertake quality control functions of the various technical outputs (studies, designs, drawings, monitoring reports etc.) that will be generated by the CEIP-I. Provide suggestions and guidance for improvement on analysis and techniques for deriving the outputs;
- Meet as a panel to discuss the quality of different outputs completed at various stages of the project and to pinpoint quality issues to be addressed and explored further;
- Provide advisory input on social, environmental, technical, geo-morphological, resettlement, community initiatives and long term plans for operation and maintenance during the implementation of CEIP-I; and

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- d) Provide guidance and advisory inputs when needed and as asked by the PMU or the Project Steering Committee

2. Key Functions of the the Design Expert in Embankment and Hydraulic Structures:

The tasks of the Design Expert shall include but not necessarily be limited to the followings:

- Review the detailed engineering design of the coastal embankments, different kinds of other hydraulic structures and all other related works of the project;
- Expert opinion on construction of foundations in soft river deposits, including knowledge of the effects of scour and the prediction of flexibility of foundations, suitability of earth for construction of embankments and other structures;
- Expert opinion on design criteria and implementation of coastal embankment in the perspective of geology, soil type and subsidence;
- Provide expert opinion on the structural aspects of embankments, sluices, Bank Protection Work, Slope Protection Work, etc. (suitability of soil for construction, revetments, geometry, scour prevention, etc.

Details of assignments/ tasks of the Design Expert in Embankment and Hydraulic Structures are furnished in the Terms of Reference (ToR). Interested Applicant may obtain ToR in the BWDB's official website link: http://bwdb.gov.bd/index.php/site/live_tender.

3. Qualifications and Experiences:

The expert should have Ph.D in his/her field of specialization. In case of exceptionally experienced candidates the academic qualification may be relaxed to a Masters degree from an international renowned University in Civil Engineering/Coastal and/or River Engineering/Hydraulic Engineering/Water Resources Engineering. He/she should have 20 years of professional experience with at least 10 years experience on relevant field like; experience in design of coastal hydraulic structures, embankments/dyke, river protection works. He/she should have experience in risk assessment and devising mitigation measures for risk reduction in the coastal area and rivers. It is preferred to have experience in similar working conditions like Ganges-Megna-Brahmaputra (GMB) Deltas.

4. Duration of the Assignment:

Duration of the consultancy services would be approximately **175 (One hundred seventy five) days** over the 3 years of the starting from **FY 2017-2018 to FY 2019-2020**. However, the contract may be extended depending on performance of the consultant and project needs.

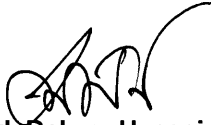
5. Selection Procedures:

BWDB now seeks the application from eligible applicants to express their interest in providing services (complete CV with detail information about employment history with duties and responsibilities, current remuneration, academic details, major publication(if any), contact address including telephone number and e-mail) . The consultants will be selected in accordance with World Bank Guidelines: Selection and Employment of Consultants by the World Bank Borrowers, [January 2011 (Revised July 2014)]. Applicants currently in government service in the client's country may apply only if they satisfy Paragraph 1.13 (d) of the Consultant Guidelines.

6. Remuneration : Negotiable

7. Expression of interest (hard copy) must be delivered to the address below by **29-08-2017** in three sets (1 original + 2 copies) and a Soft Copy in CD (in Word Version) clearly marked "Expression of Interest" for the "**Design Expert in Embankment and Hydraulic Structures**" under **PMU, CEIP-I, (Contract Package No.CEIP-1/D1/S19)**. Applicants from abroad may submit their EoI through e-mail at address; pdpmuceip@gmail.com by the deadline. EOIs received after the last date of submission will not be considered for short listing. BWDB will not be responsible for any delay in submission including delay due to postal or any other reason.

8. Interested Consultants may obtain further information at the address below during normal office hours.
9. The authority reserves the right to accept or reject any or all the EOIs, or annul the process at any stage without assigning any reason(s) whatsoever and without incurring any liability to the affected applicant(s)



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