

GOVERNMENT OF WEST BENGAL
Office of the Chief Engineer & Project Director
State Project Management Unit, WBMIFMP
Irrigation & Waterways Directorate
Jalasampad Bhavan, Salt Lake, Kolkata- 700091
West Bengal, India

Memo No. 1195-CI (SPMU)

Date: 20.09.2022

REQUEST FOR EXPRESSION OF INTEREST (REOI)

Reference No: CE/IW/SPMU-EOI/02/22-23 Dated: 20.09.2022

INDIA

World Bank & Asian Infrastructure Investment Bank Assisted 'West Bengal Major Irrigation and Flood Management Project (WBMIFMP)'

Loan No.: 9025-IN

Procurement Notice for India – P162679

Assignment Title: Selection of Consultant for "Mathematical Model Study on the Darakeswar-Rupnarayan River System in the Districts of Howrah, Hooghly, East and West Midnapore, West Bengal, India, under West Bengal Major Irrigation and Flood Management Project (WBMIFMP) in the State of West Bengal in India."

Duration of the Assignment- 8.0 (Eight months).

Date: 20/09/2022

The Government of India has received for financing of USD 290 million from the International Bank for Reconstruction and Development (IBRD) towards the cost of the **West Bengal Major Irrigation and Flood Management Project (WBMIFMP)** and intends to apply a part of the proceeds toward eligible payments under the contracts for Consultancy Services. The sub – borrower is Irrigation & Waterways Department, Government of West Bengal.

Background:

WBMIFMP aims to improve the existing irrigation network in the Damodar Valley Command Area (DVCA) within the State of West Bengal, to optimize conjunctive and sustainable use of ground and surface water across the DVCA in different irrigation seasons, and to reduce flooding in the Lower Damodar Sub-Basin (LDSB) in West Bengal.

Objective of the Project:

. The objective is to development of a comprehensive hydro-dynamic (mathematical) model in 2D or coupled 1D-2D for flood and 2D sediment, river morphology modelling (for riverbank erosion, sustainability of flood management like dredging) for Darakeswar-Rupnarayan River system. This new model is to be developed after reviewing/ integrating the existing mathematical models already developed under the West Bengal Major Irrigation & Flood Management Project (WBMIFMP) for Lower Damodar-Mundeswari Sub Basin as well as under the Ghatal Master Plan (GMP) for Kangsabati-Shilabati Sub Basin. The model will also incorporate the effect of tidal lockage of river along with the effect of siltation. The relevant documents and reports, field survey and hydrographic survey data related to rainfall, water level, discharge, cross-section, bathymetry and sediment as primary input for boundary conditions will be provided by Irrigation & Waterways Department (IWD) for the purpose of the development of this model. Apart from development, calibration and validation of the model, the objectives include, inter alia, suggesting suitable drainage improvement and other flood mitigation measures in the said river system.

The Terms of Reference (ToR) for Selection of Consultant for **“Mathematical Model Study on the Darakeswar-Rupnarayan River System in the Districts of Howrah, Hooghly, East and West Midnapore, West Bengal, India, under West Bengal Major Irrigation and Flood Management Project (WBMIFMP)** in the State of West Bengal in India is available in the website www.wbiwd.gov.in in the link “WBMIFMP”.

The Chief Engineer & Project Director, State Project Management Unit (WBFIMP) of Irrigation & Waterways Directorate in the Government of West Bengal now invites eligible Consulting firms to indicate their interest in providing the above referred services. Interested firms should provide information demonstrating that they have the required qualifications, eligibility and relevant experience to perform the services.

The Short-listing criteria are:

- 1) The Firm should have at least **twelve years’** experience in the business of providing Consultancy Services. The firm should have at least **ten years’** experience in providing consulting services in water resources sector, particularly, preparation of Flood Management Projects, with special emphasis on drainage improvement /flood forecasting, in river basins involving model studies in flat alluvial flood plains, at the National or State level in India and abroad in World Bank assisted Projects or other State / Central / Multilateral Financial Institutions funded projects. It is desirable to have at least one of the assignments during last ten years in World Bank funded Projects. (The Consultant should provide a brief description of the organization including ownership details, date and place of incorporation/registration of the firm, objectives of the firm, and details of relevant / similar assignments undertaken during the last ten years).

(Total point under this criterion is 20.00; the firm with experience in maximum number of projects will get full marks, while marks to other firms will be assigned on pro-rata basis.)

2) The Firm should have completed at least three such assignments related to on providing consulting services for preparation / design of Flood Management Projects, with special emphasis on drainage improvement /flood forecasting in river basins **involving model studies in flat alluvial flood plains**, at the National or State level in India and abroad, with at least one project supported by the World Bank during last ten years. (The Consultant should provide a copy of the letter of Award of Contract / Contract Agreement from the Client, brief scope of assignment and documentary evidence of its completion in last ten years).

(Total point for this criterion is 25.00; Weightage of 60% will be given to number of completed similar projects stated above and 40% weightage will be given to World Bank funded projects. Marks will be provided on pro-rata basis)

3) The firm should demonstrate its capability to deploy qualified and experienced team of Experts for this assignment as detailed in the ToR.

.A list of relevant experts including the Team Leader and their specific experience with qualification in brief may be given. **Details of personnel along with their Name, Age, Educational Qualification, Years of Experience, Similar and Relevant Project Experience of all Key personnel should be provided in a tabular format. Bio-data / CV need not be provided at this stage.**

(Total point for this criterion is 40.00 of which (a) 25% each will be given for each of the sub-criteria “Educational Qualification” & “Years of Experience” and balance 50% for “Similar and Relevant Project Experience” underlined above, and (b) 30% of the total weightage will be given to Team Leader, 30% to the Sr. Hydraulic Modeler and balance 40% weightage to other Specialists).

1)	<i>Educational Qualifications (general education, training, etc.):</i>	[25%]
2)	<i>Years of Experience</i>	[25%]
3)	<i>Similar and Relevant Project Experience</i>	[50%]
	Total weight:	100%

1)	Position: Team Leader - 1	[10.00 points]
2)	Position: Sr. Hydraulic Modeler-1	[10.00 points]
3)	Position: Dy. Hydraulic Modeler-1	[7.00 points]
4)	Structural Engineer-1	[7.00 points]
5)	Other positions (total)	[6.00 points]
	Total points for criterion (ii)	[40.00 points]

The number of points to be assigned to each of the above positions shall be determined considering the following three sub-criteria and relevant percentage weights:

- 4) The Consultant must have achieved a minimum annual turnover of **INR 50.00 million** in any one of the last five completed financial years. i.e., 2021-22 to 2017-18. (The Consultant should provide copies of the Audited Financial Reports)

(Total point for this criterion is 15, and the firm having the yearly turnover of more than INR 100.00 million in any one of the last 5 years will get the full marks, while firms having such turnover in the range of 50.00 million to 100.00 million will get 75%, i.e., 11.25 marks. Those failing to meet the minimum criteria of turnover stated in Sl.4, need not apply, as their proposals will not be considered for evaluation).

The Shortlisting of Consultants will be done, based on their relative ranking determined on the basis of the documents furnished with the Expression of Interest, following the specifications in the World Bank's "Procurement Regulations for IPF Borrowers" (July 2016 Revised November 2017 and August 2018). **The minimum technical score required to be eligible for shortlisting of firms is 75.00 marks.**

The Consultant may associate with other firms in the form of a "Joint Venture" or "Sub-Consultancy" to enhance their qualification. The kind of association may be explicitly stated.

The attention of interested Firms is drawn to paragraphs 3.14, 3.16 and 3.17 of Section III of the World Bank's "Procurement Regulations for IPF Borrowers" (July 2016 Revised November 2017 and August 2018 as amended from time to time [under IBRD Loans and IDA Credits & Grants] by the World Bank Borrowers), setting forth the World Bank's policy on conflict of interest.

A Consultant will finally be selected in accordance with the **Quality and Cost-Based Selection (QCBS) method** set out in the World Bank's "Procurement Regulations for IPF Borrowers" (July 2016 Revised November 2017 and August 2018).

Further information can be obtained at the address below during office hours except on the State Government's declared holidays.

Expression of Interest (EOI) with the accompanying information must be delivered in the written form **(with Five hard copies – Page numbered serially with Index)** in a sealed envelope addressed to the Chief Engineer & Project Director, State Project Management Unit (WBMIFMP) of Irrigation & Waterways Directorate by **1600 hours (IST) of 21.10.2022**, at the address below:

Office of the Chief Engineer & Project Director
State Project Management Unit (WBMIFMP)
Irrigation & Waterways Directorate
Government of West Bengal,
9th Floor, Jalasampad Bhavan,
Salt Lake, Kolkata,
PIN-700091, West Bengal, India.
E-mail: ce.pd.wbmifmp@gmail.com

Note: No Proposals (Technical or Financial) are required now. On the basis of information provided by interested consulting firms, the Authority will prepare a shortlist of firms who will be invited to submit detailed proposals as per issued RFP.

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20/9/14

Chief Engineer & Project Director
State Project Management Unit (WBMIFMP)
Irrigation & Waterways Directorate