

REQUEST FOR EXPRESSIONS OF INTEREST

(CONSULTING SERVICES – FIRMS SELECTION)

Country: PAKISTAN
Project: LAHORE WATER AND WASTEWATER MANAGEMENT PROJECT
Project ID No. 0074-PAK

Assignment Title: Project Management Consultant (PMC) / Owner’s Engineer for “Construction of Surface Water Treatment Plant (SWTP) at BRBD Canal, Lahore.”

The Islamic Republic of Pakistan / Government of Punjab has requested financing from the Asian Infrastructure Investment Bank (AIIB) towards the cost of “Lahore Water and Wastewater Management Project - Construction of Surface Water Treatment Plant (SWTP) at BRBD Canal, Lahore.”

Background: Lahore depends entirely on groundwater to meet the water demand of its population including the population served by L-WASA. Water is extracted through 585 tube-wells installed in the city and then pumped into the distribution system. L-WASA provides about 540 Million Gallons per Day (MGD) or equivalent to 2,450,000 m³/day (1000 cusecs). In view of increasing demand due to ongoing urbanization and increased commercial activities, the number of tube wells are also increasing with every passing day. Lahore receives an average annual rainfall of about 715 millimetres, which does not contribute much in recharging the aquifer as groundwater extraction is much higher than recharge. Consequently, the groundwater table continues to deplete with a rapid rate of more than one meter per annum. There is a need to diversify the sources for meeting the city’s water needs including tapping the surface water.

By and large metering is non-existence as only approximately 10 percent connections are metered. In the absence of bulk and customers metering, it is difficult to calculate the exact Non-Revenue Water (NRW). NRW is a critical performance measure indicating the aging and performance of the system; opportunities for improved efficiency; and avenues for improved financial performance/pricing.

L-WASA has planned to induct surface water of 2,450,000 m³/day (1000 cusecs) from BRBD canal in phased manner in order to reduce stress on ground water and subsequently complete shift over to surface water source. Under phase-I of the project, 54 MGD or 245,000 m³/day (100 cusecs) water has been proposed to be taken from BRBD canal (downstream of Ravi syphon) to serve four (04) selected service areas of Lahore after treatment.

Project Description: The project will finance construction of infrastructure for intake of raw water, rapid sand filtration-based Surface Water Treatment Plant (SWTP), transmission & distribution network, District Metering Zones (DMZ) / District Metered Areas (DMA) and metering system to provide clean water to the four selected localities / areas in Lahore. An intake structure will be constructed on BRBD canal downstream of Ravi siphon which will divert canal water and transport it to the proposed SWTP through a raw water channel. Treatment will be based on conventional treatment technology consisting of coagulation, flocculation, media-based filtration (rapid sand filtration)

followed by chlorine-based disinfection. The water after treatment will be pumped to four localities of Lahore, with a combined population of more than one million, which has been selected based on population, groundwater stress, and condition of existing water supply network. The project will be implemented through Design, Build and Operate (DBO)/ Engineering Procurement Construction (EPC) mode with two (02) years O&M period. The two years operation period after the completion of construction will also build the capacity of the L-WASA in safely managing and operating the SWTP.

To address water shortage, water quality and revenue issues in a comprehensive way, the project will implement a NRW program to reduce NRW. This will be accomplished by (a) repairing water leakages through rehabilitation and replacement of outlived pipes; (b) 100% metering of all retail / commercial and bulk customers in the selected areas (c) controlling overconsumption of water by metered based billing; and (d) avoiding water theft through bulk meters installations (e) establishment of DMZs and DMAs. L-WASA computerized billing system will also be strengthened and zone-based monitoring system will be introduced.

The project involves the implementation of the components described below:

Component I:

Construction of new Ravi syphon and intake structure.

(this component will be executed by Punjab Irrigation Department and is not under the scope of PMC. However, PMC will be required to liaise with the Irrigation Department and its consultants and contractors during design and construction phase)

Component II:

Construction of raw water channel and surface water treatment plant of 54 MGD or 245,000 m³/day (100 cusecs) capacity at downstream of Ravi Syphon near Bhaini Road (Civil, Electrical Works, Mechanical Works and SCADA System). This component will be implemented on Design-Build-Operate basis.

Component III:

Providing and Laying of Transmission main 1500 mm internal diameter of HDPE pipe having length of 3.5 km and distribution system of HDPE pipe size ranging from 75mm to 1600 mm including bulk, domestic and commercial Water Meters and allied works. This component will be implemented on Design-Build-Operate basis.

The project includes a Non-Revenue Water (NRW) reduction program and the establishment of DMA and DMZ through installation of bulk meters, customer meters, SCADA system, leak detection and the concept of 24/7 service.

The Water and Sanitation Agency, Lahore (L-WASA), in charge of the implementation of the Project through its Project Management Unit (PMU), intends to use part of the loan funds thereof for payments under the Contract: Project Management Consultant (PMC) / Owner's Engineer for "Lahore Water and Wastewater Management Project-Construction of Surface Water Treatment Plant at BRBD Canal, Lahore."

The consulting services ("the Services") majorly include, but not limited to, the following:

- Review, update and finalize concept/ preliminary engineering designs and tender documents on design-build-operate mode and assist L-WASA to carry out the complete tendering process to recruit the DBO/EPC contractor.
- Review, finalize, approve and validate designs submitted by DBO/EPC contractor including all kinds of reports, estimates and drawings.
- Monitoring, Supervision, testing and commissioning of the project.
- Provide assistance to L-WASA's Project Management Unit (PMU) in the overall project management and implementation.
- Supervision of overall project during the operation and maintenance (O&M) that is to be carried out by DBO/EPC contractor and provide assistance to L-WASA to ensure O&M sustainability of the plant.
- Perform all the obligations as stated in FIDIC Conditions of Contract.
- Assist L-WASA, in implementation of Environmental and Social Management Plans (ESMPs), Resettlement Plans (RPs) and other environmental and social reports as per AIIB guidelines.

Required Qualifications / Experience: The L-WASA now invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria is given below. Specialists will not be evaluated at the shortlisting stage.

- Presentation of the Consultancy firm: general presentation, scope of activities, financial data (net worth, annual turnover, audit statements etc.) for the past 3 years, description of human resources, organogram, etc.
- Experience of consulting services for preliminary & detailed design; tendering & bidding; construction supervision; O&M supervision; and environmental & social due diligence on similar projects, preferably on MDB financed project in Asia during the last 10 years. Similar projects will include the following sub-projects:
 - A. Water pumping station of a capacity of at least 160,000 m³/day (65 cusecs). Experience in high capacity in-line pumping stations with variable head will be preferred. This will include wire-to-water calculations for pumping stations including design optimization for the project life-cycle operations.
 - B. Surface Water Treatment Plant, with granular-media based filtration process, of a capacity of at least 160,000 m³/day (65 cusecs) under FIDIC Document (or similar conditions of contract),
 - C. Water distribution networks including high pressure transmission system and distribution systems for a serving capacity of 160,000 m³/day (65 cusecs) or a population of at least 200,000 people.

- D. Non-Revenue Water (NRW) reduction program, approaches and the establishment of DMA and DMZ through installation of bulk meters, customer meters, SCADA system, leak detection and concept of 24/7 service.

The consultant will provide information for potential involvement of the following team/ staff:

- Team Leader (With International Experience)
- Core Team for Design Review and Tender Stage:
 1. WTP Design (Hydraulics) Specialist (With International Experience)
 2. WTP Design (Process) Specialist (With International Experience)
 3. SCADA Specialist (With International Experience)
 4. Metering and NRW Specialist (With International Experience)
 5. Deputy Project Manager (Water Supply)
 6. Procurement and Contract Management Specialist
- Core Team for Resident Supervision:
 1. Resident Engineer (Civil)
 2. Resident Engineer (E&M)
 3. Social/ Resettlement Specialist
 4. Environmental Specialist
- Core Team for Supervision of O&M for 02 years:
 1. Senior Engineer (Water Supply)
 2. Senior Engineer (WTP)
 3. Senior Engineer (SCADA)
 4. Contract Specialist

Permanent staff of the consulting firm will be favoured. The consulting firm shall present the proposed staff list in a table as per the following template (CVs are not required at this stage):

Name	Qualification	Years of Experience (total/ as a permanent employee of the bidder)	Proposed Position	List of related projects, experience and countries (maximum 15 projects)

Procurement of consulting services will be conducted through the procedures as specified in AIIB's Interim Operational Directives on Procurement Instruction for Recipient (PIR) June 2016. The attention of interested Consultants is drawn to Section II, paragraphs, 4.4 of the AIIB's Interim Operational Directives on Procurement Instruction for Recipient (PIR) June 2016, setting forth the AIIB's policy on conflict of interest.

Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

Once the consultant is shortlisted and invited for submission of the Proposal, it is not permissible to transfer the invitation to any other firm, such as Consultant's parent companies, subsidiaries and affiliates. The Client will reject a Proposal if the Consultant drops a JV member without the Client's prior consent, which is given only in exceptional circumstances, such as debarment of the JV partner or occurrence of Force Majeure.

A Consultant will be selected in accordance with the Quality Cost Based Selection (QCBS) method set out in AIIB's Interim Operational Directives on Procurement Instruction for Recipient (PIR) June 2016.

Among the submitted applications, L-WASA will shortlist a minimum of three (03) and maximum of Six (6) consultants, to whom the Request for Proposals to carry out the services shall be issued.

Further information can be obtained at the address below during office hours from 9:00 AM to 4:00 PM from Monday to Saturday and from 9:00 AM to 1:00 PM on Friday.

The Applicant shall submit Expressions of interest (one original, two hard copies plus electronic document on Flash disk) in a sealed envelope bearing the name, address and contact of the Applicant. The EOI shall be in English accompanied by all the supporting documents. If any original supporting document is not in English, a certified translation of the same in English shall be provided by the Applicant.

Expressions of interest must be delivered in a written form to the address below (in person, or by courier by 20.12.2019 not later than 12:00 Noon (PST)).

Water and Sanitation Agency (WASA), Lahore
Attn: Muhammad Yousaf
Deputy Managing Director (Engineering)
Zahoor Elahi Road, Gulberg-II, Lahore
54660, Lahore, Pakistan.
Telephone: +92-42-99268355; +92-42-99268353 Ext: 235
Email: dmde.lwwmp@gmail.com

Expression of Interest (EOI) Consulting Firms

Project Number	0074-PAK
Project Name	Lahore Water and Wastewater Management Project - Construction of Surface Water Treatment Plant (SWTP) at BRBD Canal, Lahore.
Project Country	Pakistan

I. Consulting Firm Information

Date:	Country of Incorporation ¹ :
Consultant Name:	Acronym:
EOI Submission Authorized by:	Position

Associations (Joint Venture or Sub-consultancy)

Consultant	Acronym	Country of Incorporation	Joint Venture (JV) or Sub-consultant	EOI Submission Authorized By	Position

Present the rationale for and benefits of working in association (JV or Sub-consultant) with others rather than undertaking the assignment independently (as appropriate). Describe the proposed management and coordination approach of the association and the role of each firm.

1 The lead consultant must submit a copy of the Certificate of Incorporation of itself and of each JV member and sub-consultant through IV. EOI Attachments.

I confirm that:

- Documentation regarding our corporate structure including beneficial ownership has been attached.
- Documentation regarding our Board of Directors has been attached.
- A written agreement to associate for the purpose of this Expression of Interest has been signed between the consortium partners and has been attached clearly indicating the Lead firm and financial shares of each firm.

II. Eligibility of Firms

1. Nationality of Firm (International or Local)
2. Any local firm (Entity or each Member of JV) will provide registration with Income Tax Authority and has to be on active Tax Payers List – Provide National Tax Number (NTN).
3. Any local firm (Entity or each Member of JV) which is not registered with any of the following organizations will be considered ineligible and not short-listed:
 - a. Pakistan Engineering Council (PEC) in relevant project profile code.
 - b. Securities & Exchange Commission of Pakistan (SECP)
4. The foreign consulting firm shall be registered in their indigenous country.
5. Presentation of the financial data (net worth, annual turnover, audit statements etc.) for the past 3 years.

III. Assignment Specific Qualifications and Experience

Please provide relevant project information in Section E below.

A. Technical Competence

Cross-referencing from your profile projects in Section E. Project References, highlight the technical qualifications of your entity/consortium in undertaking similar assignments. Provide details of past experiences of providing engineering services (covering design as well as supervision elements) for similar works described in “Project Description” (Maximum up to 04 Projects most relevant, maximum of 01 page each).

B. Geographical Experience

Cross-referencing from your profile projects in Section E. Project References, present experiences in similar geographic areas.

C. Management Competence

(Please answer each question in one paragraph of 8-10 sentences)

1. Describe standard policies, procedures, and practices that your entity has to assure quality assurance processes. Please state if your company has ISO certification or any other recognized quality assurance certifications. Also state standard policies and procedures to avoid replacement of personnel, so as to ensure continuity of professional service delivery under stipulated contract.

2. Describe the organizational structure of firm/ consortium. How will your firm/consortium handle complaints concerning the performance of experts or quality of the reports submitted for this assignment? What internal controls are in place to address and resolve complaints?

3. Describe what social protection practices/ health and safety standards you have in place to safeguard the well-being of your proposed experts? Specifically describe arrangements you have in place for medical, accident, and life insurance coverage during the assignment.

D. Other Information (maximum of 500 words)

E. Project References

Indicate the most relevant projects completed in last 10 years to demonstrate the firm’s technical qualifications and geographical experience (maximum 04 projects), Engineering services must include design elements and construction supervision services. Feasibility studies, capacity development work or other minor technical services will not be considered. For each Project, submit a letter from Client about the Performance.

SN	Project	Period	Client	Country	Firm
1	Provide details of Representative Project				
2					
3					
4					

Representative Project: The consultant must provide at least one project where the consultant has provided engineering services related to design and construction supervision services for construction of media-based water treatment plant and its allied facilities of total design capacity of treatment plant not less than 160,000 m³/day (65 cusecs).

Note: In case of JV/ consortium, the lead firm must have carried out at least 01 similar project as defined under “Representative Project”, while other member(s) must have carried out at least 03 similar projects as defined under “Required Qualifications/ Experience at A, C and D”, respectively.

F. EVALUATION CRITERIA

Sr. No.	Details	Weightage
Technical Competence		80
1.	Experience of providing consulting services under section “Required Qualifications/ Experience at A” for at least one similar project.	15
2.	Experience of providing consulting services under section “Required Qualifications/ Experience at B” for at least one similar project.	30
3.	Experience of providing consulting services under section “Required Qualifications/ Experience at C” for at least one similar project.	15
4.	Experience of providing consulting services under section “Required Qualifications/ Experience at D” for at least one similar project.	20
Geographical Experience		05
1.	Experience of conducting Donor agencies / International organizations/ Multilateral Development Bank (MDB) funded projects related to water supply facilities and allied infrastructures in Asia region.	05
Management Competence		15
1.	Details as defined under Section III – C (1)	05
2.	Details as defined under Section III – C (2)	05
3.	Details as defined under Section III – C (3)	05

Project Summary

Project 1 of __

● Project Name			
● Name of Client			
● Country		Project Location:	
		Country:	
● Participation		As lead firm:	
		As associate firm:	
● Cost of the Project		US\$:	
		PKR:	
● Value of Services Provided by the Firm/ JV		US\$:	
		PKR:	
● Source of Financing			
● Consultancy Services			
(i) No. of staff			
(ii) No. of person months			
● Length of Consultancy Assignment			
● Start Date	(dd/mm/yyyy)		
● Scheduled date of Completion	(dd/mm/yyyy)		
● Actual Date of Completion	(dd/mm/yyyy)		
● Continuous / Intermittent			
● Name of Associate Firms (if any)			
● No. of Person-Months of Professional Staff Provided by Associated Firm(s)			
● Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed			
● Detailed Narrative Description of the Project with total cost			
● Detailed Description of the Actual Services Provided by your Firm with total cost			

IV. EOI Attachments

Sr. No.	Description
1	Certificate of Incorporation of the lead member
2	Certificate of Incorporation of the JV member (for each member)
3	Certificate of Incorporation of the Sub-Consultant (for each sub-consultant)
4	Letter of Association
5	Copy of National Tax Number (for local firm)
6	JV Agreement
7	Black-Listing and Litigation Affidavit
8	Audit Statements for last 3 years

V. Eligibility Declaration²

We, the undersigned, certify to the best of our knowledge and belief:

- We have read the advertisement, including the scope of services, for this assignment.
- Neither the consulting firm nor its JV member or sub-consultant or any of its experts prepared the TORs and Concept/ Preliminary Engineering Design for this activity.
- We confirm that the project references submitted as part of this EOI accurately reflect the experience of the specified firm/consortium.
- We further confirm that, if any of our experts is engaged to prepare the TOR for any ensuing assignment resulting from our work product under this assignment, our firm, JV member or sub-consultant, and the expert(s) will be disqualified from short-listing and participation in the assignment.
- All consulting entities and experts proposed in this EOI are eligible to participate in AIIB-funded, supported and administered activities.
- The lead entity and JV member or sub-consultant are NOT currently sanctioned by AIIB or other MDBs. Neither the consulting firm nor the JV member or sub-consultant has ever been convicted of an integrity-related offense or crime related to theft, corruption, fraud, collusion or coercion.
- We understand that it is our obligation to notify AIIB should any member of the consortium become ineligible to work with AIIB or other MDBs or be convicted of an integrity-related offense or crime as described above.
- JV member or sub-consultant, including all proposed experts named in this EOI, confirmed their interest in this activity in writing.
- JV member or sub-consultant, including all proposed experts named in this EOI, authorized us in writing to represent them in expressing interest in this activity.
- None of the proposed consortiums are subsidiaries of and/or dependent on the Executing Agency or the Implementing Agency or individuals related to them.
- We understand that any misrepresentations that knowingly or recklessly mislead or attempt to mislead may lead to the automatic rejection of the proposal or cancellation of the contract, if awarded, and may result in further remedial action, in accordance with AIIB's Prohibited Practice.
- All pages of the EOI have been signed by the Authorized Person, Authorization Letter giving name, CNIC number/ Passport number, designation, date and specimen signatures have been attached.

2. Eligibility refers to AIIB's Procurement Policy, Clause 5.8 and 7.0 on Prohibited Practice and Integrity.