

REQUEST FOR EXPRESSIONS OF INTEREST

(CONSULTING SERVICES – FIRMS SELECTION)

Country:	PAKISTAN
Project:	Construction of Eastern Wastewater Treatment Plant (44 MGD) of Faisalabad City (Phase-I).
Project ID No	----
Assignment Title:	Consultancy Services for Preparation of Preliminary Design, Tender Documents, and Construction Supervision of Eastern Wastewater Treatment Plant (44 MGD) of Faisalabad City (Phase-I).

The Islamic Republic of Pakistan has requested financing from the Danida Sustainable Infrastructure Finance (DSIF) as soft loan toward the cost of project “Construction of Eastern Wastewater Treatment Plant (44 MGD) of Faisalabad City (Phase-I)”.

BACKGROUND: Water and Sanitation Agency, Faisalabad (F-WASA), a subsidiary of Faisalabad Development Authority, (FDA) was established on April 23, 1978 under the Development of Cities Act 1976 with a view to providing and catering for the services with regard to Water Supply, Sewerage and Drainage. The WASA Faisalabad is administratively aligned to HUD&PHED of the Government of Punjab. Presently, total service area of WASA Faisalabad is 225 sq.km with total registered consumers for water & sewerage are 2, 60,000. It is estimated that WASA provides about 72% of the city with sewerage services and about 70% with water services. The topography of Faisalabad city is flat, and the wastewater is being pumped through the sewerage system by WASA Faisalabad. Untreated wastewater from households and industries is discharged into drainage channels which eventually flow to rivers.

The ground water quality of the city is brackish and not suitable for potable water, in particular near the drains. The groundwater is badly affected by the haphazard construction of industries discharging their untreated polluted effluent into open fields around them and due to irrigation by untreated wastewater. The seepage of wastewater near drains is deteriorating the ground water quality. The injudicious use of poor-quality groundwater for irrigation increases salinity problems because of its residual alkalinity. Keeping in view the alarming situation, construction of wastewater treatment plants has been proposed to save the environment from degradation.

An MOU was signed between the Government of Punjab through the Water & Sanitation Agency (WASA), Faisalabad, and the Danish Embassy in Islamabad on collaboration between the Pakistani and Danish governments on construction of wastewater treatment project in Faisalabad. Danida Sustainable Infrastructure Finances signed a contract with a Consultant for the preparation of a Feasibility Study and Preliminary Engineering Design of Wastewater plant. Feasibility report recommended Trickling Filter Technology (To be reviewed/vet by the Consultant) best for Faisalabad City. In this regard, Danida Sustainable Infrastructure Finance (DSIF) has agreed to provide funds to F WASA through a Euro 130 million soft loan facility for the construction of Eastern wastewater treatment. The Faisalabad East WWTP will reduce the pollution load discharged to the Madhuana Drainage channel by treating domestic and industrial wastewater from Channel No. 4 sub-catchment in the eastern

part of the city. The flowrate to be treated by the WWTP located at the Madhuana site will be 200,000 m³/day at year 2038 to meet NEQS as well as EU discharge standards; and WHO guidelines for disinfection. Treated effluent will be discharged to the Gugera Branch Irrigation Canal for agricultural reuse.

PROJECT DESCRIPTION: The project involves the implementation of the components (however exact components will be finalized during refining/finalizing preliminary design prepared by Sweco) described below:

Component 1: Covering/Remodeling of Channel 4

Illegal extraction of wastewater from the open channels has become a problem in Faisalabad City. Therefore, covering/remodeling of downstream Channel No. 4 to stop illegal extraction of raw wastewater from the drainage channel for use in agriculture is a component of the project.

Continuous improper disposal of domestic and industrial wastewater has resulted in significant environmental degradation in Faisalabad, its adjoining areas and associated receiving waters (Chenab River and Ravi River). Conditions of the open drain channels are anoxic; bacterial content is high and thus posing environmental and health risks to the city inhabitants.

Component 2: Laying of Trunk Sewer

Wastewater from Drainage Channel No.4 will be intercepted just before the channel reaches Madhuana drain and conveyed through a gravity trunk sewer running alongside Madhuana drain and then along Niamawala road up to the inlet works of the Faisalabad East WWTP.

Component 3: Wastewater Treatment Plant (44 MGD)

The treatment process in wastewater treatment plant will be trickling filter, to be constructed as two modules of 100,000 m³/day capacity (each of 22 MGD) located at the Madhuana drain site. Due to the high industrial wastewater discharged to the sewerage system, in particular from the textile sector, the treatment process will also include a coagulation flocculation and sedimentation process.

Component 4: Wastewater Effluent Pumping Station

Treated effluent will be transported to the Gugera Branch Irrigation Canal for effluent re-use in agriculture. The effluent pumping station capacity is designed to handle the peak flow of 240,000 m³/d (53MGD, or 10,000 m³/hr) at 18 m head or at suitable head as per detailed design.

From the effluent pumping station, located within the Faisalabad East WWTP plot, a force main will convey the treated effluent all the way to the disposal location in Gugera Branch Canal.

The Water and Sanitation Agency, Faisalabad (F-WASA), in charge of the implementation of the Project, intends to use part of the funds thereof for payments under the Contract “Consultancy Services for Preparation of Preliminary Design, Tender Documents, and Construction Supervision of Eastern Waste Water Treatment Plant (44 MGD) of Faisalabad City (Phase-I).”

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

- Review, update and finalize concept / preliminary engineering design.
- Prepare tender documents adhering to DSIF “Rules of Procurement”, UN Guiding Principles on Business and Human Rights and IFC Performance Standards on Environmental and Social Sustainability.
- Assist F-WASA to carry out the complete tendering process to recruit the DBO contractor.
- Provide assistance to F-WASA’s Project Management Unit (PMU) in the overall project management and implementation.
- Review, finalize and validate design submitted by DBO contractor including all kinds of reports, estimates and drawings.
- Monitoring, Supervision, testing and commissioning of the project.
- Review, finalize and approve Operational Manuals submitted by DBO contractor.
- Perform all the obligations as stated in FIDIC Conditions of Contract.
- Assist F-WASA, in implementation of Environmental and Social Management Plans (ESMPs), Resettlement Plans (RPs) and other environmental and social reports as per DSIF guidelines.

REQUIRED QUALIFICATIONS / EXPERIENCE: The F-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.

- Presentation of the Consultancy firm/JV: general presentation, scope of activities, description of human resources, organogram, etc.
- Presentation of financial data (annual turnover, audit statements etc.) for the past 3 years. In case the bidder is a consortium, these will be calculated by taking arithmetic sum of turnover (for last 03 FYs in EUROS) of each JV member of the consortium.
- Experience on similar projects executed during the last 10 years for the following infrastructure under FIDIC or similar conditions of contract
 - Wastewater pumping station of a capacity of **at least 4,000 m³/hour** or larger.
 - Laying of Trunk sewer line having diameter **at least 1,000 mm** or larger.
 - Wastewater Treatment Plant (**Based on Trickling filter technology**) having capacity of **at least 100,000 m³/d** or larger.
 - Wastewater Treatment Plant having capacity of **at least 100,000 m³/d** with biogas production.
 - Remodeling / covering of channel / drain.
- Documented experience of at least three years for similar assignments / projects involving wastewater treatment, preferably in the region or from the developing countries.

- Experience of calculation of cost of all life cycle phases of similar projects.
- Management Competence to be provided as per format provided in the evaluation sheet.

NOTE THAT IN ALL OF THE ABOVE:

Executed in last 10 years" means completed in last 10 years or currently at least 50% complete as demonstrated by start and end dates for the project.

Engineering services include Design element, Tender preparation and Construction Supervision services. Feasibility studies, capacity development works, or other minor technical services will not be considered.

For evaluation purposes, no marks will be given if project reference provided by consultant/JV does not meet "At least capacities/sizes" mentioned above. Marks will be rationalized in case the project reference provided is meeting/or above than the "At least capacities/sizes".

Similar projects include design, preparation of tender documents and works supervision for above mentioned infrastructure. Marks will be rationalized on the basis of design, tender preparation and supervision of each referred project.

For joint ventures, a Joint venture agreement shall be submitted and signed – with clear indication of the JV lead.

The consultant/JV shall provide detail references sheets (not more than 20 references – if more than 20 references are presented, only the 20 first references will be evaluated) and a reference list to sum up references, as per the following template:

Project name	Country	Start and End dates	Total contract amount	Company position and contract share	Technical characteristics (with regards to criteria defined previously for similar projects)	Scope of work / Activities performed

The consultant/JV will provide information for potential involvement of the following team/staff (bidder if per-qualified is free to choose any specialist to the team in the bid during RFP submission stage and is not bound to propose any of the candidates listed in this EOI):

- Team Leader for design / tendering part (International)
Minimum a bachelor's degree in sanitation engineering/environmental engineering or similar relevant for the assignment, with 15 years of relevant experience (Design & Tender preparation) on wastewater treatment projects
- Wastewater treatment Specialist (International)¹
Minimum a bachelor's degree in civil engineering / sanitation engineering or other relevant discipline having 10 years relevant experience in wastewater treatment projects.
- Biogas production / process specialist (International)

¹ International expert is an expert with at least 5 years' experience in country other than client's country or at least 5 years' experience on an international project (project involving international Competitive bidding, ICB).

Minimum a Bachelor's degree in civil / environmental / sanitation engineering process or other relevant discipline having 10 years' experience in wastewater treatment involving bio-gas production. -

○ Construction Engineer (National)²

Minimum a Bachelor's degree in civil engineering having 10 years' experience in design of hydraulics/water retaining structures.

○ Chief Resident Engineer (International)

Minimum a Bachelor's degree in civil engineering or other relevant discipline having 15 years' experience in the supervision of construction of WWTPs.

Potential backstopping support should also be described.

Permanent staff of the consulting firm will be favored. The consultant/JV 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 main related project experience and countries

The lead firm (with at least 60% share will be registered firm in Denmark) and shall form an Association or Joint Venture with a Pakistan consulting engineer. All other members of Joint Venture or Association shall be from countries that are eligible to trade with Pakistan. The letter of intention to form a Joint Venture (or an association) to be signed by all Joint Venture / Association members and must be included in the pre-qualification criteria. Any sub-consultant will not be included in the assessment. The consultant companies in any joint venture will not participate in more than one EOI. Note that the expertise of sub-consultant that is not JV partner will not form part of the EOI evaluation.

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

Procurement of consulting services will be conducted through the procedures as specified in "Rules for procurement available online on DSIF's website <https://www.ifu.dk/wp-content/uploads/2020/01/DSIF-Rules-for-Procurement-FINAL-June-2019.pdf>.

A Consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) Method set out in the Consultant Guidelines.


The minimum qualifying marks for EOI evaluation are 65 out of 100.

Answers to questions for EOI documents clarification can be obtained through e-mail: wasafsd@yahoo.com not later than 10 days prior to deadline of submission of EOI. All questions and answers will be published on the website <http://wasafaisalabad.gop.pk/>.

² National expert is an expert who is a citizen of client's country in which consultancy services are required.

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 and should be clearly marked with the following statements "**Consultancy Services for Preparation of Preliminary Design, Tender Documents, and Construction Supervision of Eastern Waste Water Treatment Plant (44 MGD) of Faisalabad City (Phase-I)**", Contract No. XXX. 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 17.03.2021 not later than 14:00 Noon (PST)).



Deputy Director (Project)
Water and Sanitation Agency,
Jail Road, Faisalabad.
Phone: +92-41-9210058,
Fax: +92-41-9210054
Email: wasa_fsd@yahoo.com

BIDDER'S DECLARATION to Danida Sustainable Infrastructure Finance (DSIF) concerning bidding of Consultancy for Design, Tendering and Supervision of Faisalabad Wastewater Treatment Plant Project (44 MGD)

Danida Sustainable Infrastructure Finance (DSIF) has approved financial support to the Faisalabad Wastewater Treatment Plant Project and has now approved launch of tender for the Consultancy for Design, Tendering and Supervision of the Project.

Bidder: (insert) in case of JV all JV partners shall sign this declaration.

Buyer (in the Contract called the Employer): Water & Sanitation Agency, Faisalabad.

End User: Water & Sanitation Agency, Faisalabad.

The approval of DSIF support is subject to the following conditions:

- a) That the undersigned Bidder accepts Danida's zero tolerance towards corrupt, facilitating, fraudulent, collusive and coercive practises and complies with the UN Guiding Principles on Business and Human Rights.

Further, the Bidder shall have declarations from the sub-contractor(s) that the subcontractor(s) accept(s) Danida's zero tolerance towards corrupt, facilitating, fraudulent, collusive and coercive practises and abide with the UN Guiding Principles on Business and Human Rights as above in case the subcontractor(s) holds ten percent or more of the total value of the contract.

- b) That DSIF may obtain documentation regarding the project at any time, including payment documents, supply contract, etc.

- c) That the undersigned Bidder accepts the terms of DSIF's Rules for Procurement (June 2019), including

- The right of stoppage by DSIF.
- That variations and claims will not be financed by DSIF unless otherwise agreed with DSIF.

The undersigned Bidder warrants that the aforesaid conditions will be strictly complied with.

This declaration is subject to Danish law, and any dispute shall be brought before the City Court of Copenhagen.

.....
Place, date

.....
Binder Signature

|

Sr No.	Mandatory Requirements / Pre-requisite
1	Registration certificate of National Firm with SECP.
2	Registration Certificate of International consulting firms with relevant authorities in their respective countries.
3	Registration Certificate (NTN) from FBR and on the active list of Taxpayer. (for national firm)
4	Registration Certificate from Punjab Revenue Authority (for national firm)
5	Audited Financial Statements of the firm duly audited by the Chartered Accountant Firm for the last 3 years (for all JV members)
6	Power of Attorney for Representative
7	<p>The applicant / Partner of the JV shall attach original affidavit by declaring on oath that the applicant:</p> <ul style="list-style-type: none"> i. is not in bankruptcy or liquidation proceedings; ii. has never been declared ineligible/blacklisted by Government / Semi-Government / Agency or Authority or any employer till date due to the any reason iii. is not making any misrepresentations or concealing any material fact and detail; iv. has not been convicted of fraud, corruption, collusion or money laundering; v. is not aware of any conflict of interest or potential conflict of interest arising from prior or existing contracts or relationships which could materially affect its capability to comply with its obligations; and vi. does not fall within any of the circumstances for ineligibility or disqualifications
8	Affidavit for Correctness of Information
9	Litigation History (for each JV member) for the last five years to be provided as per template given below

Litigation History

Year	Award for or against the applicant	Name of client, cause of litigation and matter in dispute	Disputed amount (current value PKR Rs. or equivalent)

Checklist for Documents

Sr No.	Document	Checked
1	Signed PQD (to show compliance by consultant)	
2	Complete Application form with all annexures	
3	Affidavit regarding correctness of information	
4	Affidavit regarding Non-Blacklisting of Firm	
5	Proof of registration of National firm with SECP	
6	Proof that company / firm is an active taxpayer	
7	Proof of registration with Pakistan Engineering Council of national firm.	

Criteria for Evaluation of Consulting Firms
Consultancy Services for the Preparation of Preliminary Design, Tender Documents and Construction Supervision of Wastewater Treatment Plant

Criteria No.	Description	Marks
1	Presentation of the consultancy firm including scope of activities; description of human resources especially key personnel's i.e. Team Leader, Wastewater treatment specialist, Bio-gas production/ process specialist, Construction Engineer, Chief Resident Engineer; organogram etc.,	15
2	Financial capacity of firm (The arithmetic sum of avg. annual turnover for the last three years in case of consortium and marks will be rationalized between 1.5-4.5 million Euro or above.).	10
3	Experience of technical design, tendering & procurement process and project supervision etc., under FIDIC or similar conditions of Contracts for: <ul style="list-style-type: none"> - Wastewater treatment plant applying Trickling Filter technique. - Wastewater treatment plant with bio-gasification of sludge with power production. - Effluent pumping station - Trunk sewer / Force main and remodeling of channels. 	30 10 10 10
4	Experience of calculation of cost of all life cycle phases of similar projects.	5
5	Documented experience of at least three years for similar assignments / projects involving wastewater treatment, preferably in the region or from the developing countries.	5
6	Management Competence to be provided as per given format:	5
	Total	100

(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. **(1.5 Marks)**

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? **(1.5 Marks)**

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. **(1 Mark)**

4) Other relevant Information (maximum of 500 words) **(1 Mark)**