



WATER AND SANITATION AGENCY, LAHORE

EXPRESSION OF INTEREST (EOI) / PRE-QUALIFICATION DOCUMENT (PQD)

FOR

**FEASIBILITY, DETAILED ENGINEERING DESIGN, PREPARATION
OF PC-I FOR WASTEWATER TREATMENT PLANTS (WWTPs) AT
MOHLANWAL AND FERROZPUR ROAD NEAR HUDIARA DRAIN,
LAHORE.**



DEPUTY MANAGING DIRECTOR (ENGG.)

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Water and Sanitation Agency (WASA), LDA Govt. of the Punjab intends to hire services of Engineering Consulting Firm for:

FEASIBILITY, DETAILED ENGINEERING DESIGN, PREPARATION OF PC-I FOR WASTEWATER TREATMENT PLANTS (WWTPs) AT MOHLANWAL AND FERROZPUR ROAD NEAR HUDIARA DRAIN, LAHORE.

Section A

INVITATION FOR EXPRESSION OF INTEREST (EOI)

The interested consultancy firms having experience of similar nature works may apply alongwith the following information / particulars, duly supported with necessarily documents:

1. Name of firm / address of the registered office with telephone / fax number and e-mail address including organization chart showing management structure. Format for letter of EOI application as per **Appendix 1**.
2. Memorandum of Articles of Association of the firms.
3. Certificate of Registration with the Pakistan Engineering Council alongwith the valid renewal letter in relevant project profile code.
4. Copy of Registration with Securities and Exchange Commission of Pakistan or Registrar of Firms.
5. Only relevant Project wise experience with time duration for each Project.
6. List of similar works completed by the Firm during the last 10-years and similar works in hand, indicating total cost of such works and cost of Consultancy Services received against those works along with date of start and completion or expected date of completion. The Bidder should furnish details of technical experience of the Firm as on the date of submission of EOI as per **Appendix 2**.

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7. An undertaking by the consultants / firms / JVs to the effect that "Neither the firm / consultants / JVs nor its Directors / Stakeholders, as a whole or as a part of the firm have even been Black-listed / defaulted by any Government and Autonomous Agency / Department / Organization and also that the information supplied by the consultants / firm / JVs is correct".
8. Certificate / Affidavit that the consultants / firms / JVs is not in litigation with any client.
9. Audited Statements of account for the last 03-years including the Audited Balance Sheet and Profit & Loss Account of the Bidder (of each member in case of a consortium).
10. Details of net worth, annual turnover & net cash accruals duly filled and signed as per **Appendix 4**.
11. Copy of Registration with relevant Tax Departments.
12. Maximum three (03) number of firms are allowed to make JV / consortium. The same firm shall not be allowed to submit EOI individually and in JV with any other firm. Every JV shall be unique. For international firms, it is mandatory to make JV / consortium with local firm/firms.
13. List of permanent professional staff along with CVs of relevant core staff showing relevant project wise experience with exact time duration for each project. The Bidder should furnish details of technical experience of core team/ professional staff as on the date of submission of EOI as per **Appendix 3**.
14. Water and Sanitation Agency (LDA) Lahore reserves the right to reject all the applications at any time prior to the acceptance, on the basis of valid reasons and no claim whatsoever, shall be entertained on this account. If at any stage concealment / distortion of fact is detected it would be sufficient cause to reject the application.

Section B.

BRIEF SCOPE OF WORK

1 BACKGROUND INFORMATION

1.1 Beneficiary

Project aims to improve the deteriorated environmental conditions of river Ravi due to disposal of untreated wastewater/sewage.

1.2 Relevant Background

Lahore is the capital of the Province of Punjab and the second largest city of Pakistan. It is also an important cultural and commercial center and is famous for its historical monuments of Mughal period such as Badshahi Mosque, Lahore Fort, Shalimar Garden, Tomb of Jehangir etc. Lahore is the main junction of Pakistan Railways and also connected by Motorway / Highways to all major cities of Pakistan. Major portion of the city lies towards East and South of river Ravi, a tributary of mighty River Indus. The average elevation of the city is 700 ft. above the mean sea level. The city is situated on the flood plain of river Ravi which has a gradual slope towards South- West.

Water and Sanitation Agency (WASA) Lahore, is the subsidiary agency of Lahore Development Authority (LDA), Government of the Punjab, Pakistan, created under Section 10 (2) of the LDA Act, 1975 to perform all functions and exercise all powers with regard to water supply, sewerage and drainage with power to collect rates, fees and charges for water supply, sewerage & drainage, and is the regulated monopoly for water supply & sewage services in the City, operating in the area of more than 350-Sq.Km.

Currently, all of the wastewater generated in Lahore City (domestic and industrial) is being discharged untreated into river Ravi through different discharge points as no Wastewater Treatment Plant (WWTP) is constructed yet in Lahore City. An estimated 540 MGD (1000 Cusec) of untreated sewage is being disposed of into river Ravi resulting in serious environmental and public health issues. Due to this worrisome situation, WASA Lahore has planned to establish Wastewater Treatment Plants in the city on priority basis.

2. SUMMARY OF SCOPE OF WORK:

The overall scope of the assignment is to:

- 2.1 Review of available studies on collection of wastewater from South Lahore & preparation of updated proposals on collection of wastewater and up-gradation of existing disposal stations in the project area.
- 2.2 Provide detailed alternate analysis in the feasibility study for the following scenarios of construction of WWTPs:
 - i. Construction of separate WWTPs at Mohlanwal and Ferozpur Road near Hudiara drain.
 - ii. Construction of a combined WWTP for Mohlanwal and Ferozpur Road near Hudiara drain.
- 2.3 Conduct Feasibility Study to establish Wastewater Treatment Plants for Mohlanwal and Ferozpur Road near Hudiara drain, Lahore including the alternate analysis for selection of site, Conveyance of wastewater to the treatment plant site, Geotechnical investigations, Topographical surveys, Physical Model study, Flood Protection Studies, Environment & Social Impact Assessments, Design Flows calculations, Wastewater Quality Monitoring, Selection of wastewater parameters for design of treatment plants, selection of most suitable technology for wastewater treatment by comparing all possible treatment technologies and costs of treatment over a plant life (In case WSPs are non-viable due to land availability and/or suitability) and a comprehensive plan for sludge management.
- 2.4 Develop a Business model of the WWTP(s).
- 2.5 Prepare the Preliminary Engineering Design(s), Detailed Engineering Design(s), Cost Estimates/PC-I(s) and Tender/Bidding Documents.

3. TYPE OF CONTRACT:

Lump sum / fixed amount. Payment schedule will be based on deliverables as per agreement.

4. DURATION

Implementation Period of subject consultancy work will be 12 months.

Section C.

EVALUATION CRITERIA

Minimum Qualifying Score = 65

The evaluation for short-listing of the firms shall be based on the following criteria:

Sr. No.	Criteria	Weightage
1.	Company/JV's Technical Experience <ul style="list-style-type: none"> ➤ Number of similar Assignments ➤ Relative size of similar assignment 	20
2.	Staffing / Core Team <ul style="list-style-type: none"> ➤ Education & Qualification ➤ Relevant Experience ➤ Relevant Projects 	80
Grand Total		100

PARAMETERS FOR EVALUATION

1. FINANCIAL CAPABILITY

1.1 Eligibility Criteria based on Financial Capability Threshold:

Sr. No.	Description	Threshold Amount (in PKR)	Documents Required
1.	Average Annual Turnover in last 3 accounting years	At least 130 Million	Audited statements for last three years duly certified by Chartered Accountant must be provided in EOI document.
2.	Net Worth	At least 20 Million	Financial statements must be provided in EOI document.

For the purpose of Evaluation, the Bidder (a single entity or a consortium) should demonstrate the Threshold Financial Capability of the firm by providing supporting documents which shall include the following details:

- i. Turnover in each of the last three financial years.
- ii. Net worth as on 31st December 2019 as certified by Chartered Accountant.
- iii. Average Annual Net Cash during the last three (3) financial years.
- iv. Single entity bidder and all members of the consortium, if applicable, should be profit-making concerns for the last 3 years.
- v. Details of net worth, annual turnover & net cash accruals duly filled and signed as per **Appendix 4**.

Note:

- Companies/Firms having Average Annual Turnover less than 130 million in last 3 accounting years will not be considered for evaluation.
- Companies/Firms having Net Worth less than 20 million will not be considered for evaluation.

1.2 Special Condition in case of Consortium

In case of consortium, lead firm must have minimum 40% shares and other firms have at least 25% shares in consortium. Percentage of shares of each firm must be clearly mentioned.

In case the Bidder is a Consortium, turnover, net worth and net cash accruals would be taken as an arithmetic sum of net worth, turnover and net cash accruals of each member of the Consortium, calculated in the ratio of their stake in the consortium. The

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Consortium would be required to meet the threshold criteria on the basis of aggregate figures subject to provisions of this Clause.

In case the Bidder claims the technical and/or financial capacity of Bidder's companies/associates, the bidder shall necessarily submit documentary evidence i.e. proof of such claims. Such documentary evidence shall consist of Chartered Accountant certificates to support such capacity.

2. COMPANY'S/JV TECHNICAL EXPERIENCE (20 marks)

2.1 Number and relative size of similar assignments:

- i. At least one (01) similar consultancy work (Municipal WWTP of at least 20 MGD capacity) must be carried out by the firm in last 10 years.
- ii. Maximum two similar Projects (Municipal WWTP of at least 20 MGD capacity) will be evaluated each carrying equal marks (i.e.10). Maximum marks for two projects shall be 20.

2.2 Marking Criteria for Company Experience:

Each project shall be evaluated based on the following marking criteria:

Relative size and similarity of the each Project				
Similarity	Multiplication Factors (Financial Weightage)			Marks Obtained (Maximum 10)
	80% or more	50%-80%	Less than 50%	
Strong	1	0.65	0.30	____ X 10
Medium	0.65	0.4225	0.195	
Weak	0.30	0.195	0.09	

2.3 Evaluation of Technical Experience of the firm

The Bidder which could be a single entity or consortium shall be evaluated on the following:

- i. Projects completed during the last ten years shall only be considered. Only eligible projects shall be considered for estimation of technical experience. Irrelevant projects will not be considered for evaluation.
- ii. Experience of similar assignments (Municipal WWTP) in scope and scale (either individually or as a consortium member);
- iii. Professional capability of the Bidder such as availability of qualified and experienced managerial and diverse technical professionals; and
- iv. The Bidder shall furnish details of technical experience of the Firm as on the date of submission of EOI as per **Appendix 2**.

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3. TECHNICAL STAFF / CORE TEAM (80 marks)

3.1 Core Team Members, Required Qualification, Marks distribution, Minimum Experience and Required Experience of Core Team:

Core team shall be evaluated based on the following marking criteria:

Sr. #	Position	Qualification (Minimum)	Allocated Marks	Minimum Experience (Years)	Area of Work / Experience in relevant Projects
1	Team Leader	M.Sc./B.Sc. (Civil/Sanitary/ Env. Engineering)	35	M.Sc. with 15 years & B.Sc. with 20 years experience	Must have experience in carrying out the similar assignments of wastewater treatment plants and be able to plan, organize and effectively implement all scheduled activities of the project and to Co-ordinate and lead the team to ensure the timely completion of tasks.
2	Senior Waste Water Treatment Engineer (Local)	M.Sc./B.Sc. (Civil/Sanitary/ Env. Engineering)	15	M.Sc. with 10 years & B.Sc. with 15 years experience	Must have previous professional experience in the design & technical studies of at least 03 Municipal WWTPs.
3	Waste Water Treatment Expert (International)	M.Sc./B.Sc. (Civil/Sanitary/ Env. Engineering)	15	M.Sc. with 10 years & B.Sc. with 15 years experience	Must have previous international professional experience in the design of at least 05 projects of Municipal WWTPs.
4	Sewerage Expert	M.Sc./B.Sc. (Civil/Sanitary/ Env. Engineering)	15	M.Sc. with 10 years & B.Sc. with 15 years experience	Must have expertise in design of sewerage projects in at least 05 similar nature assignments.
Total = 80					

3.1.2 Marking Criteria for Qualification of Core Team

Every member of the core team of expert shall be evaluated using the following criteria:

Qualification (20% Marks)	Experience & Understanding (80% marks)
PhD: 20%, M.Sc.: 18%, B.Sc.: 16%	Equal marks For 5 similar projects only

(%age of allocated Marks)



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3.2 Details of Core Team

The Bidder should furnish details of technical experience of core team/ professional staff as on the date of submission of EOI as per **Appendix 3**.

NOTE:

Selection will be based on verifiable demonstration of experience and qualifications in similar projects as well as qualification of firm.

➤ **DATE OF SUBMISSION OF PROPOSAL**

The EOI (03 Hard copies & one Soft copy) must reach to the office of Deputy Managing Director (Engg.), WASA Head Office, Zahoor Elahi Road, B-Block Gulberg-II, Lahore not later than 05.05.2020 till 12:00 Noon.

Name: **Muhammad Yousaf**
Designation: Deputy Managing Director (Engg.)
Address: WASA Head Office, Zahoor Elahi Road, Near Main Market, B-Block Gulberg-II Lahore.
E-mail: dmdengglhrwasa@gmail.com
Website: <http://www.wasa.punjab.gov.pk/>



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Section D.

APPENDIX 1

FORMAT FOR LETTER OF EOI APPLICATION

[On the Letter Head of the Bidder (in case of Single or Lead Member (in case of a Consortium))]

Date:

The Deputy managing Director (Engineering),
WASA, LDA, Lahore.

FEASIBILITY, DETAILED ENGINEERING DESIGN, PREPARATION OF PC-I FOR WASTEWATER TREATMENT PLANTS (WWTPs) AT MOHLANWAL AND FERAZPUR ROAD NEAR HUDIARA DRAIN, LAHORE.

Sir,

Being duly authorized to represent and act on behalf of (hereinafter referred to as "the bidder"). And having reviewed and fully understood all of the qualification requirements and information provided, the undersigned hereby expresses its interest and apply for qualification for subject consultancy services.

We are enclosing our Expression of Interests (EOIs), in one Original and one Copy, with the details as per the requirements of the EOI and PQD, for your evaluation.

The undersigned hereby also declares that the statements made and the information provided in the EOIs are complete, true and correct in every detail.

We confirm that the EOI application is valid for a period of 90 days from the due date of submission of EOI application and is unconditional.

Yours faithfully,
(Signature of Authorized Signatory)
(Name, Title and Address of the Bidder)
Bidder seal& stamp

APPENDIX 2 INFORMATION RELATED TO EXPERIENCE

Project name	Value of the agreement (in current PKR)
Country Location within country	Duration of project (months)
Name of Client	Total No. of staff-months (by your company) on the project:
Start Date (Month/Year) Completion Date (Month/Year)	Value of total project provided under an agreement (in current PKR) In case of consortium, value of part of the project provided by Bidder under the agreement (in current PKR)
Name of associated members, if any	No. of professional staff-months provided by the associated members:
Name of senior professional staff of your company involved and functions performed (indicate most significant profiles such as Team Leader etc.):	
Narrative description of Project	
Description of actual services provided by your staff within the assignment.	

Note:

- Only the eligible projects that satisfy technical criteria shall be included.
- All the Financial numbers are to be given in Pak Rupees.

(Signature of Authorized Signatory)



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APPENDIX 3 CURRICULUM VITAE (CV) FOR PROFESSIONAL STAFF

1. Current Position (only one candidate shall be nominated for each position):_____
2. Name of Company (insert name of company proposing the staff:_____
3. Name of Staff(insert full name)
4. Date of Birth:_____Nationality:_____
5. CNIC No (if Pakistani): _____ or Passport No: _____
6. Education

Degree	Major/Minor	Institution	Year

7. Membership of Professional Associations: _____
8. Other training (indicate significant training since degrees under 6 - Education were obtained)

9. Languages (For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing) _____
10. Employment Record (Starting with present position, list in reverse order every employment held by staff member since graduation, giving/or each employment (see format here below): dates of employment, name of employing, organization, positions held):

Employer	Position	From (MM/YYYY)	To (MM/YYYY)

11. Detailed task Assigned _____



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12. Work undertaken that Best Illustrates Capability to Handle the Tasks Assigned:

1. Name of project: _____
Year: _____
Location: _____
Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

2. Name of project: _____
Year: _____
Location: _____
Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

3. Name of project: _____
Year: _____
Location: _____
Client: _____
Main project features: _____
Positions held: _____
Activities performed: _____

13. Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of staff member or authorized representative of the staff] Date: _____



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APPENDIX 4

FORMAT FOR ESTABLISHING FINANCIAL CAPABILITY

FINANCIAL CAPABILITY OF SINGLE ENTITY

Turnover, Net Worth & Net Cash Accruals

NET WORTH <i>(PKR. Millions)</i>	NET CASH ACCRUALS (CA) <i>(PKR. Millions)</i>			TURN OVER <i>(PKR. Millions)</i>		
	Year	Year	Year	Year	Year	Year

(Signature of Authorized Signatory)

Bidder Seal & Stamp

Signature, Name, Address & Membership No. of Chartered Accountant