



WATER AND SANITATION AGENCY (LDA)

ZAHOOR ELAHI ROAD, LAHORE.

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PREQUALIFICATION DOCUMENT(PQD)

PRE-QUALIFICATION / SHORT LISTING OF ENGINEERING CONSULTING FIRMS"

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

"Consultancy Services for Design / Review of Design and Residence Supervision for Laying of Sewerage System from Larex Colony to Gulshan-e-Ravi Lahore"

The interested consultancy firms having experience of similar nature works may apply for selection containing 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.
2. Memorandum and Articles of Association of the firms.
3. Certificate of Registration with the Pakistan Engineering Council, Islamabad alongwith the valid renewal letter in relevant project profile category.
4. Copy of Registration with Securities and Exchange Commission of Pakistan or Registrar of Firms.
5. Complete information of the Firms as per PPRA Rule 47.
6. Project wise experience with time duration for each Project.
7. 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 alongwith date of start and completion of expected date of completion.
8. 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 Agency / Department / Organization and also that the information supplied by the consultants / firm / JVs is correct.
9. Certificate / Affidavit that the consultants / firms /JVs is not in litigation with any client.

10. Superfluous / irrelevant information shall lead to disqualification.
11. Audited Statement of account for the last 03-years.
12. Copy of Registration with Income Tax Department.
13. List of permanent professional staff along with CVs of relevant core staff showing project wise experience with exact time duration for each project.

A. Project Description

- 1.1 M/s NESPAK has carried out the Study / Master Planning of Central Lahore and recommended the laying of Trunk Sewerage System for safely disposal of sewage/ wastewater from the project area. As per Master Plan / recommendation of M/s NESPAK, Improvement of sewerage system has been recommended by laying of new Trunk Sewer lines one branch start from Larex Colony and other from Mustafabad and joins at Samanabad More Multan Road and lead to Gulshan-e- Ravi D/Station, where construction of a new Disposal Station has been proposed to dispose of the sewage /storm water into river Ravi across the Bund road.
- 1.2 The project area includes **(i) Larex Colony to Gulshan-e-Ravi:** Larex Colony, Gahri Shahu, Durand Road, Bibi Pakdamana, Shimla Hill, Cooper Road, Lakshmi Chowk, Macleod Road GPO, Nabha Road, Lower Mall, Chouburji Multan Road Gulshan-e-Ravi and their adjoining areas. **(ii) Mustafabad to More Samanabad Multan Road:** Mustafabad, Basti Saidan Shah, Mian Mir Colony, Gulberg, Shadman, Shah Jamal, Shama, Rasool Park, Samanabad, and adjoining localities.
- 1.3 Sewerage systems exist in almost all the project area. The existing sewerage system was laid 25 to 60 years back, mainly consists of R.C.C. sewer pipes along with a network of egg-shaped brick masonry sewers and the related appurtenances. During this period, there has been immense increase in population resulting into an increase in sewage flow, making the system deficient for the present population Further the laid system has been outlived their operational life and there are frequent maintenance problems. At many locations of project area, lift stations are constructed which are pumping sewage directly into the nearby drains to work as sullage carriers. Presently there are so many sewerage overflow problems which aggravates during rainfall and causing social and environmental hazard. The Trunk Sewer of 60" i/d (17000 Rft) and 96" i/d (17000 Rft) along with construction of new Disposal Station with a capacity of 300 Cfs at Gulshan-e-Ravi has been proposed to lay with the modern technology of Tunneling Boring Method (TBM) / Pipe Jacking to care for sewage disposal as well as storm water and reduce the flooding in the area during monsoon in particular.
- 1.4 Trenchless Technology offers an alternative to the traditional open-cut method of pipeline installation having so many advantages / merits on open cut method. A pipe jack is a system of directly installing pipe behind an open-face tunnel boring machine (TBM). The pipe is then hydraulically jacked from a launch shaft, so that it forms a continuous string in the ground. This Horizontal Boring/ Pipe Jacking technology / methodology have been proposed to lay the trunk sewer lines to reduce the traffic disruption, avoid road cut, public inconvenience and speedy construction in highly built up area of Lahore.
- 1.5 WASA, LDA intends to hire services of experienced consultants for Design/Review of Design / validation of Master Planning, detailed Engineering Design and Methodology for execution of work by Trenchless Technology, with improved construction materials / techniques, and resident supervision, etc for this project.

B. Evaluation Criteria:**B1. Experience and Under Standing.**

Most relevant Project Name: _____ (Consultancy Cost: _____
 Rs. _____ Million and Project Cost: Rs. _____ million.)
Maximum Marks=20

Relative size of Project				
Similarity	Multiplication Factors (Financial Weightage)			Marks Obtained
	80% or more	50%-80%	Less than 50%	
Strong	1	0.65	0.30	20 x Multiplication factor
Medium	0.65	0.4225	0.195	
Weak	0.30	0.195	0.09	

B2. Personnel.

Maximum Marks (for 12 Person) = 80
Maximum Marks (for 1 Person) = 6.667

Qualification (20% Marks)	Experience (50% Marks)	Understanding (30% marks)
PhD:1.33, MSc:1.2, BSc:1.08	Full Marks: 3.334 For 10 years experience	Full Marks: 2 For 5 similar projects (0.4 for each project)

Sr. No.	Designation	Name	Qualification (1)	Exp. (2)	Understanding (3)	Total marks (1)+(2)+(3)
1.	Team Leader/ Project Manager					
2.	Structure Engineer					
3.	Pumping Station Expert					
4.	Electrical Engineer					
5.	Sewerage Expert					
6.	Geotechnical Expert					
7.	GIS Expert					
8.	Asstt. Resident Engineer (Civil-1)					

Sr. No.	Designation	Name	Qualification (1)	Exp. (2)	Understanding (3)	Total marks (1)+(2)+(3)
9.	Asstt. Resident Engineer (Civil-2)					
10.	Asstt. Resident Engineer (Civil-3)					
11.	Asstt. Resident Engineer (Mech)					
12.	Asstt. Resident Engineer (Electrical)					
	Total					

Note:

- (i) Maximum seven firms will be shortlisted.
- (ii) The minimum prequalification marks are 65.

The EOI must reach to the office of Deputy Managing Director (Engg) WASA Head Office, Zahoor Elahi Road, Near Main Market, B-Block Gulberg-II, Lahore by 20.12.2014 at 03:00PM.

Name : **Aftab Ahmad**
Designation : Deputy Managing Director (ENGG)
Address :- WASA Head Office, Zahoor Elahi Road, Near Main Market,
B-Block Gulberg-II Lahore.
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