



WATER AND SANITATION AGENCY (LDA)

59-F GULSHAN-E-RAVI LAHORE

Technical Bid

RECEIPT NO. _____

DATED _____

OPENING DATE _____

(FOR OFFICE USE ONLY)

TENDER NO.P&S/25.01/6192 - REPLACEMENT OF 2CFS CAPACITY TUBEWELL AT BAGRIAN PIND GREEN TOWN LAHORE

NAME OF FIRM _____

ADDRESS _____

COMPLETION PERIOD 60-DAYS

DCR NO. _____ DATED _____ RS. _____

ISSUED BY _____ Name of Branch _____

INSTRUCTIONS FOR BIDDERS

1. The bidder should quote rate after careful study of bid document.
2. The bid must accompany NTN certificate from concerned Income Tax Office without which the bid will not be entertained.
3. Any rebate on tendered rates of item/whole bid cost shall not be accepted.
4. Bid will be **valid for the 120 days**.
5. No tender will be received telegraphically or by post.
6. Conditional tender will not be accepted.
7. The bidder must provide PRA Certificate along with bid.
8. In case the total tendered amount is less than 5% (Five) of the approved estimated (DNIT) amount, the lowest bidder will have to deposit additional performance security from the Scheduled Bank ranging from 5% to onward (equivalent to percentage as quoted below of approved estimated cost (DNIT)).
9. This bid contains 116-pages (06-pages of Technical bids, 04-pages of Financial bid, 46-Pages of Technical Specifications and 60-pages of tender condition for works).
10. The tenderer shall fill up the bid schedule and indicate the percentage rate above or below the schedule of rates for the "Scheduled Items" on which he is willing to undertake the each item of work. No premium will be quoted by the contractor against Non Scheduled / item rates, failing which the bid may be rejected. The rates of non-scheduled items should be quoted both in figures as well as in words. Similarly the total amount of the individual items should also be mentioned both in figures as well as in words.

SPECIAL CONDITIONS

1. The replacement of materials shall be in accordance with the specified requirements and compatible to the existing Tubewell machinery.
2. The Contractor shall attach relevant documents as a support which is required in technical evaluation criteria duly signed and stamped by bidder otherwise bidder shall not be qualified / responsive.
3. The decision of Technical Evaluation committee shall be final and acceptable by the bidders.
4. Bid security in the shape of **CDR** amounting to **Rs.141,950.00** must be attached with technical bid failing which the bid shall be rejected.
5. CDR must be on account of firm /company/Joint Venture in favour of **Deputy Director Procurement** failing which the bid shall be rejected.
6. Each page of technical bid and attached documents must be signed and stamped by the bidder failing which the bid shall be rejected.
7. **E-stamp** paper according to stamp act article **No.22A(a)(iii)** amounting to **Rs.3,000.00** shall be provided by the bidder for execution of Contract Agreement.
8. Contractor "**All Risk Policy**" by WASA approved insurance company shall be provided by the bidder and shall be made a part of Contract Agreement.
9. The sub-contractor's experience shall be considered for evaluation.
10. Only the sub-contractor share, by value, shall be considered to meet.
11. The General Experience and financial resources of sub-contractor shall not be considered to those of the bidder for purpose of qualification of the bidder.
12. In Case of experience as sub-contractor the bidder must produce agreement (Containing detail work/Activities performed during agreement) with prime contractor.
13. Joint Venture must comply with the following requirements:
 - a) Following are minimum requirements for Joint Venture: -
 - i) In accordance with PEC Bye Laws, Foreign Firms are required to form JVs with local Firms.
 - ii) The lead partner shall meet not less than **40%** percent of all qualifying criteria given in paras heretofore.
 - iii) Each of the partners shall meet not less than **25%** percent of all the qualifying criteria given in paras heretofore.
 - iv) The joint venture must collectively satisfy the technical evaluation criteria. Heretofore, for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity. Individual members must satisfy each of the requirements.
 - v) The lead partner shares shall not be less than **40%** and shares of each partner of JV shall not be less than **25%**.
 - vi) The JV agreement must registered with sub registrar mentioning the joint and several liabilities with respect to the contract and Joint account of the firms to whom the transactions shall be made.
 - b) Any change in a technically responsive/ qualified JV after evaluation, shall be subject to the written approval of the client such approval may be denied if: -
 - i) Partner(s) withdraw from a JV and remaining partners do not meet the qualifying / technical evaluation criteria;
 - ii) The new partners to a JV are not stand qualified/ responsive individually or as another JV; or
 - iii) In the opinion of the Client, a substantial reduction in competition would result.

iv) One firm shall not be partner in more than one JV.

c) Bid shall be signed by all members in the JV so as to legally bind all partners, jointly and severally, and any bid shall be submitted with a copy of the JV agreement duly registered with sub-registrar providing the joint and several liabilities with respect to the contract.

14. The technical evaluation of a JV does not necessarily qualify any of its partners individually or as a partner in any other JV or association. In case of dissolution of a JV, each one of the constituent firms may be declared qualified / technically responsive if they meet all the requirements as described in technical criteria and any partner of JV has requested/shall request for the same and then his qualification shall be subject to the written approval of the Client.
15. The Bidder (including all members of a JV) must not be associated, nor have been associated in the past, with the consultants or any other entity that has prepared the design, specifications and bidding documents for the project, or was proposed as Engineer for the contract, over the last five (05) years. Any such association may result in disqualification/ non-responsiveness of the Bidder.
16. A qualified firm/contractor/JV may participate only in one bid only for the contract. If a firm submits more than one bid, singly or as a JV, all bids including that bidder will be rejected.

TECHNICAL EVALUATION CRITERIA

PART-A: BASIC ELIGIBILITY

1. Registration with WASA (in Category C or above) / HUD&PHED.
2. **PEC License C-6** with specialization in **CE-09 & CE-10**.
3. Registration certificate / Memorandum of Association / Article of Association /Partnership deed registered with sub-registrar/ Affidavit of sole proprietorship.
4. Registration with **FBR & PRA (NTN & PNTN)**.
5. No Black Listing and Litigation on Judicial stamp paper of Rs.**100**.

PART-B: DETAIL EVALUATION CRITERIA

Sr. No.	Category
1.	Experience Record
2.	Personnel Capabilities
3.	Equipment Capabilities
4.	Financial Soundness

Detail Evaluation shall be decided on the basis of responsive / non-responsive.

EXPERIENCE RECORD

The firm / applicant / bidder must meet following requirements.

Sr. No.	Description	Required Documents
1.	Any project of Installation / Construction including drilling boring of Tubewells having 02Cfs Capacity in last 05-years .	Attach Copy of Work Order/ Contract Agreement and completion certificates.

1. PERSONNEL CAPABILITIES

The applicant must have in his employment suitably qualified personnel with relevant experience. The firm / applicant / bidder must meet following requirements.

Sr. No.	Description	Required Documents
1	Technical Staff	The Applicant shall attach evidence of detailed CVs, affidavit of employment on judicial stamp paper or salary slips of Technical staff with the application and valid PEC Registration certificates of the Engineers. In case of evidence of technical staff is not attached the staff shall not be considered for evaluation.
I	Graduate Engineers Registered with PEC Number of Engineers 1 @ 05 year experience	
Ii	Number of Diploma Engineers in the Firm 1 @ 05 year experience	
Iii	Driller 1 @ 10 year experience	
Iv	Assistant Driller 2 @ 10 year experience	
V	Pump Tester	
Vi	Electrician	
Vii	Mechanic	

2. EQUIPMENT CAPABILITIES

The firm / applicant / bidder must meet following requirements.

Sr. No.	Equipment Type and Characteristics	Required Documents
1.	Direct Rotary / Reverse Rotary Rig Machine capable to drill hole size of 26" i/d upto depth of 800 ft 01 No.	Attach ownership Certificate / Transfer letter are any other ownership proof. The bidder shall provide undertaking on judicial stamp paper of Rs.100 that he has his own rig machine with all necessary equipment and he will be responsible if his statement found false at any stage during inspection by the department
2.	Excavator 01 No	
3.	Development and testing unit (having pump with 200 ft column pipe) capable to D&T for Tubewell atleast 1.5 times of designed capacity till the satisfactory results as per specifications are achieved. 01 No.	
4.	Welding plant 01 No.	
5.	Water Bowser 1 No.	
6.	Drilling Rod 850 Rft	

3. FINANCIAL POSITION

The firm / applicant / bidder must meet following requirements.

Sr. No.	Description	Required Documents
1.	Average Annual turnover in last three (03) years 7.5 million	Authenticated audited sheets of last three years.
2.	Available Bank credit line / any proof of liquid assets equal to 4.5 million or above.	Recent / Most current bank credit line certificate / bank statement.

Note:

1. WASA, the Client reserves the right to verify the originality and genuineness of the submitted documents, in case of defective information the firm/Applicant/JV may be disqualified/blacklisted.



WATER AND SANITATION AGENCY (LDA)
59-F GULSHAN-E-RAVI LAHORE

Financial Bid

RECEIPT NO. _____

DATED _____

OPENING DATE _____

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**TENDER NO.P&S/25.01/6192 - REPLACEMENT OF 2CFS CAPACITY TUBEWELL
AT BAGRIAN PIND GREEN TOWN LAHORE**

NAME OF FIRM _____

ADDRESS _____

COMPLETION PERIOD **60-DAYS** _____

DCR NO. _____ DATED _____ RS. _____

ISSUED BY _____ Name of Branch _____

INSTRUCTIONS FOR BIDDERS

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FINANCIAL BID

For

TENDER NO.P&S/25.01/6192 – REPLACEMENT OF 2CFS CAPACITY TUBEWELL AT BAGRIAN PIND GREEN TOWN LAHORE

S.No	Description	Qty	Unit	Rate	Amount
	<u>STANDARDIZED ITEMS</u>				
1	Dismantling brick work lime or cement motor	3.88	%Cft	2661.40	10,329.56
	<u>MRS 2nd Half 2019, Chap 4, P34, item 13</u>				
2	Dismantling cement concrete 1:2:4 Plain	9.00	%Cft	6888.30	61,994.70
	<u>MRS 2nd Half 2019, Chap 4, P35, item 19(c.)</u>				
3	Dismantling brick or flagged flooring without concrete foundation.	18.0	%Sft	532.30	9,581.40
	<u>MRS 2nd Half 2019, Chap 4, P36, item 29</u>				
4	Earthwork excavation in open cutting upto 5'-0" (1.5 m) depth for storm water channels, drains, sullage drains in open areas, roads, streets, lanes, including under pinning of open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:-				
i)	Ordinary (40' x 35' x 5')	7.00	%0Cft	5569.00	38,983.00
	<u>MRS 2nd Half 2019, Chap 3, P28, Item 7(i)</u>				
5	Pacca Brick work in foundation and plinth.				
i)	Ratio (1:4)	9.20	%Cft	21543.15	198,196.98
	<u>MRS 2nd Half 2019, Chap 7, P51, Item 4(i)</u>				
6	Pacca Brick work in Ground floor				
ii)	Ratio (1:6)	3.88	%Cft	21874.15	84,871.70
	<u>MRS 2nd Half 2019, Chap 7, P52, Item 5(i)</u>				
7	Cement plaster 1:3 upto 20' (6.00 m) height				
	½" (13 mm) thick	23.43	%Sft	2000.05	46,861.17
	<u>MRS 2nd Half 2019, Chap 11, P72, Item 8(b)</u>				
8	Direct rotary/reverse rotary drilling of bore for tubewells in all types of soil except shingle, gravel and rock.				
a)	From ground level to 250 ft. BGL 20" to 26" i/d.	250	P/Rft.	784.50	196,125.00
b)	Exceeding from 250 ft. to 300 depth BGL with 26" dia bit	50	P/Rft.	784.50	39,225.00
c)	Exceeding 300ft. depth below ground level 20" to 26" i/d	455	P/Rft.	784.50	356,947.50
	<u>MRS 2nd Half 2019, Chap 23, P130 Item 5 (a-ii & b-ii).</u>				

S.No	Description	Qty	Unit	Rate	Amount
9	Providing and installing M.S blind pipe socketed/welded joint, M.S. reducer in tubewells bore hole including jointing/welding with strainer, etc.				
	18" i/d 1/4" (450 mm i/d 6 mm) thick.	303	P/Rft	3514.85	1,064,999.55
	<u>MRS 2nd Half 2019, Chap 23, P132, Item 14 (f)</u>				
10	Shrouding with gravel around 10" i/d fiber glass pipes	760.2	P/Cft	114.15	86,776.83
	<u>MRS 2nd Half 2019, Chap 23, P133, Item No. 18</u>				
11	Transportation of earth all types when the total distance, including the lead coverd in the item of work, is more than 1000ft (300m) (drilled earth from bore hole) upto 5mile (8km) lead	2.10	%0Cft	7172.80	15,062.88
	<u>MRS 2nd Half 2019, Chap 3, P29 Item 17 (a,b,c)</u>				
12	Cement concrete plain including placing, compacting, finishing and curing complete (including screening andwashing of stone aggregate)				
f)	1:2:4	9.00	%Cft	23184.20	208,657.80
	<u>MRS 2nd Half 2019, Chap 6, P42, item 5(f)</u>				
13	Flat brick flooring laid in 1:6 cement mortar, over a bed of 3/4" (20 mm) thick cement mortar, 1:6	18.0	%Sft	6446.60	116,038.80
	<u>MRS 2nd Half 2019, Chap 10, P66, item 8</u>				
	Total for STANDARDIZED ITEMS				2,534,648.55
	% Above / Below on MRS 2nd Half 2019 _____				
	<u>NON STANDARDIZED ITEMS</u>				
1	Providing and installing, Fiber Glass blank pipe in the tubewell borehole including jointing with the Fiber Glass blank pipe / strainer pipe. 10" i/d 6.00mm thick & weight of 63kg±5%/20Rft.	330	P/Rft		
2	Providing and installing, Fiber Glass strainer in tubewell bore hole including jointing with the Fiber Glass blank pipe / strainer pipe. 10"i/d 6.50mm thick & weight of 62kg±5%/20Rft with 10% open area.	140	P/Rft		
3	Providing and installing, Fiber Glass Bail plug in tubewell bore hole. 10" i/d 6.00mm thick 10 ft. long & weight of 63kg±5%/20Rft.	1	Each		
4	Providing/fixing M.S centerlizers	12	Each		
5	Taking sample one number at every 5 ft. or from each stratum as per direction of Engineer including submission construction charts etc. and results of strata analysis.	151	Each		
6	Providing and sealing with puddle clay between shrouding and grouting etc.	1	Job		
7	Sealing of annular space around 18" mild steel housing pipe with 1:1 cement sand slurry including all sorts of materials.	296	P/Rft		

S.No	Description	Qty	Unit	Rate	Amount
8	Development testing and disinfecting of complete well in accordance with the tendered specifications including disposal arrangement of water as pumped.	1	P/Job		
9	Chemical, physical and arsenic analysis of water from Approved Lab.	1	P/Job		
10	Providing and fixing M.S. cap to cover the pump house casing upto 18.5" dia 1/4" thick including welding.	1	Each		
11	Providing/laying cement concrete block size as per drawing with RCC ratio 1:2:4 to house casing complete i/c screening of aggregate shuttering M.S Bars size 1/2" i/d & 2 Nos. clamps at right angle 1/2" thick 6" wide 5 ft long for holding down bolts with nuts complete.	1	P/Job		
12	Installation of supply well	1	P/Job		
13	Providing/Installation of MS stand casing 3/8" thick with 38" i/d	24	P/Rft		
14	Geophysical bore hole logging	1	P/Job		
15	Dismantling/Refixing of M.S Fence.	1	P/Job		
16	Providing/fixing Carrugated Sheet (8'x4') i/c Joints etc around Working Area of the site for Safety Arrangments Complete	300	Rft		
	Total for NON STANDARDIZED ITEMS				
	Total for STANDARD ITEMS				
	Grand Total				

Note:

- 1 Quantities of blank pipes and strainers given in the estimate are only the average quantities for 2-Cfs tubewells, as per past experience.
- 2 Placement of blind pipes and the strainer to be decided at site after careful examination of Hydrogeological conditions and grain size analysis of strata after drilling. Hence, quantities of useable strainer and blind pipe and depth of drilled hole may vary from site to site.
- 3 Dismantling of Pacca brick work, restoration of pacca brick work & transportation of earth etc will be paid as per actual & where necessary.

Name of Firm _____

Address _____

Signature _____