

WATER AND SANITATION AGENCY (LDA)

59-F GULSHAN-E-RAVI LAHORE

RECEIPT NO. _____

DATED ____ / ____ / ____

OPENING DATE _____

(FOR OFFICE USE ONLY)

TENDER NO. P&S/25.01/6346-REHABILITATION IMPROVEMENT OF CARPET ROAD, WATER SUPPLY & SEWERAGE IN STREET NO. 4,6&7 NEELAM BLOCK, ALLAMA IQBAL TOWN UC-219, LAHORE.

NAME OF FIRM _____

ADDRESS _____

COMPLETION PERIOD _____ 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 rates 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.
3. The bid must accompany NTN certificate from concerned Income Tax Office without which the bid will not be entertained.
4. Any rebate on tendered rates of item/whole bid cost shall not be accepted.
5. Bid will be **valid for the 120 days**.
6. No tender will be received telegraphically or by post.
7. Conditional tender will not be accepted.
8. The bidder must provide PRA Certificate along with bid.
9. 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 10%

SPECIAL CONDITIONS

- 1) The Successful bidder shall furnish **E-stamp paper** for agreement at his own cost as per requirements of Punjab Government.
- 2) Financial Rules by Finance Department Government of Punjab issued from time to time shall be applicable.
- 3) The Successful bidder shall upon receiving work order/acceptance letter the successful bidder shall report to the **Director Construction-II WASA** for execution of work.
- 4) The Successful bidder shall have to get the quality of material checked and finished work tested by the supervisory staff through **WASA Quality Control Division** and obtain a certificate to this effect. No payment shall be released if the material is not got checked and finished product not got tested finally.
- 5) The Successful bidder shall have to arrange One original and six copies of the "**All Risk Policy**" from any **Insurance Company** having **AA Rating** from **PACRA / JCR** for execution of contract agreement.

BIDS SCHEDULE

FOR

TENDER NO. P&S/25.01/6346-REHABILITATION IMPROVEMENT OF CARPET ROAD, WATER SUPPLY & SEWERAGE IN STREET NO. 4,6&7 NEELAM BLOCK, ALLAMA IQBAL TOWN UC-219, LAHORE

Sr. No	Description	Qty	Unit	Rate	Amount
	STANDARDIZED ITEMS				
	(MRS 2nd BI Annual 1st July 2020 to 31st December 2020)				
1	Dismantling and removing road metalling. Chap 4 Item 45	5536.10	%Cft	1455.15	80,558.56
2	Dismantling cement concrete 1:2:4 plain Chap 4 Item 19c	2768.05	%Cft	8003.40	221,538.11
3	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water, in all types of soil except shingle, gravel and rock.				
a)	With Shuttering				
i)	0 ft to 7 ft depth.	66462.85	%Cft	6370.75	423,418.20
ii)	7.01 ft to 15 ft. depth Chap 3 Item 42	12022.08	%Cft	10709.95	128,755.88
4	Dry rammed brick or stone ballast 1 1/2" to 2" gauge. Chap 6. Item. 2.	5673.32	%Cft	5170.45	293,336.17
5	P/laying RCC pipe sewers, moulded with cement concrete 1:1.5:3 with spigot socket or collar joint, etc. Chap 21. Item. 1.				
	(9") i/d	250.00	P/Rft	367.20	91,800.00
6	P/laying RCC pipe sewers, moulded with cement concrete 1:1.5:3 conforming to ASTM specification C-76 Chap 21. Item. 4				
	(12") i/d	600.00	P/Rft	579.25	347,550.00
	(18") i/d	1200.00	P/Rft	890.70	1,068,840.00
7	Cement concrete brick or stone ballast 1.5" to 2" gauge in foundation and plinth. Ratio 1:4:8. Chap. 6 Item. 3i	1197.25	%Cft	14010.60	167,741.91
8	Cement concrete plain including placing, compacting, finishing & curing complete (i/c screening and washing) Ratio 1:2:4. Ratio 1:4:8. Chap. 6 Item. 5.	5840.62	%Cft	22027.35	1,286,533.81
		1197.25	%Cft	17673.75	211,598.97
9	Pacca brick work other than building in cement sand mortar (1:3). Upto 10 ft. height. Above 10' to 20' height Chap. 7 Item. 7,8	3982.76	%Cft	25463.45	1,014,148.10
		995.69	%Cft	26423.90	263,100.13
10	Extra for pacca brick work in steining of wells or any other circular masonry. Chap. 7 Item. 10.	4978.45	%Cft	2128.55	105,968.80
11	Cement plaster ratio (1:3) 1/2" thick upto 20 ft. height. Chap. 11 Item. 8b	5281.53	%Sft	2199.85	116,185.74
12	Bitumen coating to plastered or cement 20 lbs per 100 Sft. Chap. 13 Item. 9.	5281.53	%Sft	1149.45	60,708.55

Sr. No	Description	Qty	Unit	Rate	Amount
13	Cement pointing flush up to 20' height- (b) 1/2" (13 mm) thick.	3592.99	%Sft	2076.00	74,590.47
	Chap. 11 Item. 16-a				
14	P/laying reinforced cement concrete (including prestresse concrete) using coarse sand and screened grade and washed aggregate in moulds, shuttering, lifting, compacting, curing, complete (but e/i the cost of steel reinforcement its fabrication and placing in position etc).				
	a-i) Reinforced cement concrete in roof slab, beams, columns, lintels, girders & other structural members laid in situ or precast laid in position, or prestressed members cast in situ, Type-B Nominal Mix (1:1.5:3).	108.63	P/Cft	401.20	43,582.36
	Chp 6 Item 6.				
15	Fabrication of mild steel re-inforcement for cement concrete, i/c cutting, bending, laying in position, making joints and fastenings, i/c cost of binding wire & labour charges for binding of steel reinforcement (also includes removal of rust from bars). Deformed Bars. Grade 40.	601.68	%Kg	15276.50	91,915.65
	Chp 6 Item.9 b.				
16	Rehandling of earhtwork.				
	lead upto to a single throw of kassi.				
a)	phaorah or shovel.	29320.37	%oCft	1818.95	53,332.29
	Chap. 3 Item. 13a .				
17	Compaction of earth work (soft, ordinary or hard soil). a) Mixing, moistening earth to optimum moisture in layers for compaction, etc complete.c) Ramming of earth work (all type of soil).	29320.37	%oCft	1975.95	57,935.59
	Chap. 3 Item. 24				
18	Transportation of earth when the total distance including the lead covered in the item of work is 5 miles. (payment shall be made on actual measured.)	43980.56	%o Cft	7,246.70	318,713.92
	Chap 3 Item. 17,a,b,c.				
19	P/F 6" thick RCC M.H. cover with Tee shaped C.I. Frame, 22" i/d (frame weighing 37.324 kgor one maund) as per standard drawing STD/PD No.6 of 1977, complete in all respects.	39.00	P/Set	8925.75	348,104.25
	Chp21 Item 15-a.				
20	Supplying and filling sand under floor, or plugging in wells.(in road cuts)	29320.37	% Cft.	2103.15	616,651.36
	Chapter 7, Item 30.				
21	Bailing out water:- b) by pump	691200.00	%o Cft.	504.70	348,848.64
	Chapter 26, Item 35.				
22	Carriage of 100 cft (2.83 cu.m) of all material like stone, aggregate, spawl, kankar or lime (unslacked) surkhi etc or 150 cft (4.25 cu.m) timber by truck or by any other means owned by the contractor (189 Km)	5802.00	%Cft	5805.00	336,806.10
	Chapter 01, Item 01.				

SOPs for As Built Drawings of Sewerage System

No final bill of any development work shall be cleared by the Finance Directorate WASA, LDA till the submission of As Built Drawings by the executing directorate and their clearance by the Director Planning & Design, WASA, LDA, Lahore. The GIS section shall incorporate the As Built Drawings in the existing GIS database of the organisation. The Director (P&D) shall intimate the Director Finance regarding the clearance of As Built Drawings. In order to facilitate the incorporation of the As Built Drawings into GIS and their clearance from the Planning and Design Directorate, WASA, the drawings must conform to the following criteria:

1. As Built drawings should be drawn to an appropriate scale with a reference coordinate system.
2. Free hand drawings or drawings not to the scale shall not be accepted.
3. In case of disposal/lift stations, drawings should have GPS coordinates, detail of pumping machinery and pipe material showing:
 - i) Discharge capacity
 - ii) Motor manufacturer's name, Horse Power, RPM
 - iii) Pump manufacturer's name, Pump Capacity, Head
 - iv) Transformer manufacturer's name, KVA
 - v) Motor Control Unit manufacturer's name, details
 - vi) **Force Main:** Length, size & material
 - vii) **Bar Screen:** Length, size & material
 - viii) **Penstock Gate:** Length, size & material
4. Sewer Lines and Manholes drawings should have the following information:
 - i) Invert level of sewer with respect to the Natural Surface Level (NSL)/ Mean Sea Level (MSL) w.r.t. Survey of Pakistan Benchmarks, whichever is available.
 - ii) Sewer size and length
 - iii) Starting / Ending Point, all vertices / bends
 - iv) Material of sewer & flow direction
 - v) Size & GPS Coordinates of Manhole
 - vi) Depth of Manhole w.r.t. NSL/MSL
5. Where applicable, building drawing and internal structure detail drawings should be in AutoCAD format.
6. Standardized legends should be mentioned on the drawing sheets.
7. Drawing sheet must be duly signed by:
 - i) Sub Engineer
 - ii) SDO/JCE
 - iii) XEN/SCE
8. Covering letter by the relevant Director/XEN should be attached with drawings.

9. Drawings should contain the following contract details:

- i) Name of Project
- ii) Contract No.
- iii) Name of Contractor
- iv) Start & Completion Date

10. All data used in making the Drawings must be submitted in soft format/ GIS vector files in a CD/DVD/USB drive or other storage medium enclosed.

11. Any additional information that may be deemed necessary by the GIS Team and approved by Director (P&D), must be made available in order to receive final clearance by the Director (P&D).

Time Frame for checking of drawings is:

- i) Time duration for study of drawings by GIS team is 3 working days from the date of receipt submission/re-submission.
- ii) Time duration for checking/clearing of drawings by Director (P&D) is 24-48 hours, after receipt from the GIS section.

SOPs for As Built Drawings of Water Supply System

No final bill of any development work shall be cleared by the Finance Directorate WASA, LDA till the submission of As Built Drawings by the executing directorate and their clearance by the Director Planning & Design, WASA, LDA, Lahore. The GIS section shall incorporate the As Built Drawings in the existing GIS database of the organisation. The Director (P&D) shall intimate the Director Finance regarding the clearance of As Built Drawings. In order to facilitate the incorporation of the As Built Drawings, into GIS and their clearance from the Planning and Design Directorate, WASA, the drawings must conform to the following criteria:

1. As Built drawings should be drawn to an appropriate scale with a reference coordinate system.
2. Free hand drawings or drawings not to the scale shall not be accepted.
3. In case of OHR: Coordinates, Completion date, Height, Bowl Base, Bottom Water, Level (BWL), To Water Level (TWL), Bowl Top and capacity should be provided.
4. In case of Tubewell, drawings should have GPS coordinates, detail of pumping machinery, complete bore log and pipe material showing:
 - i) Strata chart, bore log report and conversion report
 - ii) Motor manufacturer's name, Horse Power, RPM
 - iii) Pump manufacturer's name, Pump Capacity, Head
 - iv) Transformer manufacturer's name, KVA
 - v) **Housing pipe:** Length, size & material
 - vi) **Strainer:** Length, size & material
 - vii) **Blind pipe:** Length, size & material
 - viii) **Bail plug:** Length, size & material
 - ix) **Overlap:** Length, starting & ending depths
5. In case of drawings of filtration plant, it should be equipped with the following information:
 - i) Main features of plant
 - ii) GPS coordinates
 - iii) Name & capacity of plant
 - iv) Manufacturer's name with installation details
 - v) Expected lifespan & replacement dates of filters
6. In case of drawings of water bottling plant, it should be equipped with the following information:
 - i) Name, capacity & coordinates of the plant
 - ii) Manufacturer's name with installation details
 - iii) Daily and monthly bottle filling capacity
7. In case of water supply pipelines following information should be provided:
 - i) Pipe diameter and length
 - ii) Coordinates of starting / ending point, all vertices / bends
 - iii) Material of pipe
 - iv) Depth of pipeline w.r.t. NSL/MSL
 - v) Coordinates of fire hydrant flushing hydrants & valves with their types
 - vi) Depth & location of plugging points of abandoned pipelines, if any

8. Details of the house connections, if the same have been provided under the scheme/project.
9. Where applicable, building drawing and internal structure detail drawings should be in AutoCAD format.
10. Standardized legends should be mentioned on the drawing sheets.
11. Drawing sheet must be duly signed by:
 - i) Sub Engineer
 - ii) SDO/JCE
 - iii) XEN/SCE
12. Covering letter by the relevant Director/KEN should be attached with drawings.
13. Drawings should contain the following contract details:
 - i) Name of Project
 - ii) Contract No.
 - iii) Name of Contractor
 - iv) Start & Completion Date
14. All data used in making the Drawings must be submitted in soft format/ GIS vector files in a CD/DVD/USB drive or other storage medium enclosed.
15. Any additional information that may be deemed necessary by the GIS Team and approved by Director (P&D) must be made available in order to receive final clearance by the Director (P&D).

Time Frame for checking of drawings Is:

- i) Time duration for study of drawings by GIS team is 3 working days from the date of receipt/re-submission.
- ii) Time duration for checking/ clearing of drawings by Director (P&D) is 24-48 hours, after receipt from the GIS section.