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BID SCHEDULE**NAME OF WORK: AUGMENTATION OF WATER TREATMENT PLANT MILLAT TOWN, FAISALABAD.**

Estimated Cost= 29.952 Million

Time Limit: 120 Days.

Earnest Money: (Rs. 6,00,000/-)

S. No.	Ref: MRS	Description	Unit	Quantity	Estimated Rate Rs.
SUB-HEAD (1) CIVIL WORK					
Sub Head # 1 Providing and Laying of filter media:					
1	C-7/7-i	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:2	100 Cft	9000.00	24362.45
2	N.S	Providing and Laying of gravel size	1 Cft	12000.00	72.22
iii		3"-1"	1 Cft	6000.00	72.22
iii		1" -3/8"	1 Cft	6000.00	72.22
iii		3/8" - 1/8"			
3	NS	Providing and Laying of Harrow sand size			
		0.35mm - 0.30mm	1 Cft	24000.00	67.53
		0.30mm - 0.25mm	1 Cft	24000.00	67.53
4	N.S	Providing and Laying of River sand size			
		0.22mm - 0.18mm	1 Cft	60000.00	41.13
5	C-9/20	Cast iron rain water down pipe fix in position , excluding heads and shoes but i/c painting and clumps etc. for Vent Shaft b) 3" (75mm) cost iron down pipe	1 Rft	600.00	207.80
6	C-9/21	Rain water down pipe cost iron heads fix in place including cost of clumps hold fast and painting.	1 No	60.00	586.40
7	C-9/22	Shoes, heads or offsets cast iron rain waer down pipe including fixing and painting.	1 No	60.00	339.65
Sub Head # 2 : Construction of Pump House					
Size of Pump House 24.5x18.5					
1	C-3/21	Excavation in foundation of buidling bridges and other structure including dag belling dressing refilling around structure with excavated earth watering and ramming lead upto one chain and list upto 5ft.	1000 Cft	2076.75	7687.15
2	C-6/3	Cement concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth. (1:4:8)	100 Cft	346.14	13780.20
3	C-7/4	Pucca brick work in foundation and plinth in cement sand mortar (1:5)	100 Cft	1437.81	21319.1
4	C-6/33	P/L damp proof course of cement concrete 1:2:4 using cement sand and shingle i/c bitumen coating. b) with 2 coats of bitumen ii) 2" thick.	100 Sft	159.75	5727.90
5	C-7/5(i)	Pucca brick work in gound floor (1:5)	100 Cft	2485.14	22876.15
6	C-6/6	P/L reinforced cement concrete (including prestressed concrete) using coarse sand screened graded and washed aggregate in required shpae and design including forms moulds shuttering lifting compacting curing complete etc.			

S. No.	Ref: MRS	Description	Unit	Quantity	Estimated Rate Rs.
		a) Reinforced cement concrete in roof slabs, beams, lintels, girders and other structure member laid in situ or pre cast laid in position complete in all respects. 3)c) type C (nominal mix 1:2:4)	1 Cft	745.14	268.05
7	C-6/9	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and casting including cost of binding wire and labour charged for binding of steel reinforcement (also removal of rust from bars).	100 Kg	2286.24	15294.60
8	C-11/9	Cement plaster (1:4) upto 20' height 1/2" thick	100 Sft	3060.00	2118.70
9	C-11/18a	Cement pointing struck joints on walls (Ratio 1:2).	100 Sft	3514.50	2311.05
10	C-3/15	Filling water and remaining earth under floors.	1000 Cft	2730.00	3685.45
11	C-3/17	Transportation of earth all types when the total distance including the lead covered in the item of work in more than 1000 ft. (5 miles)	1000 Cft	2730.00	5372.88
12	C-7/30	Supplying and filling sand under floor of plugging in wells.	100 Cft	420.00	2223.15
13	C-10/15	P/L topping of cement concrete 1:2:4 including surface finishing and dividing in pannels 2" thick.	100 Sft	420.00	5329.70
14	C-6/5	Cement concrete plain including placing compacting finishing and curing complete including screening and washing of stone aggregate (1:2:4)	100 Cft	38.55	22080.15
15	C-9/5	Single layer of tiles 9x4 1/2" x 1 1/2" laid over 4" earth and 1" mud plaster without poohoos grouted with cement sand 1:3 on top of RC roof slab provided with 34 Lbs bitumen coating sand blinded.	100 Sft	1359.75	7268.25
16	C-9/16	Bottom khurras of brick mansoary in cement mortar 1:3 (2x4 1/2') over 3" cement concrete (1:4:8)	1 Each	3.00	958.65
17	C-9/15	Khura on roof 2x2x6	1 Each	3.00	550.10
18	C-9/20	Cost iron rain water down pipe fixed in position excluding head and shoes but including painting and clamps etc. 4" dia 17 Rft.	1 Rft	51.00	231.70
19	C-11/25	White washing new surface.	100 Sft	7443.00	405.50
20	C-25/30	Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center.	1 Sft	105.00	1043.50
21	C-25/41	P/F steel windows with openable glazed pannels, using beam sections for frame 1 1/2"x1x5/8" 1/8", Z-Section for leaves 3/4"x1"x3/4x1/8", T-Section sashes 1"x1"x1/8" glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast duly painted complete.	1 Sft	96.00	456.25
22	C-13/5	Painting and doors and window (3 coat)	100 Sft	380.25	1304.45
23	C-25/9	P/F chequered plate 1/8" 1x8x1.14 small iron work	100 Kg	65.04	22880.35
24	N.S	Providing and Fixing M.S girder 8"x4"x1/4" size.	1 Rft	58.50	288.00
25	C-24/3	Electrification: (iii) Supplying and erection of PVC pipe for wiring recessed in wall including inspection boxes, pull boxes hooks cutting jhairies and repairing surface etc. complete in all specials. 25mm	1 Meter	45.00	183.60

S. No.	Ref: MRS	Description	Unit	Quantity	Estimated Rate Rs.	
26	C-24/10	Supplying and erection of single core PVC insulated copper conductor cables in pre-laid PVC pipe M.S conduit G.I pipe/wooden strip batten/wooden casing and capping G.I Wire/Trenches (Rate for cables only). A)250/440 volt PVC insulated.	1 Meter	144.00	41.80	
			3/0.029	1 Meter	30.00	55.85
			7/0.029	1 Meter	30.00	253.70
			7/0.064	1 Meter	18.00	568.75
			19/0.064			
27	C-24/17	Supplying and erection of sahl wood board 4.5 cm (13/4").	1 Each	3.00	113.05	
			1 Each	3.00	159.00	
28	C-24/18	Supplying and erection of iron/aluminum clad 500 volt main switch with kitkat fuses on angle iron board with 3mm" thick M.S sheet covering including binding to earth with necessary flexible pipe and thimbles etc. double pole.	1 Each	12.00	1744.30	
			15-20/A	1 Each	18.00	42.40
29	C-24/30	Supplying and erection of ceiling rose 5 amp.	1 Each	42.00	39.05	
30	C-24/31	Supplying and erection of switches 5 amp				
31	C-24/68	Earthing of the iron clad aluminium switches etc. with G.I wire No. 8 SWG in G.I pipe 15mm (1/2") dia recessed on surface of wall and floor complete with 1.5 meter long G.I pipe 50mm (2") dia with reducing socket 4 to 5 meter below ground level and 2 meter away from building plinth.	1 Each	6.00	5814.65	
32	C-24/27,ii	Supplying and fixing of button holder	1 Each	3.00	65.35	
33	N.S	S/Erection of exhaust fan complete in all respect (climax) 18" size.	1 Each	3.00	1920.00	
34	N.S	S/Erection of exhaust fan complete in all respect (climax) 54" size.	1 Each	3.00	3840.00	
35	N.S	Supplying and erection of energy saver 24W including connection from ceiling rose etc. complete in all respects.	1 Each	12.00	360.00	
36	C-24/37	Supplying and erection of 3 pin 5 amp wall socket combind.	1 Each	3.00	153.55	
37	C-24/36	Supplying & erection of switch 10-15 amp combind.	1 Each	3.00	102.40	
Sub Head # 3 : Yard Piping / Allied Works						
1	C-3/44	Excavation of trenches in all kinds of soil, except cutting rock, for water supply lines upto 5' depth from ground level, including trimming/dressing sides, leveling the bed of trenches to correct grade and cutting pits for joints etc. complete in all respect.	1000 Cft	2362.50	5472.70	
2	C-23/42	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches. complete in all respects:- 10" Dia	1 Rft	300.00	943.90	
3	C-23/28	P/F cast iron specials of B.S.S Class-B working pressure, (such as tee, bends, cross collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch, plug etc.) with comet joint and rubber ring complete. 8" dia to 12" dia.	1 Kg	300.00	100.90	

S. No.	Ref. MRS	Description	Unit	Quantity	Estimated Rate Rs.
4	N.S	Supplying, laying, cutting, jointing, testing and disinfecting M.S flanged pipe dully painted with epoxy paint with flanged joints coated with epoxy complete with nut bolt and rubber sheet.			
	i	8" dia and 1/4" thick	1 Rft	230.00	1711.45
	ii	10" dia and 1/4" thick	1 Rft	200.00	2055.48
	iii	12" dia and 1/4" thick	1 Rft	230.00	2417.31
5	NS	Supplying and Fixing M.S flanges dully painted with epoxy paint epoxy complete with nut bolt and rubber sheet.			
	i	8" dia and 1/4" thick	1 No	28.00	1711.00
	ii	10" dia and 1/4" thick	1 No	25.00	2055.00
	iii	12" dia and 1/4" thick	1 No	28.00	2417.00
6	NS	Supplying and Fixing rubber sheet.	1 Kg	250.00	160.00
7	NS	Supplying and Fixing nut bolt.	1 Kg	300.00	228.00
8	C-3/13	Rehanding of earthwork lead upto single throw of kassi, pharaoh or shovel.	1000 Cft	2126.25	1818.95
9	C-3/24a	Compaction of earthwork a) Mixing, moistening earth to optimum moisture in layers for compaction etc., complete in all respects.	1000 Cft	2126.25	884.55
10	C-3/24c	c) Ramming earthwork all types of soil.	1000 Cft	2126.25	1091.40
11	C-23/30	Providing and fixing sluice valve of B.S.S. quality and Labour rates include cost of jointing weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-			
		8" dia	1 Each	2.00	25548.30
		10" dia	1 Each	3.00	33160.10
		12" dia	1 Each	3.00	42744.60
12	C-23/41	Making connection for new watersupply lines with the The rate includes the component of running main, including excavation of trench and refilling, bailing out water from the trench complete, but excluding cost of pipe and specials, etc. Upto 10" Dia	1 Each	15.00	3701.95
13	C-3/21b	Construction of butter fly valve chamber 4'x4'x4' Excavation in foundation of buildings, bridges and other structures, i.c dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain and lift up to 5 ft. (in ordinary soil)	1000 Cft.	2156.00	7687.15
2	C-6/3b	Cement concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth Ratio 1:4:8	100 Cft.	196.00	13780.2
3	C-6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): PCC 1:2:4	100 Cft.	32.00	22080.15
4	C-7/7i	Pucca brickwork other than building upto 10 ft. height 1:3 Cement sand mortar	100 Cft.	548.24	23222.45
5	C-11/8b	Cement plaster 1:3 upto 20' height 1/2" thick Inner side	100 Sft	576.00	2203.95

S. No.	Ref: MRS	Description	Unit	Quantity	Estimated Rate Rs.
6	C-6/6c	Providing and laying reinforced cement concrete (i.c pre-stressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete. i) re-inforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respect. (3) (c) Type C (nominal mix 1: 2: 4)	Per Cft	106.24	374.75
7	C-6/9b	Fabrication of mild steel re-inforcement for cement concrete i.c cutting, bending, laying in position, making joints and fastening, including cost of biding wire and labor charges for bindings of steel reinforcement (also includes removal of rust from bar. Deformed bars 40 Grade	100 Kg	315.68	15294.60
8	C-21/15A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	Per No	8.00	8930.15
Sub Head # 4 : Pumping Machinery					
1	N-S	Supply & Fixing of 75 HP Horizontal Electric motor, upto 2960 RPM , Phase 400 Volt 50 Hz with Pump capacity 3 cusec, impeller stainless steel , Motor Control Unit with all accessories as per Given Rating & Specifications, Rates Included Panel Body (Size 800x2000x600MM) made of M.S sheet 14 SWG with Powder Coating Paint, Panel Door Lock, complete control and power wiring with PVC Isolated Copper Conductor Cable, Transportation, Handling, Fixing and commisioning at Site complete in all respect including Contractor Profit and GST.	1 No	1.00	2023150.00
2	N-S	Supply & Fixing of 50 HP Horizontal Electric motor, upto 2960 RPM , Phase 400 Volt 50 Hz with Pump capacity 2 cusec, impeller stainless steel, Motor Control Unit with all accessories as per Given Rating & Specifications, Rates Included Panel Body (Size 800x2000x600MM) made of M.S sheet 14 SWG with Powder Coating Paint, Panel Door Lock, complete control and power wiring with PVC Isolated Copper Conductor Cable, Transportation, Handling, Fixing and commisioning at Site complete in all respect including Contractor Profit and GST.	1 No	6.00	1491970.00
3	N-S	Supply & Fixing of 30 HP Horizontal Electric motor, upto 2960 RPM , Phase 400 Volt 50 Hz with Pump capacity 1 cusec, impeller stainless steel, Motor Control Unit with all accessories as per Given Rating & Specifications, Rates Included Panel Body (Size 800x2000x600MM) made of M.S sheet 14 SWG with Powder Coating Paint, Panel Door Lock, complete control and power wiring with PVC Isolated Copper Conductor Cable, Transportation, Handling, Fixing and commisioning at Site complete in all respect including Contractor Profit and GST.	1 No	2.00	1065505.00

The tenderer shall fill up the bid schedule indicating single percentage above or below the rates mentioned in the bid schedule.

Over all ABOVE
% BELOW

(Figure after point not over two (2) digits). In Figures:- _____

In Words:- _____

GENERAL TERMS & CONDITIONS.

- 1 All the work will be carried out strictly according to PHE, B & R specifications to the entire satisfaction of the engineer incharge.
- 2 Conditional tender will not be acceptable.
- 3 Other terms and conditions mentioned in the standard "Revised contract form for execution of works" approved by the Govt. will also be applicable.
- 4 The earnest money Rs. 6,00,000/- shall be attached with the bid in the shape of CDR duly issued by any schedule bank in favour of Director (P&D) WASA. Without earnest money the tender will not be entertained.
- 5 In case the total tendered amount from the bidder is less than 5% of the approved estimated (DNIT) amount, the lowest bidder will have to deposit an additional performance security (In addition to performance security) from scheduled Bank equal to difference of tendered amount and estimated cost. The acceptance will be issued on production of additional performance security, which will be refunded as per contract agreement.
- 6 Earnest money should not be less than the Rs. 6,00,000/- Atleast if less than Rs. 6,00,000/- observed than bid will be rejected.
- 7 All the terms and conditions as per contract documents and further amendments in the general conditions of the contract documents issued vide Govt. of the Punjab Finance department notification No. RO Tech FD-I-2/83(VI)(P) dated: 06.04.2005 and notification No. RO Tech FD,I-2/83(VI) dated: 29.03.2005, notification No. RO Tech FD,I-2/83(VI)(P) dated: 24.01.2006 & notification No. RO Tech FD,I-2/2012 dated: 04.09.2012 will be applicable.
- 8 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:
(a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
- 9 Additional Performance Security (if applicable) must be valid atleast 4 months after completion time as per work order, if less than this observed, Additional Performance Security will not be accepted and additional performance security in the shape of bank Guarantee.
- 10 Bid must be filled in Percentage below and above mentioned in figures as well as in words and tenders should be signed as per general directions given in the tender documents.

Contractor

Deputy Director (P&D)
Water and Sanitation Agency
FDA, Faisalabad.

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AUGMENTATION OF WATER TREATMENT PLANT MILLAT TOWN, FAISALABAD

TECHNICAL BID

Technical Evaluation will be carried out on the basis of following criteria Minimum Evaluation Points for Qualification are 60 Marks.

Sr. No 4 to Sr .No 5 are compulsory and noncompliance of any of these 5 points will straight away disqualify the bidder in technical bid.

Sr. No.	Documents / capabilities No. and compliance required	Marks
1	100% Compliance to the required specifications. Attach specific literature/ brochure of product with model number verifying all required specifications (General brochure having partial coverage of the specifications will not be acceptable). Attach drawing and performance curve (of the said model) where applicable.	10
2	Original letter (or attested copy as per Government standard) of authorization from Manufacturer at his proper letter pad with complete address, E. Mail phone numbers and fax number be attached (letter from dealer will not be acceptable This will apply to both local and imported equipment/machinery)	10
3	In case of patent design of foreign manufacturer used by local manufacturer, the verifiable authorization letter issued by the Foreign manufacturer in favor of local. Manufacturer, valid for the period of tendering to the execution of contract, be attached (Attested copy by a Government officer will be acceptable. Unattested copy will be considered as un authentic.)	5
4	Documentary proof to the effect that they are the original Manufacturer of the required goods. Original certificate of the manufacturer be attached	5
5	In case of imported equipment the bidder will provide Certificates issued by the International Organizations for conformity with international Standards for the particular model of the product offered by the bidder.	5
6	Mandatory warranty of product as per terms and conditions of the contract. Proof that the company is authorized to give warranty on behalf of the Principal to be provided. [Product Warranty of at least 10 years]	10
7	An affidavit on stamp paper of Rs. 500 or above/- submitting following clauses i) That maintenance of goods and replacement of defective parts under warranty shall be done without extra cost. ii) That the Firm is never blacklisted on any grounds whatsoever.	5
8	Up to date and authentic contact details of both private and public sector organizations to which it has supplied the same product (same model and same capacity) over the last five years. (Overall client list of the company is not required. Please attach only the client list of the same model offered by you.) • Bidder shall also provide supply order details over last one (01) year with complete and up to date details of its distribution sub-offices or / and representatives.	5
9	In case of non-local manufacturers, the list of Countries in which the specific product is available and is in use.	5
10	Company profile including engineering and managerial capability. [No. of Assignment (25%) Value of Largest Similar Assignment (10%) Role in Similar Assignment (30%) Time Spent in Similar Assignment (30%) Time with Firm (5%)	10

11	Similar Nature of Assignment in Last 5 Years Manufacturer.	10
12	Bank statement / Balance Sheet, Financial Soundness, National tax number and General Sale Tax number certificate (mention the time / year). Last Three Years Audit Report by recognized audit firm	10
13	List of qualified (attested 12 degrees or certification) technical persons along with qualification and (including details of CNIC), payroll details of staff. <ol style="list-style-type: none"> 1. Educational Qualification 2. No. of Similar Assignment 3. Largest Value of Work 4. Role in Similar Assignment 5. Time Spent with the firm (Last 12 months) List of main service, testing and calibration tools and supervisory staff working in the production and quality control departments in the manufacturing plants.	10

Contractor

**Deputy Director-I (P&D)
Water and Sanitation Agency
Faisalabad**