

OFFICE OF EXECUTIVE ENGINEER JSD DIVISION HANDWARA

M/S : Reyaz Ahmad Bhat
S/o : Abdul Khaliq Bhat
R/o : Salkoot Kupwara
Regd No : CE/UEED/AAV/CIVIL/39/2018-19
GST No. : 01AQCP1253G2ZR
No. - PHE/Hand/ 4260-63 Date: 27.2.2024



Adv. Cost : - Rs 105.00 Lacs

Allotted Cost:-Rs.-10600999.00/-

(One Crore Sixty Lac Nine Hundred Ninety Nine only)

Time of Completion 180 days

Sub : Construction and successful testing and commissioning of 0.10 M.G.D Rapid Sand Filtration Plant comprising of Clariflocculator, Flashmixer, Filter House, backwash tank washout chamber of required capacity along with Electrical/Mechanical components for WSS Augmentation Mugalpora under JJM.

Ref:- Your tender in response to this CE's office E-NIT No.20 OF 2023-24, Dated. 24-07-2023, S.No. 17 issued under CE's Office No.

2. District Development Commissioner Kupwara's authorization No. DDCK/PLG/JJM/5087-99 Dated. 18-09-2023.

3. Accord No.CE/PHE/DB/246 OF 08/2022 Dtd. 31-08-2022

4. Technical Sanction Order No.CE/PHE/DB/247 OF 08/2022 Dated. 31-08-2022

For and on behalf of Governor of Jammu & Kashmir UT State, contract for the above subjected work, is here by fixed with you on the negotiated / following rates, terms and conditions which are reproduced as under:

S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	759.76	100 sqm	577.55	4388
2	Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer- in-Charge. (All kinds of soil)				
	Total	422.85	Cum	188.75	79813
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.				
	Total	313.54	Cum	198.70	62300
4	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.				
	Total	60.335	Cum	1320.00	79642
5	Supply and filling of filter media from approved source - Gravel (Graded gravel - size ranging from 2.0mm to 40.00 mm) in filter beds. Including all carriages, complete job	2.70	Cum	7700.00	20790
6	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	4.50	Cum	7968.00	35856
7	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.				
	Total	11.40	Cum	787.40	8976
8	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with:				
8.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)				
	Total	14.60	Cum	6434.01	93937
8.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)				
	Total	8.649	Cum	5399.02	46696
8.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)				

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S.No.	Description of Work Items		Rs	Amount in Ru
	Total	11.687	Cum	4861.84
9	Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level			56818
9.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			
	Total	28.211	Cum	7800.76
10	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.			220064
10.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			
	Total	27.921	Cum	9408.14
11	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with:			262686
11.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			
	Total	46.253	Cum	9849.35
12	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. Note: - Cement in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is content considered payable or recoverable separately.			455564
12.1	All works upto plinth level			
	Total	14.457	Cum	7911.26
12.2	All works above plinth level upto floor V level			114376
	Total	53.073	Cum	9302.98
13	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	67.531	Cum	111.87
14	Centering and shuttering including strutting, propping etc. and removal of form for:			7555
14.1	Foundations, footings, bases of columns etc. for mass concrete.			
	Total	25.525	sqm	262.30
14.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.			6695
	Total	715.631	sqm	573.85
14.3	Suspended floors, roofs, landings, balconies and access platforms.			410665
	Total	169.191	sqm	635.60
14.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.			107538
	Total	186.586	sqm	502.85
14.5	Columns, pillars, piers, abutments, posts and struts.			93825

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
	Total	254.610	sqm	680.15	173173
14.6	Stairs (excluding landings) except spiral staircases.				
	Total	51.336	sqm	807.50	41454
14.70	Extra for shuttering in circular work (20% of respective centering and Shuttering items)		sqm	0.20	
	Foundations, footings, bases of columns etc. for mass concrete.	7.960	Sqm	52.46	418
	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	172.649	sqm	114.77	19815
	Suspended floors, roofs, landings, balconies and access platforms.	35.091	sqm	127.12	4461
	Lintels Beams	19.711	sqm	100.57	1982
14.80	Edges of slabs and breaks in floors and walls				
	Total	246.437	m	242.30	59712
15	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and de-centering at all levels, over a height of 3.5 m, for every additional height of 1 meter or part thereof (Plan area to be measured).				
15.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)				
	Total	142.568	sqm	267.60	38151
16	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)				
	Total Qty	438.52	Kg	57.90	25390
17	Steel reinforcement for R.C.C. work ready to use "cut and bend" rebars of approved make from factory/ workshop to construction site including placing in position and binding all complete upto plinth level.				
17.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.				
	Total	18778	Kg	87.18	1636972
18	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				
18.1	Cement mortar 1:4 (1 cement : 4 coarse sand)				
	Total	27.021	Cum	7476.38	202016
19	Extra for brick work with common burnt clay bricks/ cement concrete bricks in superstructure above plinth level upto floor five level				
	Total	29.399	Cum	1522.20	44751
20	4 mm thick glass pane (weighing not less than 10 kg/sqm)				
	Total	3.00	sqm	1768.05	5304
21	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
21.1	Using M.S. angles 40x40x6mm for diagonal braces.				
	Total	7.20	sqm	4352.95	31341
21.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.				
	Total	1400	Kg	146.63	205282
22	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube				
22.1	Filter house/ Back Wash Tank hand Rail (40mm dia bore)	710	Kg		
	Total	710	Kg	172.90	122759

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
23	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.				
23.1	Welded				
	Total	3986	Kg	102.14	407110
24	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength confirming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters				
24.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	5.00	sqm	3238.20	16191
25	Providing and fixing ball bearing for rolling shutters.	2.00	each	483.10	966
26	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete.				
26.1	50 mm thick with 20mm nominal size stone aggregate.				
	Total	43.78	sqm	505.00	22109
27	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS: 15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4 (1 cement : 4 coarse sand) including skirting in vertical & pointing the joints with white cement and matching pigment etc., complete				
27.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	95.00	sqm	1210.66	115013
28	Flooring with marble stone of specified thickness as per sample of marble approved by Engineer-in- charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement:4 coarse sand) laid and jointed with grey cement slurry including skirting in vertical, rubbing, polishing and curing complete with:				
28.1	Makrana White Second quality (16mm)	80.15	sqm	6175.39	494957
29	12mm Cement plaster finished with a floating coat of neat cement of mix:				
29.1	1 : 4 (1 cement : 4 fine sand)				
	Total	1076.445	sqm	325.45	350328.97
30	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)				
	Total	262.81	sqm	91.80	24126
31	Applying priming coat:				
31.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)				
	Filter House Doors/ Windows				
31.2	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	45.42	Sqm	59.50	2702
	Filter House				
31.3	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	170	sqm	52.75	8968
	Filter House				
		45.42	sqm	179.80	8167

S.No.	Description
32	Finishing with Exposed locations preparation specifications preparation
32.1	On steel
32.2	On

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
32	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete				
32.1	On steel work				
	Total	225.00	sqm	188.80	42480
32.2	On concrete work				
	Total	532.81	sqm	183.43	97733
33	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer.				
	Filter House	383.33	sqm	149.05	57135
34	Providing and fixing aluminum handles ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc.complete				
34.1	125 mm	20	each	66.35	1327
34.2	100 mm	20	each	52.30	1046
35	Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
35.1	150x10 mm	12	each	80.35	964
35.2	100x10 mm	40	each	57.35	2294
36	Providing corrugated G. S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto any pitch in horizontal/vertical or curved surface)excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
36.1	0.50 mm thick with zinc coating not less than 275 gram/m2				
	Filter House	110.00	sqm	830.25	91328
37	Providing ridges or hips of width 60cm overall width plain G.S. sheets fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete				
37.1		30.00	m	626.70	18801
38	Providing and fixing plained eaves boarding. 2nd class kail wood				
38.1	300x40 mm (nominal size)	40	m	998.85	39954
39	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	80.19	m	600.00	48114
40	Providing and fixing D.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				
40.1	80 mm dia. Class I	3	Each	10815.00	32445
40.2	150 mm dia. Class I	2	Each	20243.00	40486
40.3	200 mm dia. Class I	3	Each	31698.00	95094
41	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge				
	Total	61.86	Sqm	800.00	49488

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
42	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia. and size including necessary filling up of gaps at junctions i.e. at top, bottom and sides with required EPDM rubber / neoprene gasket felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge (glazing, panelling and dash fasteners to be paid for separately.) For fixed portion				
42.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)				
	Total	565.00	Kg	459.31	259507
43	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately.)				
43.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)				
	Total	565.00	Kg	552.64	312242
44	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminum snap beading shall be paid in basic item.)				
44.1	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)				
	Total	57.23	Sqm	1395.96	79884
45	Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm				
	50 mm dia	75.00	m	530.00	39750
	100 mm dia	15.00	m	1990.00	29850
46	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: Avg 45Kms				
46.1	5 Km	128.87	Cum	206.28	26582
46.2	Beyond 5 km upto 10 km per km	128.87	Cum	14.92	9611
46.3	Beyond 10 km upto 20 km per km	128.87	Cum	12.14	15650
46.4	Beyond 20 km per additional km	128.87	Cum	9.94	32011
47	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : Avg 45 Kms				
47.1	5 km	154.89	Cum	206.28	31951
47.2	Beyond 5 km upto 10 km per km	154.89	Cum	14.92	11552
47.3	Beyond 10 km upto 20 km per km	154.89	Cum	12.14	18810
47.4	Beyond 20 km per additional km	154.89	Cum	9.94	38476
48	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above : Avg 45 Kms				
48.1	5 Km	31.44	Cum	224.20	7049

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
48.2	Beyond 5 km upto 10 km per km	31.44	Cum	16.22	2549
48.3	Beyond 10 km upto 20 km per km	31.44	Cum	13.20	4151
48.4	Beyond 20 km per additional km	31.44	Cum	10.76	8461
49	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets: Avg 45 Kms.				
49.1	5 Km	24.16	Tonne	183.36	4431
49.2	Beyond 5 km upto 10 km per km	24.16	Tonne	13.26	1602
49.3	Beyond 10 km upto 20 km per km	24.16	Tonne	10.80	2609
49.4	Beyond 20 km per additional km	24.16	Tonne	8.83	5335
50	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement: Avg 45 Kms.				
50.1	5 Km	85.13	Tonne	183.36	15610
50.2	Beyond 5 km upto 10 km per km	85.13	Tonne	13.26	5644
50.3	Beyond 10 km upto 20 km per km	85.13	Tonne	10.80	9193
50.4	Beyond 20 km per additional km	85.13	Tonne	8.83	18798
51	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: Avg 60 Kms.	12835.00	No	2.11	27082
52	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand) 500 mtr				
52.1	1st 50 meters	128.87	Cum	209.90	27049
52.2	Beyond 50 meters (450 mts)	128.87	Cum	45.70	53004
53	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm (500 meters)				
53.1	1st 50 meters	154.89	Cum	209.90	32512
53.2	Beyond 50 meters (450 mts)	154.89	Cum	45.70	63708
54	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above (500 meters)				
54.1	1st 50 meters	31.44	Cum	226.92	7135
54.2	Beyond 50 meters (450 mts)	31.44	Cum	49.40	13979
55	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets 500 meters				
55.1	1st 50 meters	24.16	Ton	261.10	6309
55.2	Beyond 50 meters (450 mts)	24.16	Ton	38.32	8334
56	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement (500 meters)				
56.1	1st 50 meters	85.13	Ton	121.57	10350
56.2	Beyond 50 meters (450 mts)	85.13	Ton	17.84	13669
57	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks (500 meters).				
57.1	1st 50 meters	12835.00	Per 1000	391.82	5029
57.2	Beyond 50 meters (450 mts)	12835.00	Per 1000	85.31	9854
58.0	Supplying and fixing of 25mm dia. medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	100.00	m	103.50	10350.00
59.0	Providing and carrying out wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl. cost of conduit)	25.00	Point	824.55	20613.75

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
60.0	Providing and carrying out wiring for heating points with 4.0 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, modular combined S&S 16Amp along with modular plate, suitable GI box and earthing the point with 2 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	5.00	Point	1300.00	6500.00
61.0	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	10.00	No.	569.25	5692.50
62.0	Supplying and fixing double pole 63 Amp 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in MCB DB complete with connections, testing and commissioning etc. as required.	1.00	No.	442.75	442.75
63.0	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	5.00	No.	74.75	373.75
64.0	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	1.00	No.	2125.00	2125.00
65.0	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	1.00	No.	1550.00	1550.00
66.0	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	10.00	No.	193.20	1932.00
67.0	Supplying and fixing 12-way double door, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	1.00	No.	2360.95	2360.95
68.0	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	3.00	No.	1500.00	4500.00
69.0	Providing and laying of armoured cable 95mm, 3.5 core for main service line of reputed make in P.V.C pipes of required dia to accommodate the service line including bends etc., from main transformer to the main panel board including copper thimbles, earth work excavation and filling for laying of cable complete.	100.00	m	325.00	32500.00
70.0	Providing and fitting at site 3-phase, Voltage stabilizer of following ratings, oil emersed, of standard make and quality including accessories as required. The job includes making of connections with main panel board and service line. To be paid in fitted and finished form after testing on full load capacity, complete job.				
70.1	25 KVA	1.00	Job	42000.00	42000.00
71.0	Providing and fitting of panel board with angle iron supports and A.C. sheets for fixing of MCCB, change over switch, bus bars etc. The job includes nuts bolts and embedding of supports in cement concrete blocks complete job.	1.00	Job	4250.00	4250.00
71.1	Providing and fitting of:				
71.2	200 Amp. 4 pole Change over of reputed make				
71.3	32 Amp-Copper bus bar	1.00	No	11200.00	11200.00
71.4	16 Amp MCCB	6.00	No	2850.00	17100.00
71.5	3-phase indicator points	15.00	No	1250.00	18750.00
71.6	3-phase voltmeter and Amperemeters	5.00	No	445.00	2225.00
	Mechanical Items	5.00	No	1190.00	5950.00

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S.No.	Description of Work Items	Qty	Unit	Alloted Rate in Rs	Amount in Rs
72.0	Providing, fitting, testing and commissioning of following items for Flash Mixer:				
72.1	Mixing device with reduction gear system				
72.2	3-phase Electrically driven motor:	1.00	Set	2500.00	2500.00
72.3	1.0 HP				
72.4	Foundation / Base plate	1.00	No	4800.00	4800.00
72.5	Starter along with necessary wiring upto motor	1.00	Set	4548.00	4548.00
73.0	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit-	1.00	No	1680.00	1680.00
73.1	Mixing device with reduction gear system.				
73.2	3-phase electrically driven motors:	1.00	Set	2500.00	2500.00
73.3	1.0 HP				
73.4	Foundation / Base plate	1.00	No	4800.00	4800.00
73.5	Starter along with necessary wiring upto motor	1.00	Set	4548.00	4548.00
73.6	P.V.C outlet, overflow system with fittings upto point of application	1.00	No	1680.00	1680.00
73.7	50 mm dia Service water piping.	3.00	Lot	530.00	1590.00
73.8	Manually operated hoist	1.00	Lot	530.00	1590.00
74.0	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				
74.1	Mixing device with reduction gear system.	1.00	Set	2500.00	2500.00
74.2	3-phase electrically driven motors:				
74.3	1.0 HP	1.00	No	4800.00	4800.00
74.4	Foundation / Base plate.	1.00	Set	4548.00	4548.00
74.5	P.V.C outlet, overflow system with fittings upto point of application.	3.00	Lot	530.00	1590.00
74.6	Starter along with necessary wiring upto motor	1.00	No	1680.00	1680.00
74.7	50mm dia service water piping	2.00	Lot	530.00	1060.00
75.0	Providing and fixing D.I. sluice valves Class I (with cap) complete with rubber insertions, bolts, nuts, extension rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				
75.1	150 mm dia.	9.00	Each	26720.00	240480.00
75.2	200 mm dia.	1.00	Each	42300.00	42300.00
76.0	Providing fitting, testing and commissioning of air blower standard make ISI mark capable of providing compression @ 0.35 kgs/sqcm coupled with suitable 3 phase induction electric motor complete with auxiliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve, non- return valve, Starter etc				
76.1	4.2 KLPM Air blower with 5.0 HP Motor.	1.00	No	87500.00	87500.00
77.0	Up Wash Arrangements				
77.1	Supply installation and successful testing and commissioning of mono block pumping unit standard make ISI mark coupled with 2 phase induction motor with appropriate pumping capacity so as to fill the tank within the max. of 2 hours with nominal dynamic head of 25m along with all accessories like foot valves, non- return valves, foundation block, base plate, suction pipe, suitable rising main with nominal dia 50mm (class-B) with heavy duty valves and other accessories required for the job.				
77.2	Pumping unit with 5.0 HP Motor.	1.00	Set	20268.00	20268.00
77.3	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				

Checked By
Head Draftsman

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Mugalspora RSTP Page No. 9

S.No.	Description of Work Items	Qty	Unit	Allotted Rate in Rs	Amount
78.0	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete for the Installation Testing and Commissioning of Half Bridge with Central Drive mechanism, scrapper and chumers for required dia Clarifer.				
78.1	Welded	1350.00	Kg	102.14	137882.25
79.0	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete				
79.1	On steel work	50.00	sqm	188.80	
79.2	Central axle turn table with double bearing and guide for incoming cable.	1.00	Set	4800.00	9440.00
79.3	Peripheral drive assembly with following motors, gear box, rollers, drive trolly (60:1 reduction gear box).				4800.00
79.4	Pumping unit with 5.0 HP Motor.				
79.5	Starter along with necessary wiring upto motor	1.00	Set	24268.00	
79.6	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	1.00	No	1680.00	24268.00
79.7	1.0 HP		Set		1680.00
79.8	Incoming cable, telescopic electric pole with rotary current collector	1.00	No	7300.00	
		1.00	Set	6500.00	7300.00
80.0	Providing/ Fixing, installation, successful commissioning of double flanged MS pipes/specials to be fabricated from MS tube heavy quality nominal thickness 6mm, conforming to relevant Indian Standard IS-1239 and/or IS 1161 read with up to date amendments. The pipe material should be of standard quality and must withstand all the anticipated design pressure ratings. The work should be leakproof and should be painted with anti corrosive red oxide primer. Complete Job.	2537.00	Kg	147.00	372939.00
Total Amount					9815740
Appereciation on All Items @ 8%					785259
Total Allotted Cost					10600999

Head Draftsman
only Rates &
Qty. checked.

Copy to the:-

Technical Officer

Executive Engineer
PHE Jal Shakti Division Handwara

1. Distt. Superintending Engineer Hydraulic circle Kupwara H/Q Handwara for information.
2. Assistant Executive Engineer PHE Sub-Division Handwara for information
3. M.File