

**OFFICE OF THE EXECUTIVE ENGINEER (JSD) PHE DIVISION BARAMULLA**

Email: kmrphebla@gmail.com (FAX) 01952234575 (Tel) 01952234244

**Allotment Order No.** 54 of 2023**Dated:** 07-09-2023

Name of the agency/ contractor	<b>SSA Enterprises</b> Contact Name: M Sharjeel Naqshbandi
Address	<b>Umar Abad Hokarsar Zainakoote Gulmarg Road</b>
Registration No.	<b>UDYAM-JK-21-0007158</b>
Contact/ Email	<a href="mailto:ssaenterprises@hotmail.com">ssaenterprises@hotmail.com</a> 9596256667
Name of work	Construction and successful testing and commissioning of 0.10 MGD Rapid Sand Filtration Plant (cost incl. PST, Flash Mixer, Clarifloculator, Filter House, Separate Back Wash Tank and Wash Water Disposable Chamber) for WSS Zeethan Waripora under JJM
References	<b>This office ENIT 33 of 08/2023 dated 09.08.2023 (S.No 04)</b>
Accord of administrative approval No. & date	<b>CE/PHE/DB/JJM/256 of 09/2022 Dated: 05-09-2022</b>
Advertised Cost	<b>Rs.127.85 lacs</b>
Allotted Cost	<b>Rs. 1,15,65,538/-</b> (Rupees One Crore Fifteen Lacs Sixty Five Thousand Five Hundred Thirty Eight only)
Time of completion	<b>120 days</b>

**For and on behalf of Lt. Governor of Jammu and Kashmir Union Territory, the above noted work is hereby allotted to you on quoted rates given in the Annexure "A" to this allotment, on the terms and conditions given here under :**


**Conditions:**

01. Time of completion is essence of the contract.
02. The work shall have to be started by you at site immediately & ensure its successful completion within a period of **120** days from the date of issuance of allotment from this office strictly in accordance with the approved proposals failing which the work shall have to be got executed through any other means at your risk and cost, besides CDR deposited by you as security against this contract shall be forfeited.
03. An agreement shall have to be drawn up by you with the department within a period of 07 days from the date of issuance of allotment failure to execute such a formal deed shall not however prevent the contract from being enforced upon you.
04. The allotted works shall be subject to Check by the third party monitoring agency appointed by the Department.
05. Payment shall be released as per actual / measured work done not less than 20% of the allotted cost on a monthly basis.
06. Performance security equivalent to 03% of the value of the contract shall have to be deposited by you in shape of CDR/FDR/Bank Guarantee within one week of issuance of allotment order & Valid for a period of 03 months beyond the expiry of warranty period of the contract.
07. The firm shall be bound for satisfactory performance of works for 18 months after the successful commissioning of the works. If during warranty period any malfunctioning / defects arise, you shall have to rectify the same within a period of 10 days of receipt of intimation. In case of any failure on your part, the department may get the defects removed / repaired by any other means and cost thereof shall be recovered from you and shall be recommended for further punitive action as governed under the relevant clause of the contract including black listing.
08. After testing and commissioning of works you shall have to make a trial run of the works for a period of 03 months during which you have to operate and maintain the executed works to the full satisfaction of the department.

- 12
09. The defective liability period shall be for a period of 12 months and shall commence after the successful completion of trial run.
  10. Pre & post Geo-tagged photographic evidence be taken during the execution of the work and shall have to be produced at the time of submission of the bill.
  11. Date of start of the work within 07 days from the date of issue of this letter. However date of start for laying and fitting of pipes will start within 02 days of issuance of pipe material by the department.
  12. All other terms and conditions shall be applicable as laid down in Standard bid Document & PWD form No. 25/33.
  13. Any rules/ terms and conditions if no stipulated in the bidding document, shall be strictly dealt in accordance with the relevant rules/ guidelines stipulated in General Financial Rules (GFR-2017 and manual for procurement of works 2019 G.O.I).

**(Encl: Annexure "A")**

No. 7444-57  
Dt. 22-09-2023

  
**Executive Engineer**  
**Jal Shakti Department**  
**PHE Division Baramulla**

**Copy to the :-**

- 1/- Mission Director, Mission Directorate Jal Jeevan Mission J&K Civil Secretariat Srianagar/ Jammu for information.
- 2/- Chief Engineer Kashmir PHE Department Srinagar for favour of information.
- 3/- District Development Commissioner Baramulla (Chairperson DJJM) for favour information.
- 4/- Distt. Superintending Engineer Hydraulic Circle Bla/Bpr HQ Sopore (Member Secretary DJJM) for information.
- 5/- Additional District Development Commissioner Baramulla (Member DJJM) for information.
- 6/- Assistant Commissioner Development Baramulla (Member DJJM) for information.
- 7/- Divisional Forest Officer Baramulla (Member DJJM) for information.
- 8/- Chief Planning Officer Baramulla (Member DJJM) for information.
- 9/- Chief Medical Officer Baramulla (Member DJJM) for information.
- 10/- District Social Welfare Officer Baramulla/ District Tribal Welfare Officer Baramulla (Member DJJM) for information.
- 11/- District Information Officer Baramulla (Member DJJM) for information.
- 12/- Asstt. Ex. Engineer PHE Sub Division Watergam, for information.
- 13/- File Concerned.

Comp. by: Shahid Farooq (Correspondence)

**Construction of 0.10 MGD Rapid Sand Filtration Plant at (cost incl. PST, Flash Mixer, Flocculator, Filter House, Separate Back Wash Tank and Wash Water Disposable Chamber) for WSS Zeethan Waripora\_JJM**

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm	759.76	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)				
	<b>Total</b>	<b>Cum</b>	<b>440.19</b>	<b>188.75</b>	<b>83086</b>
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.				
	<b>Total</b>	<b>Cum</b>	<b>294.86</b>	<b>198.70</b>	<b>58589</b>
4	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.				
	<b>Total</b>	<b>Cum</b>	<b>73.647</b>	<b>1320.00</b>	<b>97214</b>
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	Cum	2.70	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	Cum	4.50	7968.00	35856
7	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.				
	<b>Total</b>	<b>Cum</b>	<b>11.40</b>	<b>787.40</b>	<b>8976</b>
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)				
	<b>Total</b>	<b>Cum</b>	<b>20.72</b>	<b>6434.01</b>	<b>133313</b>
8.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)				
	<b>Total</b>	<b>Cum</b>	<b>8.649</b>	<b>5399.02</b>	<b>46696</b>
8.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)				
	<b>Total</b>	<b>Cum</b>	<b>16.679</b>	<b>4861.84</b>	<b>81088</b>

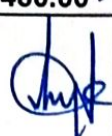
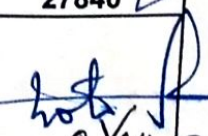
	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
9	Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level				
9.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
	Total	Cum	28.211	7800.76	220064
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.				
10.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
	Total	Cum	27.921	9408.14	262686
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:				
11.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
	Total	Cum	51.086	9849.35	503161
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.				
12.1	All works upto plinth level				
	Total	Cum	32.171	7911.26	254512
12.2	All works above plinth level upto floor V level				
	Total	Cum	86.992	9302.98	809283

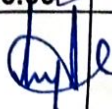
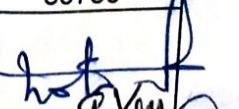
	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
13	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	119.163	111.87	13331
14	Centering and shuttering including strutting, propping etc. and removal of form for:				
14.1	Foundations, footings, bases of columns etc. for mass concrete.				
	Total	sqm	41.420	262.30	10864
14.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.				
	Total	sqm	966.007	573.85	554343
14.3	Suspended floors, roofs, landings, balconies and access platforms.				
	Total	sqm	206.729	635.60	131397
14.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.				
	Total	sqm	186.586	502.85	93825
14.5	Columns, pillars, piers, abutments, posts and struts.				
	Total	sqm	254.610	680.15	173173
14.6	Stairs (excluding landings) except spiral staircases.				
	Total	sqm	51.336	807.50	41454
14.70	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm			
	Foundations, footings, bases of columns etc. for mass concrete.	Sqm	7.960	52.46	418
	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	172.649	114.77	19815
	Suspended floors, roofs, landings, balconies and access platforms.	sqm	35.091	127.12	4461
	Lintels Beams	sqm	19.711	100.57	1982
14.80	Edges of slabs and breaks in floors and walls				
	Total	m	293.637	242.30	71148
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	sqm	142.568	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)				

	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
	Total Qty	Kg	774.99	57.90	44872
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	Kg ✓	24478 ✓	87.18 ✓	2133870
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	Cum ✓	27.021 ✓	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	Cum ✓	29.399 ✓	1522.20 ✓	44751
20	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
20.1	Second kail wood (30 mm thick shutter)				
	Total	sqm ✓	39.668 ✓	2489.75 ✓	98762
21	Providing and fixing fly proof wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions all complete. With Galvanized M.S. Wire gauge with wire of dia 0.63 mm,				
21.1	With 2nd class teak wood beading 62x19 mm	sqm ✓	39.668 ✓	1274.05 ✓	50538
21.2	4 mm thick glass pane (weighing not less than 10 kg/sqm)				
	Total	sqm ✓	3.00 ✓	1768.05 ✓	5304
22	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.				
22.1	Using M.S. angles 40x40x6mm for diagonal braces.				
	Total	sqm ✓	7.20 ✓	4352.95 ✓	31341
22.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.				
	Total	Kg ✓	1400 ✓	146.63 ✓	205282

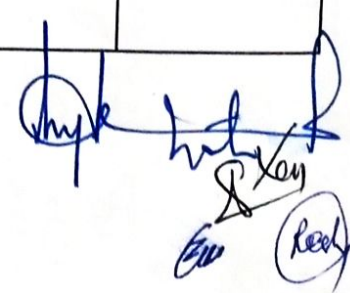
	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
23	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube				
	<b>Total</b>	<b>Kg ✓</b>	<b>410 ✓</b>	<b>172.90 ✓</b>	<b>70889 ✓</b>
24	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.				
24.1	<b>Welded</b>				
	<b>Total</b>	<b>Kg ✓</b>	<b>3986 ✓</b>	<b>102.14 ✓</b>	<b>407110 ✓</b>
25	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				
25.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm ✓	5.00 ✓	3238.20	16191
25.2	Providing and fixing ball bearing for rolling shutters.	each ✓	2.00 ✓	483.10	966 ✓
26	Cement concrete flooring 1:2:4 (1cement: 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.				
	<b>Total</b>	<b>sqm ✓</b>	<b>43.78 ✓</b>	<b>505.00 ✓</b>	<b>22109 ✓</b>
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)	sqm ✓	85.00 ✓	1210.66	102906 ✓

Sl. No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
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)	sqm ✓	80.15 ✓	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	sqm ✓	1366.905 ✓	325.45 ✓	444859.18 ✓
30	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)				
	Total	sqm ✓	530.87 ✓	91.80 ✓	48733 ✓
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)	sqm ✓	45.42 ✓	59.50 ✓	2702 ✓
32	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm ✓	170 ✓	52.75 ✓	8968 ✓
33	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm ✓	45.42 ✓	179.80 ✓	8167 ✓
34	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				
34.1	On steel work				
	Total	sqm ✓	225.00 ✓	188.80 ✓	42480 ✓
34.2	On concrete work				
	Total	sqm ✓	800.87 ✓	183.43 ✓	146903 ✓
35	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.	sqm ✓	383.33 ✓	149.05 ✓	57135 ✓
36	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				
36.1	125 mm	each ✓	20 ✓	66.35 ✓	1327 ✓
36.2	100 mm	each ✓	20 ✓	52.30 ✓	1046 ✓

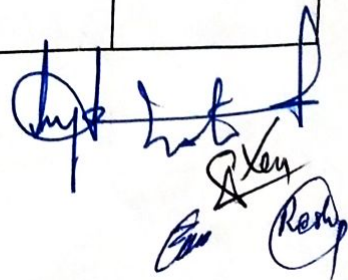
No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
37	Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
37.1	150x10 mm	each ✓	12 ✓	80.35 ✓	964 ✓
37.2	100x10 mm	each ✓	40 ✓	57.35 ✓	2294 ✓
38	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.				
38.1	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm ✓	97.16 ✓	830.25 ✓	80667 ✓
39	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				
39.1	0.50 mm thick with zinc coating not less than 275 gram/m2	m ✓	30.00 ✓	626.70 ✓	18801 ✓
40	Providing and fixing plained eaves boarding. 2nd class kail wood				
40.1	300x40 mm (nominal size)	m ✓	40 ✓	998.85 ✓	39954 ✓
41	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m ✓	80.19 ✓	600.00 ✓	48114 ✓
42	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.				
42.1	80 mm dia. Class 1	Each ✓	4 ✓	10815.00 ✓	43260 ✓
42.2	150 mm dia. Class 1	Each ✓	6 ✓	20243.00 ✓	121458 ✓
42.3	200 mm dia. Class 1	Each ✓	4 ✓	31698.00 ✓	126792 ✓
43	Providing and fixing of MS flanged joints (12mm thick) to double flanged GI/DI pipes including cutting of pipes, welding charges, cutting of flanges, rubber gasket, bolts, nuts including testing of joint and all sorts of carriages. Complete Job.				
43.1	150 mm dia. pipe	Joint ✓	30 ✓	2150.00 ✓	64500 ✓
43.2	200 mm dia. pipe	Joint ✓	8 ✓	3480.00 ✓	27840 ✓
44	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge				

o.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
Total		Sqm ✓	61.86 ✓	800.00 ✓	49488 ✓
5	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				
5.1	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.)				
5.2	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)				
Total		Kg ✓	454.3 ✓	552.64 ✓	251064 ✓
46	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.)				
46.1	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)				
Total		Sqm ✓	54.67 ✓	1395.96 ✓	76313 ✓
47	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		m ✓	75.00 ✓	530.00 ✓	39750 ✓
48	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: Avg 45Kms				

	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
48.2	5 Km	Cum ✓	164.79 ✓	206.28 ✓	33992 ✓
48.3	Beyond 5 km upto 10 km per km	Cum ✓	164.79 ✓	14.92 ✓	12289 ✓
48.3	Beyond 10 km upto 20 km per km	Cum ✓	164.79 ✓	12.14 ✓	20012 ✓
48.4	Beyond 20 km per additional km	Cum ✓	164.79 ✓	9.94 ✓	40933 ✓
49	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : Avg 45 Kms				
49.1	5 km	Cum ✓	205.71 ✓	206.28 ✓	42433 ✓
49.2	Beyond 5 km upto 10 km per km	Cum ✓	213.79 ✓	14.92 ✓	15944 ✓
49.3	Beyond 10 km upto 20 km per km	Cum ✓	213.79 ✓	12.14 ✓	25963 ✓
49.4	Beyond 20 km per additional km	Cum ✓	213.79 ✓	9.94 ✓	53105 ✓
50	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above : Avg 45 Kms				
50.1	5 Km	Cum ✓	41.44 ✓	224.20 ✓	9292 ✓
50.2	Beyond 5 km upto 10 km per km	Cum ✓	44.29 ✓	16.22 ✓	3591 ✓
50.3	Beyond 10 km upto 20 km per km	Cum ✓	44.29 ✓	13.20 ✓	5847 ✓
50.4	Beyond 20 km per additional km	Cum ✓	44.29 ✓	10.76 ✓	11918 ✓
51	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets: Avg 45 Kms.				
51.1	5 Km	Tonne ✓	29.86 ✓	183.36 ✓	5476 ✓
51.2	Beyond 5 km upto 10 km per km	Tonne ✓	29.86 ✓	13.26 ✓	1980 ✓
51.3	Beyond 10 km upto 20 km per km	Tonne ✓	29.86 ✓	10.80 ✓	3225 ✓
51.4	Beyond 20 km per additional km	Tonne ✓	29.86 ✓	8.83 ✓	6594 ✓
52	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement: Avg 45 Kms.				
52.1	5 Km	Tonne ✓	108.82 ✓	183.36 ✓	19952 ✓
52.2	Beyond 5 km upto 10 km per km	Tonne ✓	108.82 ✓	13.26 ✓	7214 ✓
52.3	Beyond 10 km upto 20 km per km	Tonne ✓	108.82 ✓	10.80 ✓	11751 ✓
52.4	Beyond 20 km per additional km	Tonne ✓	108.82 ✓	8.83 ✓	24027 ✓
53	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: Avg 60 Kms.	No ✓	12835.00 ✓	2.11 ✓	27082 ✓
Electrical Items					
54	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.	m ✓	100.00 ✓	103.50 ✓	10350 ✓

  
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	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
55	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)	✓ Point	✓ 25.00	✓ 824.55	✓ 20614
56	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)	✓ Point	✓ 5.00	✓ 1300.00	✓ 6500
57	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.	✓ No.	✓ 10.00	✓ 569.25	✓ 5693
58	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.	✓ No.	✓ 1.00	✓ 442.75	✓ 443
59	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	✓ No.	✓ 5.00	✓ 74.75	✓ 374
60	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	✓ No.	✓ 1.00	✓ 2125.00	✓ 2125
61	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	✓ No.	✓ 1.00	✓ 1550.00	✓ 1550
62	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.	✓ No.	✓ 10.00	✓ 193.20	✓ 1932

  
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	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
63	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)	No. ✓	1.00 ✓	2360.95 ✓	2361 ✓
64	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	No. ✓	3.00 ✓	1500.00 ✓	4500 ✓
65	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.	m ✓	100.00 ✓	325.00 ✓	32500 ✓
66	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.				
66.1	25 KVA	Job ✓	1.00 ✓	42000.00 ✓	42000 ✓
67	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.	Job ✓	1.00 ✓	4250.00 ✓	4250 ✓
68	Providing and fitting of:				
68.1	200 Amp. 4 pole Change over of reputed make	No ✓	1.00 ✓	11200.00 ✓	11200 ✓
68.2	32 Amp-Copper bus bar	No ✓	6.00 ✓	2850.00 ✓	17100 ✓
68.3	16 Amp MCCB	No ✓	15.00 ✓	1250.00 ✓	18750 ✓
68.4	3-phase indicator points	No ✓	5.00 ✓	445.00 ✓	2225 ✓
68.5	3-phase voltmeter and Amperemeters	No ✓	5.00 ✓	1190.00 ✓	5950 ✓
Mechanical Items					
69	Providing, fitting, testing and commissioning of following items for Flash Mixer:				
69.1	Mixing device with reduction gear system	Set ✓	1.00 ✓	2500.00 ✓	2500 ✓
69.2	3-phase Electrically driven motor:				
69.3	1.0 HP	No ✓	1.00 ✓	4800.00 ✓	4800 ✓
69.4	Foundation \ Base plate	Set ✓	1.00 ✓	4548.00 ✓	4548 ✓
69.5	Starter along with necessary wiring upto motor	No ✓	1.00 ✓	1680.00 ✓	1680 ✓
70	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				
70.1	Mixing device with reduction gear system.	Set ✓	1.00 ✓	2500.00 ✓	2500 ✓

	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
	3-phase electrically driven motors:				
71.1	1.0 HP	No ✓	1.00 ✓	4800.00 ✓	4800 ✓
71.2	Foundation / Base plate	Set ✓	1.00 ✓	4548.00 ✓	4548 ✓
71.3	Starter along with necessary wiring upto motor	No ✓	1.00 ✓	1680.00 ✓	1680 ✓
72	P.V.C outlet, overflow system with fittings upto point of application	Lot ✓	3.00 ✓	530.00 ✓	1590 ✓
72.1	50 mm dia Service water piping.	Lot ✓	3.00 ✓	530.00 ✓	1590 ✓
72.2	Manually operated hoist	Set ✓	1.00 ✓	10000.00 ✓	10000 ✓
73	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				
73.1	Mixing device with reduction gear system.	Set	1.00 ✓	2500.00 ✓	2500 ✓
73.2	3-phase electrically driven motors:				
73.3	1.0 HP	No	1.00 ✓	4800.00 ✓	4800 ✓
73.4	Foundation / Base plate.	Set	1.00 ✓	4548.00 ✓	4548 ✓
73.5	P.V.C outlet, overflow system with fittings upto point of application.	Lot	3.00 ✓	530.00 ✓	1590 ✓
73.6	Starter along with necessary wiring upto motor	No	1.00 ✓	1680.00 ✓	1680 ✓
73.7	50mm dia service water piping	Lot	2.00 ✓	530.00 ✓	1060 ✓
74	Providing and fixing D.I. sluice valves Class 1 (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.				
74.1	150 mm dia.	Each ✓	8.00 ✓	26720.00 ✓	213760 ✓
75	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				
75.1	4.2 KLPM Air blower with 5.0 HP Motor.	No ✓	1.00 ✓	87500.00 ✓	87500 ✓
75.2	Up Wash Arrangements				
76	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.				
76.1	Pumping unit with 5.0 HP Motor.	Set ✓	1.00 ✓	20268.00 ✓	20268 ✓

	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
6.2	IF testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				
77	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 churners for required dia Clarifer.				
77.1	Welded	Kg ✓	1350.00 ✓	102.14 ✓	137882 ✓
78	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				
78.1	On steel work	sqm ✓	30.00 ✓	188.80 ✓	5664 ✓
78.2	Central axle turn table with double bearing and guide for incoming cable.	Set ✓	1.00 ✓	4800.00 ✓	4800 ✓
78.3	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				
78.4	Pumping unit with 5.0 HP Motor.	Set ✓	1.00 ✓	24268.00 ✓	24268 ✓
78.5	Starter along with necessary wiring upto motor	No ✓	1.00 ✓	1680.00 ✓	1680 ✓
79	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	Set ✓			
79.1	1.0 HP	No ✓	1.00 ✓	7300.00 ✓	7300 ✓
79.2	Incoming cable, telescopic electric pole with rotary current collector	Set ✓	1.00 ✓	6500.00 ✓	6500 ✓
80	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.	Kg ✓	750.00 ✓	147.00 ✓	110250 ✓
				Total	10708832 ✓
				Add 8% Above	856707 ✓
				Total Civil + E/M Cost	11565538 ✓

✓ S. S. M. / H.S.

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