

# Office of the Executive Engineer (JSD) PHE Division

## BARAMULLA

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

Allotment Order No.

50 of 2023

Dated: 07-09-2023

Name of the agency/ contractor	M/s Shabir Ahmad Reshi
Address	Baghi Sunder Payeen Dareish Kadal Srinagar
Registration No.	CE/I&FC/Sgr/04/AAY/Civil & San 2019-20
Contact/ Email	9419408173
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 Fresthar under JJM
References	This office ENIT No: 33 of 08 2023-24 Dated. 09.08.2023
Accord of administrative approval No. & date	CE/PHE/DB/JJM/256/of 09 2022 Dated: 05-09-2022
Advertised Cost	Rs. 130.51 lacs
Allotted Cost	Rs. 1,28,07,617.00 (Rupees One Crore twenty eight lac seven thousand six hundred & Seventeen only)
Time of completion	120 days

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.



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. 6569-02  
Dt. 08-09-2023.

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

**Copy to the :-**

- 1/- Mission Director, Mission Directorate Jal Jeevan Mission J&K Civil Secretariat Srinagar/ 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 Baramulla, for information.
- 13/- File Concerned.

Comp. by: Shahid Farooq (Correspondence)



**"Annexure A"**

Name of work: -

Construction and successful testing and commissioning of 0.10 MGD Rapid Sand Filtration Plant (cost includes PST, Flash Mixer, Clariflocculator, Filter House, Separate Back Wash Tank and Wash Water Disposable Chamber including Electro\_Mechanical components for WSS Freshar under JJM

S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	Sqm	1000.00	5.776	5775.50
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)	Cum	366.31	188.750	69141.01
3	Earth work in bulk excavation by manual means 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.				
3.1	All kinds of soil :	Cum	68.22	539.350	36794.46
4	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.	Cum	202.10	198.700	40157.27
5	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	74.72	1320.000	98630.40
6	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	7700.000	20790.00
7	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum	4.50	7968.000	35856.00
8	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	Sqm	1000.00	21.939	21939.00
9	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum	7.90	787.400	6220.46
10	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:				
10.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	17.11	6434.010	110085.91
10.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	10.89	5399.020	58795.33
10.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	21.81	4861.835	106036.62
11	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				
11.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	23.29	7800.760	181679.70
12	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.				

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S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs)
12.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum ✓	15.92 ✓	9408.135 ✓	149777.51
13	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:				
13.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum ✓	46.57 ✓	9849.345 ✓	458684.00
14	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.				
14.1	All works upto plinth level	Cum ✓	34.05 ✓	7911.255 ✓	269378.23
14.2	All works above plinth level upto floor V level	Cum ✓	95.21 ✓	9302.975 ✓	885736.25
15	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum ✓	129.26 ✓	111.870 ✓	14460.32
16	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal ✓	219.74 ✓	1074.370 ✓	236082.06
17	Centering and shuttering including strutting, propping etc. and removal of form for:				
17.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm ✓	67.84 ✓	262.300 ✓	17794.43
17.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm ✓	838.81 ✓	573.850 ✓	481351.12
17.3	Suspended floors, roofs, landings, balconies and access platforms.	sqm ✓	269.28 ✓	635.600 ✓	171154.37
17.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm ✓	130.37 ✓	502.850 ✓	65556.55
17.5	Columns, pillars, piers, abutments, posts and struts.	sqm ✓	221.93 ✓	680.150 ✓	150945.69
17.6	Stairs (excluding landings) except spiral staircases.	sqm ✓	51.16 ✓	807.500 ✓	41311.70
17.7	Edges of slabs and breaks in floors and walls	m ✓	239.49 ✓	242.300 ✓	58028.43
18	Extra for shuttering in circular work :				
18.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm ✓	11.92 ✓	52.460 ✓	625.32
18.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm ✓	191.36 ✓	114.770 ✓	21962.39
18.3	Suspended floors, roofs, landings, balconies and access platforms.	sqm ✓	18.46 ✓	127.120 ✓	2346.64
18.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm ✓	16.57 ✓	100.570 ✓	1666.44
19	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).				
19.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm ✓	510.96 ✓	267.600 ✓	136732.90
20	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)	kgs ✓	1292.61 ✓	57.900 ✓	74842.12

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S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs)
21	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.	Kg ✓	22363.00	87.175	1949494.53
21.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.				
22	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :	Cum ✓	33.58	7111.313	238797.87
22.1	Cement mortar 1:6 ( 1 cement : 6 coarse sand)	Cum ✓	33.58	1522.198	51115.39
23	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level				
24	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately):	Cum ✓	0.76	106894.150	81239.55
24.1	First class kail wood				
25	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.	mm/sqm	17.66	2784.100	49167.21
25.1	First class kail wood (30 mm thick shutter)				
26	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.	Sqm	14.66	925.000	13560.50
26.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm				
27	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.	sqm	1.00	4352.950	4352.95
27.1	Using M.S. angles 40x40x6mm for diagonal braces.				
28	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.	Kg ✓	3000.00	146.630	439890.00
28.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.				
29	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.	Kg ✓	300.00	172.900	51870.00
29.1	M.S. tube				
30	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.	Kg ✓	5082.15	102.135	519065.39
30.1	Welded				
31	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 conforming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters	sqm	3.45	3238.200	11171.79
31.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	each	2.00	483.100	966.20
31.2	Providing and fixing ball bearing for rolling shutters.				



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
32	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.	✓	✓	✓	
32.1	50 mm thick with 20mm nominal size stone aggregate.	sqm	143.86	505.000	72649.30
33	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				
33.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	108.81	1210.663	131732.19
34	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:	✓	✓	✓	
34.1	Makrana White Second quality (16mm)	sqm	100.57	6175.385	621058.47
34.2	Extra for pre finished nosing to treads of steps of marble stone	m	25.00	579.313	14482.81
35	12mm Cement plaster finished with a floating coat of neat cement of mix:				
35.1	1 : 3 ( 1 cement : 3 fine sand)	sqm	526.85	343.750	181104.69
36	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:	✓	✓	✓	
36.1	1 : 4 ( 1 cement : 4 fine sand)	sqm	642.41	300.450	193012.08
37	Applying priming coat:				
37.1	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	250.00	28.900	7225.00
38	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	✓	✓	✓	
38.1	On steel work	sqm	250.00	188.800	47200.00
38.2	On concrete work	sqm	250.00	183.430	45857.50
39	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	400.00	149.050	59620.00
40	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	✓	✓	✓	
40.1	125 mm	each	30.00	66.350	1990.50
40.2	100 mm	each	70.00	52.300	3661.00
41	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 :	✓	✓	✓	
41.1	150x10 mm	each	8.00	80.350	642.80
41.2	100x10 mm	each	104.00	57.350	5964.40
42	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.				

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S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs)
42.1	0.50 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	sqm	183.00	830.250	151935.75
43	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				
43.1	0.63 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m	32.00	691.350	22123.20
44	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	42.45	600.000	25470.00
45	Providing and fixing plained eaves boarding. (II Class nail Wood)				
45.1	250x32 mm (nominal size)	m	63.00	693.900	43715.70
46	Providing and applying white cement based putty of specified thickness, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.				
46.1	2 mm thick	sqm	200.00	172.400	34480.00
47	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				
47.1	15 mm dia. nominal bore	m	30.00	163.550	4906.50
47.2	25 mm dia. nominal bore	m	30.00	298.150	8944.50
47.3	50 mm dia. nominal bore	m	50.00	559.350	27967.50
47.4	80 mm dia. nominal bore	m	36.00	840.000	30240.00
48	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.				
48.1	80 mm dia. Class 1	Each	2.00	10815.000	21630.00
48.2	100 mm dia. Class 1	Each	1.00	13164.000	13164.00
49	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				
49.1	Up to 300 mm dia.	Quintal	5.00	7823.700	39118.50
50	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.				
50.1	80 mm dia. pipe	Joint	10.00	1100.000	11000.00
50.2	200 mm dia. pipe	Joint	20.00	3480.000	69600.00
50.3	250 mm dia. pipe	Joint	30.00	5030.000	150900.00
51	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	Sqm	61.50	800.000	49200.00
52	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.)				
52.1	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.)				
52.1.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	600.00	552.640	331584.00

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S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs)
53	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.)				
53.1	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm	35.00	1395.955	48858.43
54	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	m	60.00	1420.000	85200.00
54.1	75 mm dia				
55	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: for 10 Kms	Cum	132.30	206.276	27290.25
55.1	5 Km	Cum	132.30	14.916	9866.60
55.2	Beyond 5 km upto 10 km per km				
56	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : for 40 Kms	Cum	237.30	206.276	48949.18
56.1	5 km	Cum	237.30	14.916	17697.24
56.2	Beyond 5 km upto 10 km per km	Cum	237.30	12.144	28817.71
56.3	Beyond 10 km upto 20 km per km	Cum	237.30	9.936	47156.26
56.4	Beyond 20 km per additional km				
57	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above : for 40 Kms	Cum	21.20	224.204	4753.12
57.1	5 Km	Cum	21.20	16.215	1718.79
57.2	Beyond 5 km upto 10 km per km	Cum	21.20	13.202	2798.82
57.3	Beyond 10 km upto 20 km per km	Cum	21.20	10.764	4563.94
57.4	Beyond 20 km per additional km				
58	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement/ Steel: for 55 Kms	Tonne	164.54	183.356	30169.40
58.1	5 Km	Tonne	164.54	13.260	10908.59
58.2	Beyond 5 km upto 10 km per km	Tonne	164.54	10.799	17767.85
58.3	Beyond 10 km upto 20 km per km	Tonne	164.54	8.832	50862.60
58.4	Beyond 20 km per additional km				
59	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: 85 Kms	Nos	16500.00	0.550	9075.93
59.1	5 Km	Nos	16500.00	0.040	3281.73
59.2	Beyond 5 km upto 10 km per km	Nos	16500.00	0.032	5343.36
59.3	Beyond 10 km upto 20 km per km	Nos	16500.00	0.027	28429.29
59.4	Beyond 20 km per additional km				
60	<b>ELECTRICAL ITEM(S) :-</b> 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.	Mtr	100.00	103.500	10350.00
61	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way 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	30.00	1215.550	36466.50

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*[Handwritten signatures and initials]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs)
62	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 ✓	1300.000 ✓	6500.00
63	Providing and carrying out circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. (excl. cost of conduit)				
63.1	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m ✓	100.00 ✓	192.050 ✓	19205.00
64	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 ✓	569.250 ✓	5692.50
65	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No. ✓	5.00 ✓	74.750 ✓	373.75
66	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No. ✓	3.00 ✓	1550.000 ✓	4650.00
67	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. ✓	6.00 ✓	1500.000 ✓	9000.00
68	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 ✓	325.000 ✓	32500.00
69	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.				
69.1	30 KVA	Job ✓	1.00 ✓	47000.000 ✓	47000.00
70	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 ✓	4250.000 ✓	4250.00
71	Providing and fitting of:	No ✓	1.00 ✓	11200.000 ✓	11200.00
71.1	200 Amp. 4 pole Change over of reputed make	No ✓	15.00 ✓	2850.000 ✓	42750.00
71.2	32 Amp-Copper bus bar	No ✓	20.00 ✓	1250.000 ✓	25000.00
71.3	16 Amp MCCB	No ✓	10.00 ✓	445.000 ✓	4450.00
71.4	3-phase indicator points	No ✓	6.00 ✓	1190.000 ✓	7140.00
71.5	3-phase voltmeter and Amperemeters				
72	<b>MECHANICAL ITEM(S) :-</b> 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				
72.1	50 mm dia	m ✓	50.00 ✓	530.000 ✓	26500.00
73	Providing, fitting, testing and commissioning of following items for Flash Mixer:				
73.1	Mixing device with reduction gear system	Set ✓	2.00 ✓	2500.000 ✓	5000.00
73.2	3-phase Electrically driven motor:	No ✓	2.00 ✓	4800.000 ✓	9600.00
73.2.1	1.0 HP	Set ✓	2.00 ✓	4548.000 ✓	9096.00
73.3	Foundation \ Base plate	No ✓	9.00 ✓	1680.000 ✓	15120.00
73.4	Starter along with necessary wiring upto motor				




S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
74	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				
74.1	Mixing device with reduction gear system.	Set	1.00	2500.000	2500.00
74.2	3-phase electrically driven motors:				
74.2.1	1.0 HP	No	1.00	4800.000	4800.00
74.3	Foundation / Base plate	Set	1.00	4548.000	4548.00
74.4	P.V.C outlet, overflow system with fittings upto point of application	Lot	1.00	530.000	530.00
75	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				
75.1	Mixing device with reduction gear system.	Set	1.00	2500.000	2500.00
75.2	3-phase electrically driven motors:				
75.2.1	1.0 HP	No	1.00	4800.000	4800.00
75.3	Foundation / Base plate.	Set	1.00	4548.000	4548.00
75.4	P.V.C outlet, overflow system with fittings upto point of application.	Lot	1.00	530.000	530.00
75.5	Starter along with necessary wiring upto motor	No	1.00	1680.000	1680.00
75.6	Constant dozing unit with time device.	Set	1.00	1500.000	1500.00
76	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention 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.				
76.1	100 mm dia.	Each	6.00	17210.000	103260.00
76.2	150 mm dia.	Each	10.00	26720.000	267200.00
76.3	200 mm dia.	Each	5.00	42300.000	211500.00
77	Providing fitting, testing and comissioning 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 auxilary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve, non- return valve, Starter etc	No	1.00	125000.000	125000.00
77.1	8.2 KLPM Air blower with 7.5 HP Motor.				
78	Up Wash Arrangements				
78.1	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.	Set	1.00	29115.000	29115.00
78.1.1	Pumping unit with 7.5 HP Motor.				0.00
79	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				
79.1	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.	Kg	1000.00	102.135	102135.00
79.1.1	Welded	Set	2.00	4800.000	9600.00
80	Central axle turn table with double bearing and guide for incoming cable.				
81	Peripheral drive assembly with following motors, gear box, rollers, drive trolly (60:1 reduction gear box).	Set	1.00	33115.000	33115.00
81.1	Pumping unit with 7.5 HP Motor.				
82	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	No	1.00	7300.000	7300.00
82.1	1.0 HP				



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
83	Incoming cable, telescopic electric pole with rotary current collector	Set	2.00	6500.000	13000.00
84	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8329				
84.1	150 mm dia	m	18.00	1581.250	28462.50
84.2	200 mm dia	m	30.00	1947.000	58410.00
85	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	1200.00	147.000	176400.00
<b>Total Amount =</b>					<b>11870996.24</b>
<b>Quoted rate "@ 7.89 % above" on all items =</b>					<b>936621.6031</b>
<b>Total allotted Cost =</b>					<b>12807617.84</b>
<b>Say =</b>					<b>128.08 Lacs</b>

  
 Hegg Draftsman  


  
 Technical Officer

  
 Executive Engineer  
 PHE (JSD) Division Baramulla