

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

Email: kmrpheb1a@gmail.com (FAX) 01952234575 (Tel) 01952234244

Allotment Order No. 62 of 2023

Dated: 20-10-2023.

Name of the agency/ contractor	Mr. Khalid Bashir Shah
Address	Charari Shrief
Registration No.	SE/Hyd/Bud/2013-14/14/Civil/CEE
Contact/ Email	Kbs_346@yahoo.com (7006649588)
Name of work	Construction and successful testing and commissioning of 0.50 MGD Rapid Sand Filtration Plant (cost incl. Flash Mixer, Clarifloculator, Filter House, and Wash Water Disposable Chamber) for WSS Namblan Sheeri_under JJM
References	Chief Engineer Kashmir PHE Department Srinagar's ENIT 08 of 2023-24 dated 26.05.2023
Accord of administrative approval No. & date	CE/PHE/DB/369 of 10/2023 Dated: 28-10-2023
Advertised Cost	Rs.127.85 lacs
Allotted Cost	Rs. 1,37,29,229/- (Rupees One Crore thirty seven Lacs twenty nine thousand two hundred twenty nine 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" t this allotment, on the terms and conditions given here under :

## Conditions:

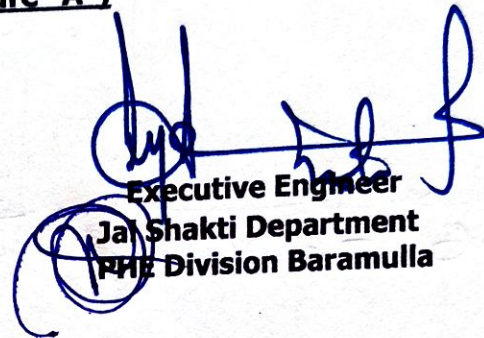
01. Time of completion is essence of the contract.
02. The work shall have to be started by you at site immediately & ensure its successful completion within a period of 120 days from the date of issuance of allotment from this office strictly in accordance with the approved proposals failing which the 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.



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. 8394-8406  
Dt. 30-10-2023.

  
**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)



Name of work :-

Construction and successful testing and commissioning of 0.50 MGD RSFP ( Cost includes, Flash Mixer, Clarifloculator, Filter House &amp; Wash Water Disposable Chamber). WSS Namblan Sheeri 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	800.00	5.776	4620.40
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	2475.19	188.750	467192.11
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	95.07	539.350	51276.00
4	Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres:				
4.1	All kinds of soil :	Cum	80.00	252.050	20164.00
5	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	400.95	198.700	79668.77
6	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	101.62	1320.000	134138.40
7	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	10.08	7700.000	77616.00
8	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum	16.80	7968.000	133862.40
9	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	800.00	21.939	17551.20
10	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum	21.70	787.400	17086.58
11	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:				
11.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	37.36	6434.010	240374.61
11.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	27.59	4861.835	134138.03
12	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				
12.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	44.53	7800.760	347367.84

*[Handwritten signatures and initials]*

For (Recd)

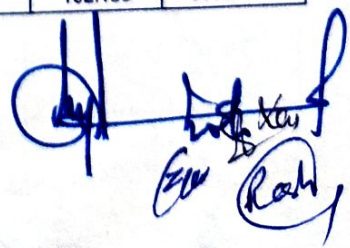
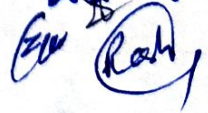


S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
13	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.				
13.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	13.34	9408.135	125504.52
14	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:				
14.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	43.91	9849.345	432484.74
15	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.				
15.1	All works upto plinth level	Cum	45.48	7911.255	359803.88
15.2	All works above plinth level upto floor V level	Cum	81.29	9302.975	756238.84
16	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	126.77	111.870	14181.76
17	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal	215.50	1074.370	231526.74
18	Centering and shuttering including strutting, propping etc. and removal of form for:				
18.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	108.56	262.300	28475.29
18.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	838.26	573.850	481035.50
18.3	Suspended floors, roofs, landings, balconies and access platforms.	sqm	272.64	635.600	173289.98
18.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	145.68	502.850	73255.19
18.5	Columns, pillars, piers, abutments, posts and struts.	sqm	145.94	680.150	99261.09
18.6	Stairs (excluding landings) except spiral staircases.	sqm	8.97	807.500	7243.28
18.70	Edges of slabs and breaks in floors and walls	m	131.00	242.300	31741.30
19	Extra for shuttering in circular work				
19.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	22.64	52.460	1187.69
19.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	357.30	114.770	41007.32
19.3	Suspended floors, roofs, landings, balconies and access platforms.	sqm	22.33	127.120	2838.59
19.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	38.41	100.570	3862.89
20	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).				
20.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm	615.88	267.600	164809.49

*[Handwritten signatures and initials]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
21	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	1090.00	57.900	63111.00
22	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.				
22.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	24600.00	87.175	2144505.00
23	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :		1.00		0.00
23.1	Cement mortar 1:6 ( 1 cement : 6 coarse sand)	Cum	31.31	7111.313	222655.19
24	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum	31.31	1522.198	47660.00
25	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):				
25.1	First class kail wood	Cum	1.80	106894.150	192409.47
26	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.				
26.1	First class kail wood (30 mm thick shutter)	mm/sqm	49.96	2784.100	139093.64
27	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.				
27.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	Sqm	11.68	925.000	10804.00
27.2	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm	6.42	1768.050	11350.88
28	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.				
28.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm	1.00	4352.950	4352.95
29	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.				
29.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	500.00	146.630	73315.00
30	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.				
30.1	M.S. tube	Kg	150.00	172.900	25935.00
31	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.				
31.1	Welded	Kg	6500.00	102.135	663877.50

  
 For 

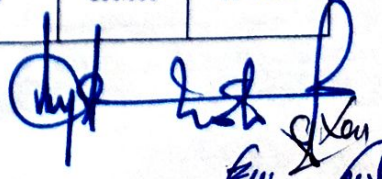


S No.	Description of Work / Item(5)	Unit	Qty	Esstt. Rate	Amount (In Rs )
32	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft 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				
32.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	3.45	3238.200	11171.79
32.2	Providing and fixing ball bearing for rolling shutters.	each	2.00	483.100	966.20
33	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.				
33.1	50 mm thick with 20mm nominal size stone aggregate.	sqm	343.99	505.000	173714.95
34	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				
34.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	126.86	1210.663	153584.64
35	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:				
35.1	Makrana White Second quality (16mm)	sqm	133.61	6175.385	825093.19
35.2	Extra for pre finished nosing to treads of steps of marble stone	m	25.00	579.313	14482.81
36	12mm Cement plaster finished with a floating coat of neat cement of mix:				
36.1	1 : 3 ( 1 cement : 3 fine sand)	sqm	665.61	343.750	228803.44
37	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				
37.1	1 : 4 ( 1 cement : 4 fine sand)	sqm	481.90	300.450	144786.86
38	Applying priming coat:				
38.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	60.00	59.500	3570.00
38.2	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	350.00	52.750	18462.50
38.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	350.00	28.900	10115.00
39	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				
39.1	Two or more coats on new work	sqm	60.00	121.950	7317.00
40	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				
40.1	On steel work	sqm	250.00	188.800	47200.00
40.2	On concrete work	sqm	360.00	183.430	66034.80

*[Handwritten signatures and initials]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
41	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	394.63	149.050	58819.60
42	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				
42.1	125 mm	each	20.00	66.350	1327.00
42.2	100 mm	each	60.00	52.300	3138.00
43	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 :				
43.1	150x10 mm	each	10.00	80.350	803.50
43.2	100x10 mm	each	120.00	57.350	6882.00
44	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.				
44.1	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm	150.44	830.250	124902.81
45	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				
45.1	0.63 mm thick with zinc coating not less than 275 gram/m2	m	41.65	691.350	28794.73
46	Providing and fixing plained eaves boarding. 2nd class kail wood				
46.1	250x32 mm (nominal size )	m	48.85	693.900	33897.02
47	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	53.70	600.000	32220.00
48	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.				
48.1	2 mm thick	sqm	360.00	172.400	62064.00
49	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				
49.1	15 mm dia. nominal bore	m	50.00	163.550	8177.50
49.2	25 mm dia. nominal bore	m	50.00	298.150	14907.50
50	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)				
50.1	Up to 300 mm dia.	Quintal	5.00	7823.700	39118.50
51	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.				
51.1	250 mm dia. pipe	Joint	20.00	5030.000	100600.00
51.2	300 mm dia. pipe	Joint	6.00	7710.000	46260.00
52	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	40.50	800.000	32400.00

  
 Ecu & Son  
 (Pvt)



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
53	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: 10 Kms				
53.1	5 Km	Cum	190.20	206.276	39233.60
53.2	Beyond 5 km upto 10 km per km	Cum	190.20	14.916	14184.64
54	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : 40 Kms				
54.1	5 km	Cum	285.67	206.276	58926.72
54.2	Beyond 5 km upto 10 km per km	Cum	285.67	14.916	21304.55
54.3	Beyond 10 km upto 20 km per km	Cum	285.67	12.144	34691.76
54.4	Beyond 20 km per additional km	Cum	285.67	9.936	56768.34
55	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above : 40 Kms				
55.1	5 Km	Cum	24.80	224.204	5560.26
55.2	Beyond 5 km upto 10 km per km	Cum	24.80	16.215	2010.66
55.3	Beyond 10 km upto 20 km per km	Cum	24.80	13.202	3274.10
55.4	Beyond 20 km per additional km	Cum	24.80	10.764	5338.94
56	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement/ Steel 55 Kms				
56.1	5 Km	Tonne	32.85	183.356	6023.24
56.2	Beyond 5 km upto 10 km per km	Tonne	32.85	13.260	2177.87
56.3	Beyond 10 km upto 20 km per km	Tonne	32.85	10.799	3547.31
56.4	Beyond 20 km per additional km	Tonne	32.85	8.832	10154.59
56.5	5 Km	Tonne	146.00	183.356	26769.98
56.6	Beyond 5 km upto 10 km per km	Tonne	146.00	13.260	9679.44
56.7	Beyond 10 km upto 20 km per km	Tonne	146.00	10.799	15765.81
56.8	Beyond 20 km per additional km	Tonne	146.00	8.832	45131.52
57	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: 85 Kms				
57.1	5 Km	Nos	14089.00	0.550	7749.75
57.2	Beyond 5 km upto 10 km per km	Nos	14089.00	0.040	2802.20
57.3	Beyond 10 km upto 20 km per km	Nos	14089.00	0.032	4562.58
57.4	Beyond 20 km per additional km	Nos	14089.00	0.027	24275.17
58	<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	150.00	103.500	15525.00
59	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	20.00	824.550	16491.00
60	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	7.00	1215.550	8508.85
61	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

*[Handwritten signatures and initials]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
62	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)				
62.1	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m	25.00	230.000	5750.00
63	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.	12.00	569.250	6831.00
64	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.	3.00	393.300	1179.90
65	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.	12.00	228.850	2746.20
66	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.	4.00	442.750	1771.00
67	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.	4.00	74.750	299.00
68	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.	4.00	600.000	2400.00
69	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.	1.00	2125.000	2125.00
70	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.	8.00	1550.000	12400.00
71	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.	1.00	193.200	193.20
72	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.	3.00	2360.950	7082.85
73	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.	8.00	1500.000	12000.00
74	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
75	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.				
75.1	30 KVA	Job	1.00	47000.000	47000.00
76	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
77	Providing and fitting of:				
77.1	100 Amp 4 pole change over of reputed make.	No	1.00	7598.000	7598.00

*[Handwritten signatures and initials]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
77.2	100 Amp-Copper bus bar				
77.3	100 Amp MCCB	No	1.00	4550.000	4550.00
77.4	63 Amp MCCB	No	2.00	3300.000	6600.00
77.5	40 Amp MCCB	No	2.00	2700.000	5400.00
77.6	16 Amp MCCB	No	2.00	2100.000	4200.00
77.7	6 Amp MCCB	No	4.00	1250.000	5000.00
77.8	3-phase indicator points	No	4.00	630.000	2520.00
77.9	3-phase voltmeter and Amperemeters	No	2.00	445.000	890.00
	<b>MECHANICAL ITEM(S) :-</b>	No	2.00	1190.000	2380.00
78	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				
78.1	75 mm dia	m	100.00	1420.000	142000.00
79	Providing, fitting, testing and commissioning of following items for Flash Mixer:				
79.1	3-phase Electrically driven motor:				
79.1.1	1.0 HP	No	1.00	4800.000	4800.00
79.2	Foundation \ Base plate	Set	1.00	4548.000	4548.00
79.3	Starter along with necessary wiring upto motor	No	1.00	1680.000	1680.00
80	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				
80.1	Mixing device with reduction gear system.	Set	1.00	2500.000	2500.00
80.2	3-phase electrically driven motors:				
80.2.1	1.0 HP	No	1.00	4800.000	4800.00
80.3	Foundation / Base plate	Set	1.00	4548.000	4548.00
80.4	Starter along with necessary wiring upto motor	No	1.00	1680.000	1680.00
80.5	P.V.C outlet, overflow system with fittings upto point of application	Lot	1.00	530.000	530.00
80.6	150mm dia drain out let	Lot	1.00	1350.000	1350.00
80.7	50 mm dia Service water piping.	Lot	1.00	530.000	530.00
80.8	Constant dozing unit with time device	Set	1.00	1500.000	1500.00
80.9	Manually operated hoist	Set	1.00	10000.000	10000.00
81	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				
81.1	Mixing device with reduction gear system.	Set	1.00	2500.000	2500.00
81.2	3-phase electrically driven motors:				
81.2.1	0.5 HP	No	1.00	2800.000	2800.00
81.2.2	0.75 HP	No	1.00	3400.000	3400.00
81.2.3	1.0 HP	No	1.00	4800.000	4800.00
81.3	Foundation / Base plate.	Set	1.00	4548.000	4548.00
81.4	P.V.C outlet, overflow system with fittings upto point of application.	Lot	1.00	530.000	530.00
81.5	Starter along with necessary wiring upto motor	No	1.00	1680.000	1680.00
81.6	150 mm dia Drain out let	Lot	1.00	1350.000	1350.00
81.7	50mm dia service water piping	Lot	1.00	530.000	530.00
81.8	Constant dozing unit with time device.	Set	1.00	1500.000	1500.00
82	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.				
82.1	250 mm dia.	Each	9.00	66440.000	597960.00
82.2	300 mm dia.	Each	1.00	83100.000	83100.00

*[Handwritten signature]*  
*[Handwritten signature]*  
 Eo *[Handwritten signature]*



S No.	Description of Work / Item(S)	Unit	Qty	Esstt. Rate	Amount (In Rs )
83	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 auxilliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve , non- return valve, Starter etc				
83.1	8.2 KLPM Air blower with 7.5 HP Motor.	No	1.00	125000.000	125000.00
84	Up Wash Arrangements				
84.1	Supply installation and successful testing and comissioning 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.				
84.1.1	Pumping unit with 7.5 HP Motor.	Set	1.00	29115.000	29115.00
85	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				
85.1	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.				
85.1.1	Welded	Kg	1500.00	102.135	153202.50
86	Central axle turn table with double bearing and guide for incoming cable.	Set	1.00	4800.000	4800.00
87	Peripheral drive assembly with following motors, gear box, rollers, drive trolly (60:1 reduction gear box).				
87.1	Pumping unit with 2.0 HP Motor.	Set	1.00	19120.000	19120.00
87.2	Pumping unit with 7.5 HP Motor.	Set	1.00	33115.000	33115.00
87.3	Starter along with necessary wiring upto motor	No	1.00	1680.000	1680.00
88	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				
88.1	1.0 HP	No	1.00	7300.000	7300.00
89	Incoming cable, telescopic electric pole with rotary current collector	Set	1.00	6500.000	6500.00
90	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)				
90.1	Up to 300 mm dia.	Quintal	12.48	7823.700	97639.78
92	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	500.00	147.000	73500.00
Advertised Cost of B.O.Q =					12712249.71
Approved/ Recommended Percentage rate above the advertised rate "@ 8 % above" on all items =					1016979.977
Total allotted Cost =					13729229.69

Head Craftsman

Executive Engineer  
PHE (JSD) Division Baramulla