

# Office of the Executive Engineer (Jal Shakti Department)

## PHE Division Baramulla

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M/S Mubashir Shabir Wani  
R/o Bemina Srinagar

No. 8475-89

Dt. 21-11-2022

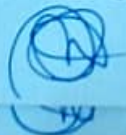
**Sub: Construction and Successful Testing and Commissioning of 0.10 MGD RSFP (cost includes PST, Flash Mixer, Clariflocculator, Filter House, Separate Backwash Tank and Wash Water disposable chamber) WSS Shumlaran.**

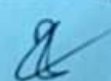
**Ref:** (i) Constitution of District Jal Jeevan Mission, Administrative Council Decision No: 28-04-2020 Dated: 05-02-2020 issued vide Govt. order No: 501-JK (GAD) of 2020 Dated: 24-04-2020.  
(ii) Minutes of fourth meeting of the Apex committee of Jal Jeevan Mission J&K, meeting convened on 04-09-2021.  
(iii) Jal Shakti Department order No: 196 of JK (JSD) of 2021 Dated: 12-10-2021.  
(iv) Chief Engineer Kashmir PHE Jal Shakti Department office E-NIT No: 132 of 2021-22 Dated: 08.03.2022 issued under Endtt. No: CE/PHE/DB/41981-42033 Dated: 21-02-2022.  
(v) UT level committee meeting held on 28-04-2022 under the Chairmanship Development Commissioner Works PW (R&B).  
(vi) Chief Engineer Kashmir PHE Jal Shakti Department Srinagar's office letter No: CE/PHE/JJM/7117-63 Dated: 06-06-2022.  
(vii) Minutes of meeting of held on 23-05-2022 under the Chairpersonship of District Development Commissioner Baramulla (Chairperson District JJM Bla) authorization issued vide No: DDCB/Meeting/ 2022/1214-44 Dated: 24-05-2022.  
(viii) District Superintending Engineer Hyd. Circle Bla/Bpr HQ Sopore authorization No: SE/Hyd/DB /2639-50 dated: 14.06.2022.  
(ix) Your tender received in response ENIT No: 132 of 2021-22 (CE/PHE/KMR/JSD) Dated: 08-03-2022.  
(x) This office LOI No: 3273-87 Dated: 16-06-2022.

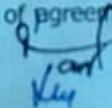
For and on behalf of Lt. Governor of Jammu and Kashmir Union Territory, Contract for the work namely: " **Construction and Successful Testing and Commissioning of 0.10 MGD RSFP (cost includes PST, Flash Mixer, Clariflocculator, Filter House, Separate Backwash Tank and Wash Water disposable chamber) WSS Shumlaran**" is hereby allotted to you in accordance with all the terms and conditions as laid down in the bid documents read with any amendment if any, for an amount of Rs. **1,15,90,109 (One crore fifteen lac ninty thousand one hundred and nine only)** as per the item rates along with your quoted overall tender appreciation of (8%) Eight percent. This is in continuation to the Letter of Intent referred above.

### A- Note:

01. Total value of the work is **1,15,90,109/-** worked out on the basis of above quoted rates which includes all taxes, levies etc. and as per the drawing provided vide No: CE/PHE/JJM/7117-63 Dated: 06-06-2022.
02. The date of start of the subject work shall be reckoned from the date of issuance of this allotment order. Given the fact that letter of intent stands already issued vide this office letter No. 3273-87 Dt: 16-06-2022, in case of failure to start the work within three days of issuance of this allotment order action as warranted shall be initiated.
03. An agreement shall have to be drawn by you with the department within a period of 07 days from the date of issuance of this allotment order. Failure to execute such a formal deed shall not however prevent the contract from being enforced upon you. However, payment shall not be made unless the agreement is drawn.
04. Performance security equivalent to **03%** of the value of the contract ( **Rs:3,47,703/-**) valid in accordance with bid conditions, shall have to be furnished by you in shape of CDR/FDR/BG within one week from the date of issuance of allotment order or at the time of signing of agreement whichever is earlier.







05. All other terms and conditions and technical specifications shall remain the same as laid down in standard bid document of the subject e-NIT read with Corrigenda, Minutes of Pre-bid meeting.

  
Executive Engineer  
PHE Division Baramulla

**Copy to the :-**

01. Mission Director, Mission Directorate Jal Jeevan Mission J&K Civil Secretariat Srinagar/ Jammu for information.
02. Chief Engineer Kashmir PHE Department Srinagar for favour of information.
03. District Development Commissioner Baramulla (Chairperson DJJM) for favour information.
04. Distt. Superintending Engineer Hydraulic Circle Bla/Bpr HQ Sopore (Member Secretary DJJM) for information. This is with reference to his authorization No: 2105-14 Dated: 04-06-2022.
05. Additional District Development Commissioner Baramulla (Member DJJM) for information.
06. Assistant Commissioner Development Baramulla (Member DJJM) for information.
07. Divisional Forest Officer Baramulla (Member DJJM) for information.
08. Chief Planning Officer Baramulla (Member DJJM) for information.
09. 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. Assistant Ex. Engineer PHE Sub Division Baramulla for information
13. M/s WAPCOS Ltd Corporate Office 76-C Institutional sector 18 Gurgaon for information.
14. Head Draftsman for information.
15. File Concerned.

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
9.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
	Total	Cum	27.510	7800.76	214597
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	31.435	9408.14	295747
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	51.107	9849.35	503375
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	36.897	7911.26	291905
12.2	All works above plinth level upto floor V level				
	Total	Cum	88.404	9302.98	822422
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	125.302	111.87	14017
14	Centering and shuttering including strutting, propping etc. and removal of form for:				

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S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
14.1	Foundations, footings, bases of columns etc. for mass concrete. Total	sqm	50.142	262.30	13152
14.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. Total	sqm	1052.579	573.85	604022
14.3	Suspended floors, roofs, landings, balconies and access platforms. Total	sqm	211.251	635.60	134271
14.4	Lintel, beams, plinth beams, girders, bressumers and cantilevers. Total	sqm	186.566	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
15.00	Extra for shuttering in circular work	Sqm	7.960	52.46	418
15.10	Foundations, footings, bases of columns etc. for mass concrete.	sqm	172.649	114.77	19815
15.20	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	35.091	127.12	4461
15.30	Suspended floors, roofs, landings, balconies and access platforms.	sqm	19.711	100.57	1982
15.40	Lintels Beams	m	308.637	242.30	74783
15.50	Edges of slabs and breaks in floors and walls				
16	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).				
16.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured) Total	sqm	142.568	267.60	38151
17	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)				
	Total Qty	Kg	819.69	57.90	47460
18	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.				
18.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.				

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
	Total	Kg	24312	87.18	211937
19	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				
19.1	Cement mortar 1:4 ( 1 cement : 4 coarse sand)				
	Total	Cum	27.021	7476.38	202016
20	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
21	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):				
21.1	First class kail wood				
	Total	Cum	1.537	106894.15	164264
22	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..				
22.1	Second kail wood (30 mm thick shutter)				
	Total	sqm	39.668	2489.75	98762
23	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.				
23.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm				
23.2	With 2nd class teak wood beading 62x19 mm				
	Total	sqm	39.668	1274.05	50538
23.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)				
	Total	sqm	3.00	1768.05	5304
24	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.				
24.1	Using M.S. angles 40x40x6mm for diagonal braces.				
	Total	sqm	7.20	4352.95	31341
24.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.				
	Total	Kg	1800	146.63	263934

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
25	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	Kg	410	172.90	70889
	Total				
26	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.				
26.1	Welded	Kg	3986	102.14	407110
	Total				
27	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				
27.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	5.00	3238.20	16191
27.2	Providing and fixing ball bearing for rolling shutters.	each	2.00	483.10	966
28	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.				
28.1	50 mm thick with 20mm nominal size stone aggregate.	sqm	43.78	505.00	22109
	Total				
29	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				
29.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	85.00	1210.66	102906

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S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (in Rs)
30	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:				
30.1	Makrana White Second quality (16mm)	sqm	75.00	6175.39	463154
31	12mm Cement plaster finished with a floating coat of neat cement of mix:				
31.1	1 : 4 ( 1 cement : 4 fine sand)				
	Total	sqm	1448.765	325.45	471500.52
32	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)				
33	Applying priming coat:				
33.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	472.81	91.80	43404
	Filter House Doors/ Windows				
33.2	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	Sqm	45.42	59.50	2702
	Filter House				
33.3	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	170	52.75	8968
	Filter House				
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	sqm	45.42	179.80	8167
34.1	On steel work				
	Total	sqm	225.00	188.80	42480
34.2	On concrete work				
	Total	sqm	742.81	183.43	136253
35	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer.				
	Filter House	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

S 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/m <sup>2</sup> Filter House	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/m <sup>2</sup>	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	3	10815.00	32445
42.2	150 mm dia. Class 1	Each	1	20243.00	20243
42.3	200 mm dia. Class 1	Each	3	31698.00	95094
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				
	Back Wash Tank	Sqm	15	800.00	12000



S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
45	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				
	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.)				
45.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	300	552.64	165792
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)	sqm	15	1395.96	20939
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				
47.1	50 mm dia	m	60.00	530.00	31800
48	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: Avg 45Kms				
	Total Qty of Sand	Cum			
48.1	5 Km	Cum	171.73	206.28	35424
48.2	Beyond 5 km upto 10 km per km	Cum	171.73	14.92	12807
48.3	Beyond 10 km upto 20 km per km	Cum	171.73	12.14	20855
48.4	Beyond 20 km per additional km	Cum	171.73	9.94	42659

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S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
49	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : Avg 45 Kms				
	Total Qty of 20mm aggregates	Unit			
	Total Qty of 20mm aggregates	Cum			
49.1	5 km	Cum	213.79	206.28	44099
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				
	Total Qty of 40mm aggregates	Unit			
	Total Qty of 40mm aggregates	Cum			
50.1	5 Km	Cum	44.29	224.20	9931
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.				
	Total Qty of Steel	Tonne			
51.1	5 Km	Tonne	30.10	183.36	5519
51.2	Beyond 5 km upto 10 km per km	Tonne	30.10	13.26	1995
51.3	Beyond 10 km upto 20 km per km	Tonne	30.10	10.80	3250
51.4	Beyond 20 km per additional km	Tonne	30.10	8.83	6646
52	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement: Avg 45 Kms.				
	Total Qty of Cement	Unit			
	Total Qty of Cement	Cum			
52.1	5 Km	Tonne	113.22	183.36	20760
52.2	Beyond 5 km upto 10 km per km	Tonne	113.22	13.26	7506
52.3	Beyond 10 km upto 20 km per km	Tonne	113.22	10.80	12226
52.4	Beyond 20 km per additional km	Tonne	113.22	8.83	24999
	<b>Electrical Items</b>				
53	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	103.50	10350.00
54	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	824.55	20613.75

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Amount (Rs)

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
55	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	1300.00	6500.00
56	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	569.25	5692.50
57	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	442.75
58	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	373.75
59	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.	1.00	2125.00	2125.00
60	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.	1.00	1550.00	1550.00
61	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	1932.00
62	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	2360.95
63	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	4500.00
64	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	32500.00

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S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
65	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.	Job	1.00	42000.00	42000.00
65.1	25 KVA	Job	1.00	42000.00	42000.00
66	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	4250.00
67	Providing and fitting of:				
67.1	200 Amp. 4 pole Change over of reputed make	No	1.00	11200.00	11200.00
67.2	32 Amp-Copper bus bar	No	6.00	2850.00	17100.00
67.3	16 Amp MCCB	No	15.00	1250.00	18750.00
67.40	3-phase indicator points	No	5.00	445.00	2225.00
67.5	3-phase voltmeter and Amperemeters	No	5.00	1190.00	5950.00
	Mechanical Items				0.00
68	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0.00
68.1	Mixing device with reduction gear system	Set	1.00	2500.00	2500.00
69.0	3-phase Electrically driven motor:				
69.10	1.0 HP	No	1.00	4800.00	4800.00
69.2	Foundation \ Base plate	Set	1	4548.00	4548.00
69.3	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
70	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				0.00
70.1	Mixing device with reduction gear system.	Set	1	2500.00	2500.00
71	3-phase electrically driven motors:				
71.1	1.0 HP	No	1	4800.00	4800.00
71.2	Foundation / Base plate	Set	1	4548.00	4548.00
71.3	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
71.4	P.V.C outlet, overflow system with fittings upto point of application	Lot	3	530.00	1590.00
71.5	50 mm dia Service water piping.	Lot	3	530.00	1590.00
71.60	Manually operated hoist	Set	1	10000.00	10000.00
72	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				0.00
72.1	Mixing device with reduction gear system.	Set	1	2500.00	2500.00
72.2	3-phase electrically driven motors:				
72.3	1.0 HP	No	1	4800.00	4800.00
72.4	Foundation / Base plate.	Set	1	4548.00	4548.00
72.5	P.V.C outlet, overflow system with fittings upto point of application.	Lot	3	530.00	1590.00
72.6	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
72.7	50mm dia service water piping	Lot	2	530.00	1060.00

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
73	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.				
73.1	150 mm dia.	Each	8	26720.00	213760.00
74	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				0.00
74.1	4.2 KLPM Air blower with 5.0 HP Motor.	No	1	87500.00	87500.00
75	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.				0.00
75.1	Pumping unit with 5.0 HP Motor.	Set	1	20268.00	20268.00
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.				0.00
77.1	Welded	Kg	1350	102.14	137882.25
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				0.00
78.1	On steel work	sqm	30	188.80	5664.00
79	Central axle turn table with double bearing and guide for incoming cable.	Set	1	4800.00	4800.00
80	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				
80.1	Pumping unit with 5.0 HP Motor.	Set	1	24268.00	24268.00
80.2	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
81	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				
81.1	1.0 HP Motor	No	1	7300.00	7300.00

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
81.2	Incoming cable, telescopic electric pole with rotary current collector	Set	1	6500.00	6500.00
82	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	147.00	110250
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: Avg 60 Kms.	No	12835	2.11	27082
	<b>Grand Total Amount</b>				<b>10731582</b>
	<b>Add 8% Above</b>				<b>858527</b>
	<b>Grand Total Amount</b>				<b>11590109</b>
	<b>Say 115.90 Lacs</b>				

*[Signature]*  
 Technical Officer  
 PHE Div. Baramulla

*[Signature]*  
 Executive Engineer  
 PHE Division Baramulla

*[Signature]*  
 B.D

# Office of the Executive Engineer (Jal Shakti Department)

## PHE Division Baramulla

Email: [kmrpheblo@gmail.com](mailto:kmrpheblo@gmail.com) (FAX) 01952-234575 (Tel) 01952234244

M/S Mubashir Shabir Wani  
R/o Bemina Srinagar

No. 8475-87

Dt. 21-11-2022

**Sub:** Construction and Successful Testing and Commissioning of 0.10 MGD RSFP (cost includes PST, Flash Mixer, Clariflocculator, Filter House, Separate Backwash Tank and Wash Water disposable chamber) WSS Shumlaran.

**Ref:** (i) Constitution of District Jal Jeevan Mission, Administrative Council Decision No: 28-04-2020 Dated: 05-02-2020 issued vide Govt. order No: 501-JK (GAD) of 2020 Dated: 24-04-2020.  
(ii) Minutes of fourth meeting of the Apex committee of Jal Jeevan Mission J&K, meeting convened on 04-09-2021.  
(iii) Jal Shakti Department order No: 196 of JK (JSD) of 2021 Dated: 12-10-2021.  
(iv) Chief Engineer Kashmir PHE Jal Shakti Department office E-NIT No: 132 of 2021-22 Dated: 08.03.2022 issued under Endtt. No: CE/PHE/DB/41981-42033 Dated: 21-02-2022.  
(v) UT level committee meeting held on 28-04-2022 under the Chairmanship Development Commissioner Works PW (R&B).  
(vi) Chief Engineer Kashmir PHE Jal Shakti Department Srinagar's office letter No: CE/PHE/JJM/7117-63 Dated: 06-06-2022.  
(vii) Minutes of meeting of held on 23-05-2022 under the Chairpersonship of District Development Commissioner Baramulla (Chairperson District JJM Bla) authorization issued vide No: DDCB/Meeting/ 2022/1214-44 Dated: 24-05-2022.  
(viii) District Superintending Engineer Hyd. Circle Bla/Bpr HQ Sopore authorization No: SE/Hyd/DB /2639-50 dated: 14.06.2022.  
(ix) Your tender received in response ENIT No: 132 of 2021-22 (CE/PHE/KMR/1SD) Dated: 08-03-2022.  
(x) This office LOI No: 3273-87 Dated: 16-06-2022.


For and on behalf of Lt. Governor of Jammu and Kashmir Union Territory, Contract for the work namely: " **Construction and Successful Testing and Commissioning of 0.10 MGD RSFP (cost includes PST, Flash Mixer, Clariflocculator, Filter House, Separate Backwash Tank and Wash Water disposable chamber) WSS Shumlaran**" is hereby allotted to you in accordance with all the terms and conditions as laid down in the bid documents read with any amendment if any, for an amount of Rs. **1,15,60,861 (One crore fifteen lac sixty thousand eight hundred and sixty one only)** as per the item rates along with your quoted overall tender appreciation of (8%) Eight percent. This is in continuation to the Letter of Intent referred above.

### A- Note:

- Total value of the work is **1,15,60,861** worked out on the basis of above quoted rates which includes all taxes, levies etc. and as per the drawing provided vide No: CE/PHE/JJM/7117-63 Dated: 06-06-2022.
- The date of start of the subject work shall be reckoned from the date of issuance of this allotment order. Given the fact that letter of intent stands already issued vide this office letter No. 3273-87 Dt: 16-06-2022, in case of failure to start the work within three days of issuance of this allotment order action as warranted shall be initiated.
- An agreement shall have to be drawn by you with the department within a period of 07 days from the date of issuance of this allotment order. Failure to execute such a formal deed shall not however prevent the contract from being enforced upon you. However, payment shall not be made unless the agreement is drawn.
- Performance security equivalent to **03%** of the value of the contract ( **Rs:3,46,825/-**) valid in accordance with bid conditions, shall have to be furnished by you in shape of CDR/FDR/BG within one week from the date of issuance of allotment order or at the time of signing of agreement whichever is earlier.



05. All other terms and conditions and technical specifications shall remain the same as laid down in standard bid document of the subject e-NIT read with Corrigenda, Minutes of Pre-bid meeting.

  
Executive Engineer  
PHE Division Baramulla

**Copy to the :-**

01. Mission Director, Mission Directorate Jal Jeevan Mission J&K Civil Secretariat Srinagar/ Jammu for information.
02. Chief Engineer Kashmir PHE Department Srinagar for favour of information.
03. District Development Commissioner Baramulla (Chairperson DJJM) for favour information.
04. Distt. Superintending Engineer Hydraulic Circle Bla/Bpr HQ Sopore (Member Secretary DJJM) for information. This is with reference to his authorization No: 2105-14 Dated: 04-06-2022.
05. Assistant District Development Commissioner Baramulla (Member DJJM) for information.
06. Assistant Commissioner Development Baramulla (Member DJJM) for information.
07. Divisional Forest Officer Baramulla (Member DJJM) for information.
08. Chief Planning Officer Baramulla (Member DJJM) for information.
09. 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. Assistant Ex. Engineer PHE Sub Division Baramulla for information
13. M/s WAPCOS Ltd Corporate Office 76-C Institutional sector 18 Gurgaon for information.
14. Head Draftsman for information.
15. File Concerned.

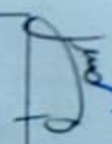



**Items of Work for Construction of 0.10 MGD Rapid Sand Filtration Plant for WSS**  
ShumIarn\_JJM

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)	Cum	429.40	188.75	81049
	Total				
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.	Cum	369.30	198.70	73380
	Total				
4	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	61.826	1320.00	81610
	Total				
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.	Cum	11.40	787.40	8976
	Total				
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)	Cum	22.70	6434.01	146052
	Total				
8.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	8.649	5399.02	46696
	Total				
8.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	17.866	4861.84	86860
	Total				
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				

*[Handwritten Signature]*  
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S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
9.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
	Total	Cum	27.510	7800.76	214597
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	31.435	9408.14	295747
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	51.107	9849.35	503375
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	36.897	7911.26	291905
12.2	All works above plinth level upto floor V level				
	Total	Cum	88.404	9302.98	822422
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)				
	Centering and shuttering including strutting, propping etc. and removal of form for:	Cum	125.302	111.87	14017
14					

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (in Rs )
14.1	Foundations, footings, bases of columns etc. for mass concrete.				
	Total	sqm	50.142	262.30	13152
14.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.				
	Total	sqm	1052.579	573.85	604022
14.3	Suspended floors, roofs, landings, balconies and access platforms.				
	Total	sqm	211.251	635.60	134271
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
15.00	Extra for shuttering in circular work				
15.10	Foundations, footings, bases of columns etc. for mass concrete.	Sqm	7.960	52.46	418
15.20	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	172.649	114.77	19815
15.30	Suspended floors, roofs, landings, balconies and access platforms	sqm	35.091	127.12	4461
15.40	Lintels Beams	sqm	19.711	100.57	1982
15.50	Edges of slabs and breaks in floors and walls	m	308.637	242.30	74783
16	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).				
16.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm	142.568	267.60	38151
17	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)				
	Total Qty	Kg	819.69	57.90	47460
18	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.				
18.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.				

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
	Total				
19	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :	Kg	24312	87.18	2119399
19.1	Cement mortar 1:4 ( 1 cement : 4 coarse sand)				
	Total	Cum	27.021	7476.38	202016
20	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
21	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):				
21.1	First class kail wood				
	Total	Cum	1.537	106894.15	164264
22	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.				
22.1	Second kail wood (30 mm thick shutter)				
	Total	sqm	39.668	2489.75	98762
23	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.				
23.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm				
23.2	With 2nd class teak wood beading 62x19 mm				
	Total	sqm	39.668	1274.05	50538
23.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)				
	Total	sqm	3.00	1768.05	5304
24	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.				
24.1	Using M.S. angles 40x40x6mm for diagonal braces.				
	Total	sqm	7.20	4352.95	31341
24.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.				
	Total	Kg	1800	146.63	263934

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
25	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 Total	Kg	410	172.90	70889
26	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.				
26.1	Welded Total	Kg	3986	102.14	407110
27	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				
27.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	5.00	3238.20	16191
27.2	Providing and fixing ball bearing for rolling shutters.	each	2.00	483.10	966
28	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.				
28.1	50 mm thick with 20mm nominal size stone aggregate. Total	sqm	43.78	505.00	22109
29	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				
29.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	85.00	1210.66	102906

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (in Rs )
30	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:				
30.1	Makrana White Second quality (16mm)	sqm	75.00	6175.39	463154
31	12mm Cement plaster finished with a floating coat of neat cement of mix:				
31.1	1 : 4 ( 1 cement : 4 fine sand)				
	Total	sqm	1448.765	325.45	471500.52
32	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)				
	Total	sqm	472.81	91.80	43404
33	Applying priming coat:				
	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)				
33.1	Filter House Doors/ Windows	Sqm	45.42	59.50	2702
33.2	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works				
	Filter House	sqm	170	52.75	8968
33.3	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture				
	Filter House	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	742.81	183.43	136253
35	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer.				
	Filter House	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

S 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/m <sup>2</sup>				
	Filter House	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/m <sup>2</sup>	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	3	10815.00	32445
42.2	150 mm dia. Class 1	Each	1	20243.00	20243
42.3	200 mm dia. Class 1	Each	3	31698.00	95094
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				
	Back Wash Tank	Sqm	15	800.00	12000

Sl. No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs)
45	<p>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</p>				
45.1	<p>Anodized aluminum (Anodized transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15)</p>	Kg	300	552.64	165792
46	<p>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.)</p>				
46.1	<p>With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)</p>	sqm	15	1395.96	20939
47	<p>Providing &amp; fixing of PVC under drainage laterals with specifications conforming to IS-4985 &amp; 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</p>				
47.1	<p>50 mm dia</p>	m	60.00	530.00	31800
48	<p>Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND: Avg 45Kms</p>				
48.1	<p>Total Qty of Sand</p>	Cum			
48.2	<p>Beyond 5 km upto 10 km per km</p>	Cum	171.73	206.28	35424
48.3	<p>Beyond 10 km upto 20 km per km</p>	Cum	171.73	14.92	12807
48.4	<p>Beyond 20 km per additional km</p>	Cum	171.73	9.94	42659



S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
49	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm : Avg 45 Kms				
	Total Qty of 20mm aggregates	Unit			
	Total Qty of 20mm aggregates	Cum			
49.1	5 km	Cum	213.79	206.28	44099
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				
	Total Qty of 40mm aggregates	Unit			
	Total Qty of 40mm aggregates	Cum			
50.1	5 Km	Cum	44.29	224.20	9931
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.				
	Total Qty of Steel	Tonne			
51.1	5 Km	Tonne	30.10	183.36	5519
51.2	Beyond 5 km upto 10 km per km	Tonne	30.10	13.26	1995
51.3	Beyond 10 km upto 20 km per km	Tonne	30.10	10.80	3250
51.4	Beyond 20 km per additional km	Tonne	30.10	8.83	6646
52	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement: Avg 45 Kms.				
	Total Qty of Cement	Unit			
	Total Qty of Cement	Cum			
52.1	5 Km	Tonne	113.22	183.36	20760
52.2	Beyond 5 km upto 10 km per km	Tonne	113.22	13.26	7506
52.3	Beyond 10 km upto 20 km per km	Tonne	113.22	10.80	12226
52.4	Beyond 20 km per additional km	Tonne	113.22	8.83	24999
	<b>Electrical Items</b>				
53	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	103.50	10350.00
54	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	824.55	20613.75

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
55	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	1300.00	6500.00
56	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	569.25	5692.50
57	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	442.75
58	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	373.75
59	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.	1.00	2125.00	2125.00
60	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.	1.00	1550.00	1550.00
61	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	1932.00
62	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	2360.95
63	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	4500.00
64	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	32500.00

*[Handwritten signatures and initials]*

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
65	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.	Job	1.00	42000.00	42000.00
65.1	25 KVA	Job	1.00	42000.00	42000.00
66	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	4250.00
67	Providing and fitting of:				
67.1	200 Amp. 4 pole Change over of reputed make	No	1.00	11200.00	11200.00
67.2	32 Amp-Copper bus bar	No	6.00	2850.00	17100.00
67.3	16 Amp MCCB	No	15.00	1250.00	18750.00
67.40	3-phase indicator points	No	5.00	445.00	2225.00
67.5	3-phase voltmeter and Amperemeters	No	5.00	1190.00	5950.00
	Mechanical Items				0.00
68	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0.00
68.1	Mixing device with reduction gear system	Set	1.00	2500.00	2500.00
69.0	3-phase Electrically driven motor:				
69.10	1.0 HP	No	1.00	4800.00	4800.00
69.2	Foundation \ Base plate	Set	1	4548.00	4548.00
69.3	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
70	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				0.00
70.1	Mixing device with reduction gear system.	Set	1	2500.00	2500.00
71	3-phase electrically driven motors:				0.00
71.1	1.0 HP	No	1	4800.00	4800.00
71.2	Foundation / Base plate	Set	1	4548.00	4548.00
71.3	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
71.4	P.V.C outlet, overflow system with fittings upto point of application	Lot	3	530.00	1590.00
71.5	50 mm dia Service water piping.	Lot	3	530.00	1590.00
71.60	Manually operated hoist	Set	1	10000.00	10000.00
72	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				0.00
72.1	Mixing device with reduction gear system.	Set	1	2500.00	2500.00
72.2	3-phase electrically driven motors:				0.00
72.3	1.0 HP	No	1	4800.00	4800.00
72.4	Foundation / Base plate.	Set	1	4548.00	4548.00
72.5	P.V.C outlet, overflow system with fittings upto point of application.	Lot	3	530.00	1590.00
72.6	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
72.7	50mm dia service water piping	Lot	2	530.00	1060.00

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
73	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.	Each	8	26720.00	213760.00
73.1	150 mm dia.				
74	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	No	1	87500.00	87500.00
74.1	4.2 KLPM Air blower with 5.0 HP Motor.				
75	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.				0.00
75.1	Pumping unit with 5.0 HP Motor.	Set	1	20268.00	20268.00
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 Clarifier.				0.00
77.1	Welded	Kg	1350	102.14	137882.25
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				0.00
78.1	On steel work	sqm	30	188.80	5664.00
79	Central axle turn table with double bearing and guide for incoming cable.	Set	1	4800.00	4800.00
80	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				
80.1	Pumping unit with 5.0 HP Motor.	Set	1	24268.00	24268.00
80.2	Starter along with necessary wiring upto motor	No	1	1680.00	1680.00
81	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				
81.1	1.0 HP Motor	No	1	7300.00	7300.00

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*[Handwritten Signature]*

S No.	Description of Work / Item(S)	Unit	Qty	Projected (PSSR)	Amount (In Rs )
81.2	Incoming cable, telescopic electric pole with rotary current collector	Set	1	6500.00	6500.00
82	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	147.00	110250.00
	Grand Total Amount				10704501
	Add 8% Above				856360
	Grand Total Amount				11560861
	Say 115.61 Lacs				

*[Handwritten Signature]*

*[Handwritten Signature]*  
 Technical Officer  
 PHE Div. Baramulla

*[Handwritten Signature]*

Executive Engineer  
 PHE Division Baramulla