

**OFFICE OF THE EXECUTIVE ENGINEER PHE, DIVISION BIJBEHARA**

<b>M/S Mohd Irfan Najar</b>	<b>No/PHB: 5290-5302</b>
<b>S/o Gh Mohi ud din Najar</b>	<b>Dated: 18-07-2023</b>
<b>R/O Khanabal Anantnag</b>	<b>GST. No:- 01AEAPN6078H1Z0</b>

**Regd: 79-AAV/SE/Hyd/Ang/2004-05**

<b>Tentative Adv. Cost Rs: 144.52 Lacs</b>	<b>Allotted cost Rs:143.70 Lacs</b>
<b>Subje</b> <b>ct:-</b>	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with Back Wash tank, Clarifloculator , Filter House & Flash Mixer at Uranhall WSS.Uranhal under JJM.
<b>Referen</b> <b>ce</b>	<p>1. Chief Engineer Kmr PHE Department Srinagar's e-NIT No: 132 of 2021-22 Dated : 08.03.2022 issued under endorsement No:CE/PHE/DB/44105-56 Dated:08.03.2022</p> <p>02. UT Level Committee meeting held on 01.06.2022 under the Chairmanship of Development Commissioner Works PW (R&amp;B).</p> <p>03. Chief Engineer Jal Shakti (PHE) Department Srinagar's letter No.CE/PHE/JJM/6938-82 dated 04.06.2022 and No.CE/PHE/JJM/7499-7547 Dated: 09.06.2022</p> <p>04. DJJM /District Development Commissioner Anantnag's Authorization No:DDCA/JJM/2022-23/3582-86 Dated: 25.07.2022</p> <p>05. Superintending Engineer Hyd.Circle Anantnag's Authrozation Letter No:SE/Hyd/4413-16 Dated: 30.07.2022</p> <p>06. This office Letter of intent No/PHB/5971-73 Dated:30.07.2022</p> <p>7. Chief Engineer Jal Shakti (PHE) Department Kashmir's No. CE/PHE/JJM/8738-82 dated: 04.06.2022, Annexure A at Serial No. 11.</p>

For & on behalf of Lt. Governor of J&K (UT), contract for above noted work is hereby fixed with you on the following quoted rates :-

SI.No	Description of Work / Item(s)	Qty	Units	Estimated Rate	Amount
1	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunk and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material				
2	Beyond 30 cm girth upto and including 60 cm girth.	32	No	344.8	11033.60
3	Beyond 60 cm girth upto and including 120 cm girth.	27	No	1530.8	41331.60
4	Beyond 120 cm girth upto and including 240 cm girth.	8	No	7090.8	56726.40
5	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)	490.77	Cum	188.75	92632.84
6	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.				
7	All kinds of soil :	490.77	Cum	539.35	264696.80


  
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Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Back Wash tank, Clarifloculator, Filter House & Flash Mixer at Uranhall WSS.Uranhal under JJM.					
Subje ct:-					
8	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 excavation				
9	All kinds of soil :		Cum	252.05	0.00
10	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				
11	All kinds of soil :	44.58	Cum	81.65	3639.96
12	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.	490.77	Cum	198.7	97516.00
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	251.03	Cum	1320	331359.60
14	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	4.05	Cum	7700	31185.00
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	5.67	Cum	7968	45178.56
16	Providing and laying S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes conforming to IS : 8329 200 mm dia	18	mtr	1947	35046.00
17	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc.(external work)				
18	15 mm dia. nominal bore	18	Mtr	163.55	2943.90
19	25 mm dia. nominal bore	18	Mtr	298.15	5366.70
20	50 mm dia. nominal bore	30	Mtr	559.35	16780.50
21	100 mm dia. nominal bore	50	Mtr	1234.95	61747.50
22	150 mm dia. nominal bore	50	Mtr	2167.65	108382.50
23	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				
24	150 mm dia.	6	No	26720	160320.00
25	200 mm dia	4	No	42300	169200.00

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Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with Back Wash tank, Clarifloculator , Filter House & Flash Mixer at Uranhall WSS.Uranhal under JJM.					
Subject:-					
26	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:				
27	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	69.09	Cum	5399.02	373018.29
28	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	41.2	Cum	4861.84	200307.81
29	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				
30	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	60.14	Cum	7800.76	469137.71
31	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.				
32	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	58.95	Cum	9408.14	554609.85
33	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:				
34	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	58.1	Cum	9849.35	572247.24
35	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.				
36	All works upto plinth level	26.56	Cum	7911.26	210123.07

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Subject:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filter Back Wash tank, Clarifloculator , Filter House & Flash Mixer at Uranhall WSS.Uranhal under JMM.				
37	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-incharge. 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.				
38	All works above plinth level upto floor V level	67.16	Cum	9302.98	624788.14
39	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	37.49	Cum	1074.37	40278.13
40	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 G.I. pipes	369.53	kg	172.9	63891.74
41	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) 2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	6	Point	1215.55	7293.30
42	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)				
43	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	50	mtr	192.05	9602.50
44	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	90	mtr	230	20700.00
45	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.	93.79	Cum	111.87	10492.29
46	Centering and shuttering including strutting, propping etc. and removal of form for:				
47	Foundations, footings, bases of columns etc. for mass concrete.	269.28	sqm	262.3	70632.14
48	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	1097.13	sqm	573.85	629588.05

Subje ct:-	Construction and Back Wash tank, at Uranhall WSS,Ura nhal
49	Suspended floors, roof platforms.
50	Lintel, beams, plinth beam cantilevers.
51	Columns, pillars
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Subject:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with Back Wash tank, Clarifloculator , Filter House & Flash Mixer at Uranhall WSS.Uranhal under JJM.				
49	Suspended floors, roofs, landings, balconies and access platforms.	296.68	sqm	635.6	188569.81
50	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	258.75	sqm	502.85	130112.44
51	Columns, pillars, piers, abutments, posts and struts.	209.44	sqm	680.15	142450.62
52	Stairs (excluding landings) except spiral staircases.	37.69	sqm	807.5	30434.68
53	Edges of slabs and breaks in floors and walls	373.34	Rm	242.3	90460.28
54	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).				
55	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.				
56	200 mm dia. Pipe	26	Joint	3480	90480.00
57	150 mm dia. Pipe	26	Joint	2150	55900.00
58	100 mm dia. Pipe	18	Joint	1520	27360.00
59	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.				
60	200 mm dia. Class 1	4	No	31698	126792.00
61	150 mm dia. Class 1	4	No	20243	80972.00
62	100 mm dia. Class 1	2	No	13164	26328.00
63	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)	1143	kgs	57.9	66179.70
64	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 above plinth level.				
65	Thermo-Mechanically Treated bars of grade Fe-500D or more.	27091	Kg	87.18	2361793.38
66	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):				
67	First class kail wood	1.787	Cum	106894.15	191019.85

  


Subje ct:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration	Con Back at Ura nhal	Con Back at Ura nhal
68	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		
69	First class kail wood (30 mm thick shutter)	50.41	sqm
70	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :		
71	Cement mortar 1:4 ( 1 cement : 4 coarse sand)	53.62	Cum
72	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	53.62	Cum
73	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.		
74	Welded	7704	Kg
75	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 necessary, including the cost of providing and fixing high tensile steel wire of adequate strength confirming to IS:4454 part-I and M.S. top cover of required thickness for rolling shutters		
76	80x1.25 mm M.S. laths with 1.25 mm thick top cover		
77	Providing and fixing ball bearing for rolling shutters.	8.4	sqm
78	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	4	each
79	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	77.76	sqm
80	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:		
81	Makrana White Second quality (16mm)	111.86	sqm
		6175.39	690779.13
82			Extra for stone
83			Extra for rice



**Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with  
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ct:-  
Back Wash tank, Clariflocculator , Filter House & Flash Mixer  
at Uranhall WSS.Uranhall under JMM.**

Subje ct:- Back Wash tank, Clariflocculator , Filter House & Flash Mixer at Uranhall WSS.Uranhall under JMM.	Description	Quantity	Unit	Rate	Total
82 Extra for pre finished nosing to treads of steps of marble stone	13.34	sqm	579.31	7728.00	
83 Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	13.34	sqm	674.13	8992.89	
84 12mm Cement plaster finished with a floating coat of neat cement of mix:					
85 1 : 3 ( 1 cement : 3 fine sand)	234.1	sqm	343.75	80471.88	
86 12mm Cement plaster finished with a floating coat of neat cement of mix:					
87 1 : 4 ( 1 cement : 4 fine sand)	1212.06	sqm	325.45	394464.93	
88 Applying priming coat With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	97.07	sqm	59.5	5775.67	
89 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.	97.07	sqm	121.95	11837.69	
90 Two or more coats on new work					
91 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	472.85	sqm	149.05	70478.29	
92 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.					
93 1 mm thick	472.85	sqm	129.5	61234.08	
94 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.	2371.99	KG	147	348682.53	
95 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					
96 125 mm	16	each	66.35	1061.60	
97 100 mm	36	each	52.3	1882.80	
98 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 :					
99 125x10 mm	16	each	80.35	1285.60	

Subje ct:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration at Uranhall WSS.Uranhall under JJM.	Co at U Prov pointe
100	100x10 mm	72 each 57.35 4125.20
101	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 lippet washers or with G.I. lippet 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.	
102	0.50 mm thick with zinc coating not less than 275 gram/m2	115.08 sqm 830.25 95545.17
103	0.50 mm thick with zinc coating not less than 275 gram/m2	28.8 m 626.7 18048.96
104	Providing and fixing plained eaves boarding. 250x32 mm (nominal size )	44.4 m 693.9 30809.16
105	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	51.33 Sqm 800 41064.00
106	Steel work welded in built up sections/framed work,including cutting, hoisting, fixing in position and structural steel etc. as required. chequered plate wherever required.all complete.	
107	use of chequered plate wherever required.	975.41 kg 114.68 111860.02
108	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1530 kg 146.63 224343.90
109	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	
110	75 mm dia Flocculator drive assembly with crown wheel, pinion sets,	60 m 1420 85200.00
111	reduction gear (40:1) with motors complete job.	
112	1.0 HP	1 No 7300 7300.00
113	Incoming cable, telescopic electric pole with rotary current collector	1 Set 6500 6500.00
114	Supply of 24 watt LED slim Aluiminium pannel surface type complete in all respects	30 No 600 18000.00



Subje ct:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with Back Wash tank, Clarificulator , Filter House & Flash Mixer at Uranhall WSS.Uranhall under JLM.
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115	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)	68	Point	824.55	56069.40
116	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)	15	Point	1300	19500.00
117	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including core cable in surface / recessed medium class PVC providing and fixing 6 pin 5/6A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	10	No.	569.25	5692.50
118	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.	18	No.	228.85	4119.30
119	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.	6	No.	442.75	2656.50
120	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	8	No.	74.75	598.00
121	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete.Confirming to relevant Indian Standards	8	No.	1550	12400.00
122	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	8	No.	417.45	3339.60
123	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	10	No.	1500	15000.00
124	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.	350	m	325	113750.00

Subje ct:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration at Uranhall WSS. Uranhall under J.M.
125	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.
126	30KVA
127	Providing and fitting of:
128	100 Amp 4 pole change over of reputed make.
129	64 Amp-Copper bus bar
130	100 Amp MCCB
131	63 Amp MCCB
132	16 Amp MCCB
133	6 Amp MCCB
134	3-phase indicator points
135	3-phase voltmeter and Ampermeters
136	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).
137	Pumping unit with 2 HP Motor.
138	Starter along with necessary wiring upto motor
139	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)
140	Providing, fitting, testing and commissioning of following items for Flash Mixer:
141	Mixing device with reduction gear system
142	1.0 HP
143	Foundation \ Base plate
144	Starter along with necessary wiring upto motor
145	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit.
146	Mixing device with reduction gear system.
147	3-phase electrically driven motors:
148	1.0 HP
149	Foundation / Base plate
150	Starter along with necessary wiring upto motor
-151	P.V.C outlet, overflow system with fittings upto point of application
152	150mm dia drain out let
153	50 mm dia Service water piping.
154	Constant dosing unit with time device
155	Manually operated hoist

Subje ct:-	Con Ba at U Prov itemns
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<b>Subje ct:-</b>	<b>Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Plant with Back Wash tank, Clariflocculator , Filter House &amp; Flash Mixer at Uranhal WSS.Uranhal under JMM.</b>				
156	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-	1	Set	2500	2500.00
157	Mixing device with reduction gear system.	1	No	4800	4800.00
158	1.0 HP	1	Set	4548	4548.00
159	Foundation / Base plate.	1	Set	4548	530.00
160	P.V.C outlet, overflow system with fittings upto point of application.	1	Lot	530	
161	Starter along with necessary wiring upto motor	1	No	1680	1680.00
162	150 mm dia Drain out let	1	Lot	1350	1350.00
163	50mm dia service water piping	1	Set	1500	530.00
164	Constant dosing unit with time device.				
165	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	2	No	87500	175000.00
166	4.2 KLPM Air blower with 5.0 HP Motor.				
167	Electrical Items: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.	400	Mtr	103.5	41400.00
168	Providing and fitting of pannel board with angle iron support 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.	5	No	4250	21250.00
169	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.				
170	Pumping unit with 5.0 HP Motor.	2	Set	20268	40536.00
171	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	254	sqm	188.8	47955.20
172	On steel work	2	Set	4800	9600.00
173	Central axle turn table with double bearing and guide for incoming cable.				

Subje ct:-	Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration at Uranhall WSS Uranhall under JMW.				
Subje ct:-	Constr uct Back W at Urana ll WSS Urana ll under JMW.				
174	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				
175	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				
176	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.				
177	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.				
178	4 mm thick glass pane (weighing not less than 10 kg/sqm)	12.06	sqm	1768.05	21322.68
179	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.)	17.59	Sqm	925	16270.75
180	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	500	kg	552.64	276320.00
181	Carriage of material from source to dumping site at road by Mechanical transport.				
182	Cement Steel 20 Km				
183	Steel ,CGI sheets for avg 20 km	137.26	Mt	357.66	49092.41
184	Sand Avg. lead 40 Km	40.68	Mt	357.66	14549.61
185	20mm Aggregate lead of 30 Km	205.4	Cum	601.08	123461.83
186	40mm Aggregate lead of 30 Km	306	Cum	501.68	153514.08
187	Brick for average lead of 25 KM	37.08	Cum	544.9	20204.89
188	Disposal of earth outside premises avg lead 3Kms	25469	No	1.21	30817.49
	Total	490.77	Cum	215.74	105878.72
	Deduct 0.52 % of all items of work				
	Total Amount	14370900.49		75119.50	

Terms & Conditions

Head Draftsman

Technical Officer

Executive Engineer  
PHE, Divisional Officer, Jharkhand

**Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Back Wash tank, Clariflocculator , Filter House & Flash Mixer at Uranhall WSS.Uranhal under JJM.**

<b>Subje ct:-</b>	<b>Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Back Wash tank, Clariflocculator , Filter House &amp; Flash Mixer at Uranhall WSS.Uranhal under JJM.</b>
<b>1</b>	The cost of work should in no case exceed beyond <b>Rs.143.70 Lacs Rupees One Crore</b> <del>Rs.143.70 Lacs Rupees One Crore</del> <b>three lac and Seventy thousand only</b>
<b>2</b>	The work shall have to be completed within a period of 150 days from the date of issuance of this allotment order failing which penalty upto 10% of the total value of contract shall be imposed upon you.
<b>3</b>	The earnest money @ 3% in the shape of BG/CDR vide _____ submitted by the Contractor vide shall be released after successfully completion of the work /DLP period as per the terms and conditions of SBD.
<b>4</b>	You have to attend the Divisional Office along with your enlistment card for draw of agreement within three days from the date of issuance of this allotment order. However non drawl of agreement will not prevent the contract from being enforced upon you.
<b>5</b>	Defects Liability Period (DLP):The defects Liability period shall be for a period of 12 Months which shall commence after the successful completion of Trial run, during the defects Liability period (DLP) the firm shall have to operate & maintain the scheme as it is required for its successful running & as per Standard Engineering Practices, to the full satisfaction of the department. The bidder shall be responsible to make good & remedy at his own expense any defect in works which is noticed during the DLP. In case any defect remains unattended by the firm at the completion of DLP, the department may extend the DLP for such time as deemed fit for getting the defect rectified subject to a maximum ceiling of 6 Months.
<b>6</b>	Trial Run: After testing and commissioning of work, the bidder will have to make a trial run of the work for a period of 03 months during which the bidder will have to operate and maintain the executed work to the full satisfaction of the Department.
<b>7</b>	Terms of Payment:Payment shall be released as per actual/measured work done not less than 20% of the allotted cost on a monthly basis.
<b>8</b>	Bidder Dying, Becoming Insolvent Or Imprisoned:In the event of the death or insanity or insolvency or imprisonment of the bidder or where the bidder being a partnership or firm becomes dissolved or being corporation goes into liquidation, voluntary or otherwise, the contract may, in the option of the Engineer-in-charge, be terminated by notice in writing posted at the site of the works
<b>9</b>	Suspension of Supply by the Bidder: In case of the firm agency failing to execute the job, the department has the right to get the work executed through some other firm/agency or of its own at the risk and cost of the defaulters.
<b>10</b>	Safety of Govt. Infrastructures:The bidder should ensure the safety of the water supply lines, sewer lines, telephone cables, power cables, storm water drains etc., pipe laying alignment and, if any damage occurs during execution it should be attended immediately at the cost of the bidder. Failing to attend immediately, the same will be got done by the Department at the risk and cost of the bidder.
<b>11</b>	Bidder's risk and insurance: All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract are the responsibility of the Bidder.
<b>12</b>	Work Under Bidders Charge:From the commencement of the work to the completion thereof the same shall be under the bidders charge. The bidder shall be held responsible for and make good any loss or injuries by fire or other causes / theft and shall hold the Government harmless for any claims for injuries to persons or damage to property happening from any neglect, default, want of proper care and misconduct on the part of the bidder, or any of his employees, during the execution of work. The bidder shall be responsible for the compensation if any, to labour under the existing labour laws of the country
<b>13</b>	Bidder to Maintain Site Office:The bidder shall provide and maintain, at his own cost a suitable site office at the site of Work to which the Department may send communications/ instructions.
<b>14</b>	Claims to be put in writing: The Department shall not be liable to the Bidder for any matter or thing arising out of or in connection with the contract or the execution, completion and maintenance of the work unless the bidder puts a claim in writing in respect thereof before getting the certificate of final completion.
<b>15</b>	Agreement:As soon as letter of award is communicated to the firm, the contract shall be complete and binding upon them, the bidder/firm shall also be required to execute an agreement with the competent authority within seven days from the date of issue of letter of award. Failure to execute such an agreement in time shall not however, prevent this contract from being enforced against the firm and the date of delivery of the material/ completion of works shall be reckoned from the date of issue of the letter of award in favour of successful firm.

**Subje  
ct:-** Construction and successful testing and commissioning of 0.16 MGD Rapid Sand Filtration Back Wash tank, Clarifloculator, Filter House & Flash Mixer at Uranhall WSS.Uranhall under JMM.

- 16** The total amount reflected at the end of BOQ is not the estimated cost. Instead the tentative cost of RSFP has been reflected at the start of BOQ. The bidder is supposed to quote the percentage appreciation/depreciation with care as that will apply for all the items of BOQ. Bidders are advised to check the exact location and particulars of the RSFP they are bidding for, from the concerned Divisions before having to ascertain the working conditions. The foundation type and other parameters is subjected to actual bearing capacity at site which the bidder may consider in bidding as per the terms and conditions laid down in the SBD.
- 17** **False information:**  
Any tenderer found to have been participating by furnishing false information to the department, the tender shall be liable for cancellation and such bidder(s) shall be invoked as and when it comes to the notice of the department even during the execution of the contract.
- 18** All other terms and conditions as laid down in form No.25 of P.W.D. shall remain in force and binding on successful tenderer.

**Copy to the :-**

- 1 Chief Engineer Kmr PHE Department Srinagar for favour of information please.
- 2 District Dev.Commissioner Anantnag for favour of information please
- 3 Superintending Engineer Hyd. Circle Bijbehara for favour of information
- 4 Assistant Executive Engineer PHE Sub-Division Anantnag for information & necessary action. He will ensure the completion of work within the stipulated time period and strictly in accordance with approved proposals, besides the amount of work does not exceed beyond the provision of allotment in any case for which he shall be personally responsible.
- 5 File Concerned

  
JSO PHE Division Bijbehara