

Office of the Executive Engineer (JSD) P.H.E Division Awantipora

E-Mail ID: phedivisionawantipora@gmail.com

No.PHA/ 6088-6092
Dated: 31-12-2022

Mohd Wani ✓
Mohd Wani
Jgampora
: 26/RTIC/2001-02
01AANPW3311K1ZP
: AANPW311-K

1. Allotment for construction and successful testing and commissioning of 0.12 MGD RSFP at (cost includes, PST, clarifloculator, flush Mixer, filter house and wash water Disposable chamber WSS Bonibagh Lelhar

2. Your tender in response to this office E-NIT No.132 of 2021-22 dated:- 08.03.2022 issued under endorsement No.CE/PHE/Kmr/JSD/44105-56 dated:- 08.03.2022 and uploaded on tender portal with tender ID from 2022_PHE_163566_1 to 271 read with Minutes of Pre-bid meeting and Corrigendum No. I & II
3. UT level committee meeting held on 01.6.2022 under the chairmanship of Development Commissioner Works PW (R&B)
4. Minutes of meeting DJJM Pulwama held on 14.6.2022
5. Accord of Administrative Approval No. SE/Hyd/Spn/DB/24 of 2021-22 dated:- 15.6.2022
6. Tech. Sanction No. CE/PHE/DB/622 of 09/2022 dated:- 15.09.2022
7. Superintending Engineer Hydrl Circle Pulwama H.Q Shopian's letter No. SE/Hyd/Spn/DB/5719-20 dated:- 6.12.2022
8. Chief Engineer Kmr, Jal Shakti (PHE) Deptt. Srinagar's No. CE/PHE/MC/DB/34528-29 dated:- 12.12-2022 (within 10% approved escalation over the DAP Cost of the scheme)

For on behalf of lieutenant Governor of Union Territory of Jammu & Kashmir, contract for above mentioned work is hereby fixed with you at the following quoted rates, terms conditions .

Advertised Cost:-Rs 134.75 lacs

Alloted Cost(A+B+C+D+E):- Rs 135.85 lacs

(Rupees one crore thirty five lacs and eighty five thousand) only

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

S.No.	Particulars of items	Unit	Qty	Alloted Rate	Amount	
					in figures	in Words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	700.000	11.360	7952.000	Rupees seven thousand nine hundred and fifty two only
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0.000	
3	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.				0.000	
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0.000	
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0.000	
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0.000	
3.4	Above 240 cm girth	each		14214.350	0.000	
4	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	105.530	188.750	19918.788	Rupees Nineten thousand nine hundred eighteen paisa seventy nine only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0.000	

*Received
allotted in mgd
10/11/23*

*Received &
Rates accepted*

*# 4111
14*

Part A (Rapid sand Filtration Plant) Bonibagh lehar

5.1	All kinds of soil :	Cum		81.650	0.000	
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	Cum			0.000	
6.1	All kinds of soil :	Cum	105.530	539.350	56917.606	Rupees fifty nine hundred and nine paise sixty only
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:				0.000	
7.1	1 meter from cutting edge	Cum		436.000	0.000	
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0.000	
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0.000	
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 excavated earth as directed, within a lead of 50 metres:					
8.1	All kinds of soil :	Cum	0.000	252.050	0.000	
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL	0.000	155.550	0.000	
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0.000	
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0.000	
11	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		198.700	0.000	
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0.000	
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum	0.000	272.450	0.000	
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	54.530	1320.000	71979.600	Rupees sseventy one thousand nine hundred seventy nine paise sixty only
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	Cum	2.970	7700.000	22869.000	Rupees twenty two thousand eight hundred sixty nine only
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum	4.950	7968.000	39441.600	Rupees thirty nine thousand four hundred forty one paise sixty only

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Part A(Rapid sand Filtration Plant) Bonibagh lelhar

Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm	0.000	2193.900	0.000	0
supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum	6.950	787.400	5472.430	Rupees Five Thousand Four Hundred SeventyTwo Paise FourtyThree Only
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:				0.000	0
1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	6.160	6434.010	39633.502	Rupees ThirtyNine Thousand Six Hundred ThirtyThree Paise Fifty Only
1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	12.430	5399.020	67109.819	Rupees SixtySeven Thousand One Hundred Nine Paise EightyTwo Only
1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	6.000	4861.840	29171.040	Rupees TwentyNine Thousand One Hundred SeventyOne Paise Four Only
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				0.000	0
9.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	7800.760	0.000	0
20 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.				0.000	0
20.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	10.440	9408.140	98220.982	Rupees NinetyEight Thousand Two Hundred Twenty Paise NinetyEight Only
21 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:				0.000	0
21.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	23.230	9849.350	228800.401	Rupees Two Lakh TwentyEight Thousand Eight Hundred Paise Fourty Only
22 Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0.000	0
22.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	9036.390	0.000	0
23 Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0.000	0
23.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	10404.520	0.000	0

Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0.000	
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	9600.640	0.000	
25	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.				0.000	
25.1	All works upto plinth level	Cum	19.400	7911.260	153478.444	Rupees One Lakh FiftyThree Thousand Four Hundred SeventyEight Paise FortyFour Only
25.2	All works above plinth level upto floor V level	Cum	22.050	9302.980	205130.709	Rupees Two Lakh Five Thousand One Hundred Thirty Paise SeventyOne Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	22.050	111.870	2466.734	Rupees Two Thousand Four Hundred SixtySix Paise SeventyThree Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum	0.000	309.050	0.000	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal	25.580	1074.370	27482.385	Rupees TwentySeven Thousand Four Hundred EightyTwo Paise ThirtyEight Only
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0.000	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	10.870	262.300	2851.201	Rupees Two Thousand Eight Hundred FiftyOne Paise Twenty Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	227.780	573.850	130711.553	Rupees One Lakh Thirty Thousand Seven Hundred Eleven Paise FiftyFive Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	97.870	635.600	62206.172	Rupees SixtyTwo Thousand Two Hundred Six Paise Seventeen Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	116.220	502.850	58441.227	Rupees FiftyEight Thousand Four Hundred FortyOne Paise TwentyThree Only
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm	119.280	680.150	81128.292	Rupees EightyOne Thousand One Hundred TwentyEight Paise TwentyNine Only
29.06	Stairs (excluding landings) except spiral staircases.	sqm	23.700	807.500	19137.750	Rupees Nineteen Thousand One Hundred ThirtySeven Paise SeventyFive Only
29.07	Spiral staircases (including landings)	sqm	0.000	619.800	0.000	0

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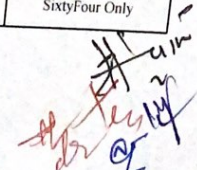
Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

es, domes, vaults upto 6 m span	sqm	0.000	2086.800	0.000	0
a for arches, domes, vaults exceeding 6 m span	sqm	0.000	1008.450	0.000	0
nney and shafts	sqm	0.000	573.850	0.000	0
a for shuttering in circular work (20% of respective tering and Shuttering items)	sqm	0.000	0.200	0.000	0
ges of slabs and breaks in floors and walls	RM	101.620	242.300	24622.526	Rupees TwentyFour Thousand Six Hundred TwentyTwo Paise FiftyThree Only
tra for additional height in centering, shuttering where er required with adequate bracing, propping etc. including ost of de-shuttering and de-centering at all levels, over a eight of 3.5 m, for every additional height of 1 meter or part hereof (Plan area to be measured).				0.000	0
Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm	0.000	267.600	0.000	0
Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	176.400	57.900	10213.560	Rupees Ten Thousand Two Hundred Thirteen Paise FiftySix Only
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.				0.000	0
1 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	7813.960	87.180	681221.033	Rupees Six Lakh EightyOne Thousand Two Hundred TwentyOne Paise Three Only
.2 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.				0.000	0
i.3 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	0.000	87.180	0.000	0
32 Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0.000	0
32.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	28.030	7476.380	209562.931	Rupees Two Lakh Nine Thousand Five Hundred SixtyTwo Paise NinetyThree Only
32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.000	7111.310	0.000	0
33 Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum	28.030	1522.200	42667.266	Rupees FourtyTwo Thousand Six Hundred SixtySeven Paise TwentySeven Only
34 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):				0.000	0
34.1 First class kail wood	Cum	1.210	106894.150	129341.922	Rupees One Lakh TwentyNine Thousand Three Hundred FourtyOne Paise NinetyTwo Only
35 Pre-laminated particle board with decorative lamination on both sides,Grade I, Type II IS : 12823 marked	sqm	0.000	1931.200	0.000	0



Part A(Rapid sand Filtration Plant) Bonibagh lelhar

36	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.				0.000	
36.1	First class kail wood (30 mm thick shutter)	Sqm	33.920	2784.100	94436.672	Rupee: Thousand Thirty SixtyS
36.2	Second kail wood (30 mm thick shutter)	mm/sqm	0.000	2489.750	0.000	
37	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.				0.000	
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm	0.000	925.000	0.000	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm	0.000	1274.050	0.000	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm	0.000	1768.050	0.000	0
38	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.				0.000	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm	0.000	4352.950	0.000	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm	0.000	4189.600	0.000	0
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0.000	0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg	937.500	114.680	107512.500	Rupees One Lakh Seve Thousand Five Hundrec Twelve Paise Fifty Only
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	0.000	146.630	0.000	0
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.				0.000	0
40.1	M.S. tube	Kg	45.000	172.900	7780.500	Rupees Seven Thousand Seven Hundred Eighty Paise Fifty Only
40.2	E.R.W. tubes	Kg	0.000	166.050	0.000	0
40.3	G.I. pipes	Kg	0.000	174.250	0.000	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	0.000	91.030	0.000	0
42	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.				0.000	0
42.1	Riveted and bolted	Kg	0.000	105.770	0.000	0
42.2	Welded	Kg	6222.260	102.140	635541.636	Rupees Six Lakh ThirtyFive Thousand Five Hundred FourtyOne Paise SixtyFour Only



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Part A (Rapid sand Filtration Plant) Bonibagh Ielhar

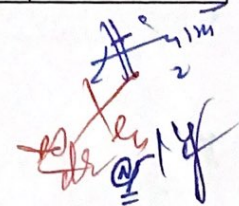
	ying and fixing rolling shutters of approved make, made required size M.S. laths, interlocked together through their length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side rails and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate length confirming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters				0.000	0
	10x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	3.490	3238.200	11301.318	Rupees Eleven Thousand Three Hundred One Paise ThirtyTwo Only
	Providing and fixing ball bearing for rolling shutters.	each	2.000	483.100	966.200	Rupees Nine Hundred SixtySix Paise Twenty Only
	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.				0.000	0
1	40mm thick with 20 mm nominal size stone aggregate.	sqm	0.000	461.850	0.000	0
2	50 mm thick with 20mm nominal size stone aggregate.	sqm	0.000	505.000	0.000	0
5	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				0.000	0
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	111.020	1210.660	134407.473	Rupees One Lakh ThirtyFour Thousand Four Hundred Seven Paise FourtySeven Only
46	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:				0.000	0
46.1	Makrana White Second quality (16mm)	sqm	104.090	6175.390	642796.345	Rupees Six Lakh FortyTwo Thousand Seven Hundred NinetySix Paise ThirtyFive Only
46.2	Extra for pre finished nosing to treads of steps of marble stone	mtr	5.000	579.310	2896.550	Rupees Two Thousand Eight Hundred NinetySix Paise FiftyFive Only
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm	0.000	674.130	0.000	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0.000	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	633.740	343.750	217848.125	Rupees Two Lakh Seventeen Thousand Eight Hundred FourtyEight Paise Thirteen Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm	0.000	325.450	0.000	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm	0.000	221.500	0.000	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0.000	0

Part A(Rapid sand Filtration Plant) Bonibagh lehar

49.1	1 : 4 (1 cement : 4 fine sand)	sqm	0.000	300.450	0.000	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm	0.000	278.600	0.000	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm	0.000	183.550	0.000	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm	174.560	91.800	16024.608	Rupees Sixteen Thousand TwentyFour Paise SixtyOne Only
52	Applying priming coat:				0.000	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	86.270	59.500	5133.065	Rupees Five Thousand One Hundred Thirty Three Paise Seven
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm	0.000	60.400	0.000	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	0.000	52.750	0.000	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	0.000	28.900	0.000	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0.000	0
53.1	Two or more coats on new work	sqm	86.270	121.950	10520.627	Rupees Ten Thousand Five Hundred Twenty Paise SixtyThree Only
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	80.350	179.800	14446.930	Rupees Fourteen Thousand Four Hundred FourtySix Paise NinetyThree Only
54	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				0.000	0
54.1	On steel work	sqm	0.000	188.800	0.000	0
54.2	On concrete work	sqm	0.000	183.430	0.000	0
55	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm	0.000	115.450	0.000	0
56	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer.	sqm	214.370	149.050	31951.849	Rupees ThirtyOne Thousand Nine Hundred FiftyOne Paise EightyFive Only
57	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				0.000	0
57.1	125 mm	each	0.000	66.350	0.000	0
57.2	100 mm	each	35.000	52.300	1830.500	Rupees One Thousand Eight Hundred Thirty Paise Fifty Only
58	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 :				0.000	0
58.1	150x10 mm	each	0.000	80.350	0.000	0
58.2	100x10 mm	each	35.000	57.350	2007.250	Rupees Two Thousand Seven Paise TwentyFive Only

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

59	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.				0.000	0
	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm	135.320	830.250	112349.430	Rupees One Lakh Twelve Thousand Three Hundred FortyNine Paise FourThree Only
60	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				0.000	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m2	m	0.000	762.450	0.000	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m2	m	70.000	691.350	48394.500	Rupees FourtyEight Thousand Three Hundred NinetyFour Paise Fifty Only
60.3	0.50 mm thick with zinc coating not less than 275 gram/m2	m	0.000	626.700	0.000	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0.000	0
61.1	250x32 mm (nominal size)	m	0.000	693.900	0.000	0
61.2	300x40 mm (nominal size)	m	0.000	998.850	0.000	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	65.000	600.000	39000.000	Rupees ThirtyNine Thousand Only
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0.000	0
63.1	250x32 mm (nominal size)	m	0.000	693.900	0.000	0
63.2	300x40 mm (nominal size)	m	0.000	998.850	0.000	0
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	0.000	600.000	0.000	0
65	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.				0.000	0
65.1	1 mm thick	sqm	0.000	129.500	0.000	0
65.2	2 mm thick	sqm	0.000	172.400	0.000	0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				0.000	0
66.01	15 mm dia. nominal bore	m	0.000	163.550	0.000	0
66.02	20 mm dia. nominal bore	m	0.000	204.450	0.000	0
66.03	25 mm dia. nominal bore	m	0.000	298.150	0.000	0
66.04	32 mm dia. nominal bore	m	0.000	360.900	0.000	0
66.05	40 mm dia. nominal bore	m	0.000	418.800	0.000	0
66.06	50 mm dia. nominal bore	m	0.000	559.350	0.000	0
66.07	65 mm dia. nominal bore	m	0.000	711.700	0.000	0
66.08	80 mm dia. nominal bore	m	0.000	840.000	0.000	0
66.09	100 mm dia. nominal bore	m	0.000	1234.950	0.000	0



Part A(Rapid sand Filtration Plant) Bonibagh lelhar

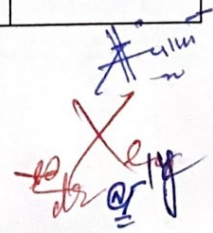
66.1	150 mm dia. nominal bore	m	200.000	2167.650	433530.000	Rupees Four Lakh ThirtyThree Thousand Five Hundred Thirty Onl
67	Providing and fixing D.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				0.000	0
67.1	80 mm dia. Class 1	Each	0.000	10815.000	0.000	0
67.2	100 mm dia. Class 1	Each	0.000	13164.000	0.000	0
67.3	125 mm dia. Class 1	Each	0.000	15961.000	0.000	0
67.4	150 mm dia. Class 1	Each	0.000	20243.000	0.000	0
67.5	200 mm dia. Class 1	Each	0.000	31698.000	0.000	0
67.6	250 mm dia. Class 1	Each	0.000	50356.000	0.000	0
67.7	300 mm dia. Class 1	Each	0.000	62066.000	0.000	0
67.8	350 mm dia. Class 1	Each	0.000	147031.000	0.000	0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0.000	0
69.1	Up to 300 mm dia.	Quintal	0.000	7823.700	0.000	0
69.2	Over 300 mm dia.	Quintal	0.000	8225.100	0.000	0
70	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				0.000	0
70.1	80 mm dia. pipe	Joint	0.000	1100.000	0.000	0
70.2	100 mm dia. pipe	Joint	0.000	1520.000	0.000	0
70.3	125 mm dia. pipe	Joint	0.000	1855.000	0.000	0
70.4	150 mm dia. pipe	Joint	45.000	2150.000	96750.000	Rupees NinetySix Thousand Seven Hundred Fifty Only
70.5	200 mm dia. pipe	Joint	0.000	3480.000	0.000	0
70.6	250 mm dia. pipe	Joint	0.000	5030.000	0.000	0
70.7	300 mm dia. pipe	Joint	0.000	7710.000	0.000	0
70.8	350 mm dia. Pipe	Joint	0.000	9635.000	0.000	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0.000	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m	0.000	281.850	0.000	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m	0.000	228.300	0.000	0
71.3	Kickers (320mm wide, 5mm thick)	m	0.000	261.750	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

Rupees Four Lakh
ThirtyThree Thousand
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	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the approval of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m	0.000	547.600	0.000	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm	0.000	800.000	0.000	0
73.01	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.)	kg	180.0000	449.850	80973.000	Rupees Eighty Thousand Nine Hundred SeventyThree Only
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	1.000	459.310	459.310	Rupees Four Hundred FiftyNine Paise ThirtyOne Only
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg	0.000	494.840	0.000	0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg	0.000	504.130	0.000	0
73.05	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.)	kg	170.0000	535.350	91009.500	Rupees NinetyOne Thousand Nine Paise Fifty Only
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	0.000	552.640	0.000	0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg	0.000	588.890	0.000	0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg	0.000	598.350	0.000	0
74	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.)	sqm	36.1600	974.700	35245.152	Rupees ThirtyFive Thousand Two Hundred FourtyFive Paise Fifteen Only
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm	0.000	1072.170	0.000	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm	0.000	1395.960	0.000	0



Part A(Rapid sand Filtration Plant) Bonibagh Ichhar

74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm	0.000	1807.140	0.000	0
75	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				0.000	0
75.1	50 mm dia	m	0.000	530.000	0.000	0
75.2	62.5 mm dia	m	0.000	1110.000	0.000	0
75.3	75 mm dia	m	0.000	1420.000	0.000	0
75.4	100 mm dia	m	0.000	1990.000	0.000	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0.000	0
76.1	3 km	Cum	0.000	172.590	0.000	0
76.2	4 km	Cum	0.000	189.750	0.000	0
76.3	5 Km	Cum	81.460	206.280	16803.569	Rupees Sixteen Thousand Eight Hundred Three Paise FiftySeven Only
76.4	Beyond 5 km upto 10 km per km	Cum	0.000	14.920	0.000	0
76.5	Beyond 10 km upto 20 km per km	Cum	0.000	12.140	0.000	0
76.6	Beyond 20 km per additional km	Cum	0.000	9.940	0.000	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0.000	0
77.1	3 km	Cum	0.000	172.590	0.000	0
77.2	4 km	Cum	0.000	189.750	0.000	0
77.3	5 km	Cum	99.340	206.280	20491.855	Rupees Twenty Thousand Four Hundred NinetyOne Paise EightySix Only
77.4	Beyond 5 km upto 10 km per km	Cum	99.340	74.600	7410.764	Rupees Seven Thousand Four Hundred Ten Paise SeventySix Only
77.5	Beyond 10 km upto 20 km per km	Cum	0.000	12.140	0.000	0
77.6	Beyond 20 km per additional km	Cum	0.000	9.940	0.000	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0.000	0
78.1	3 km	Cum	0.000	187.600	0.000	0
78.2	4 km	Cum	0.000	206.250	0.000	0
78.3	5 Km	Cum	5.400	224.200	1210.680	Rupees One Thousand Two Hundred Ten Paise SixtyEight Only
78.4	Beyond 5 km upto 10 km per km	Cum	5.400	81.100	437.940	Rupees Four Hundred ThirtySeven Paise NinetyFour Only
78.5	Beyond 10 km upto 20 km per km	Cum	0.000	13.200	0.000	0
78.6	Beyond 20 km per additional km	Cum	0.000	10.760	0.000	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0.000	0
	3 km	Cum	0.000	203.060	0.000	0
	4 km	Cum	0.000	223.240	0.000	0
	5 Km	Cum	0.000	242.670	0.000	0
	Beyond 5 km upto 10 km per km	Cum	0.000	17.550	0.000	0
	Beyond 10 km upto 20 km per km	Cum	0.000	14.280	0.000	0

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Carriage of loading, unloading, stacking of materials	
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Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

5	Beyond 20 km per additional km	Cum	0.000	11.700	0.000	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0.000	0
80.1	3 km	Tonne	0.000	153.420	0.000	0
80.2	4 km	Tonne	0.000	168.670	0.000	0
80.3	5 Km	Tonne	16.200	183.360	2970.432	Rupees Two Thousand Nine Hundred Seventy Paise FourtyThree Only
80.4	Beyond 5 km upto 10 km per km	Tonne	0.000	13.260	0.000	0
80.5	Beyond 10 km upto 20 km per km	Tonne	0.000	10.800	0.000	0
80.6	Beyond 20 km per additional km	Tonne	0.000	8.830	0.000	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0.000	0
81.1	3 km	Cum	0.000	215.740	0.000	0
81.2	4 km	Cum	0.000	237.190	0.000	0
81.3	5 Km	Cum	0.000	257.840	0.000	0
81.4	Beyond 5 km upto 10 km per km	Cum	0.000	18.640	0.000	0
81.5	Beyond 10 km upto 20 km per km	Cum	0.000	15.180	0.000	0
81.6	Beyond 20 km per additional km	Cum	0.000	12.420	0.000	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0.000	0
82.1	3 km	Tonne	0.000	153.420	0.000	0
82.2	4 km	Tonne	0.000	168.670	0.000	0
82.3	5 Km	mt	45.200	183.360	8287.872	Rupees Eight Thousand Two Hundred EightySeven Paise EightySeven Only
82.4	Beyond 5 km upto 10 km per km	Tonne	0.000	13.260	0.000	0
82.5	Beyond 10 km upto 20 km per km	Tonne	0.000	10.800	0.000	0
82.6	Beyond 20 km per additional km	Tonne	0.000	8.830	0.000	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: (15 km avg.)				0.000	0
83.1	3 km	per 1000	0.000	0.400	0.000	0
83.2	4 km	per 1000	0.000	0.440	0.000	0
83.3	5 Km	per 1000	11259.000	0.478	5381.802	Rupees Five Thousand Three Hundred EightyOne Paise Eighty Only
83.4	Beyond 5 km upto 10 km per km	per 1000	11259.000	0.172	1936.548	Rupees One Thousand Nine Hundred ThirtySix Paise FiftyFive Only
83.5	Beyond 10 km upto 20 km per km	per 1000	11259.000	0.140	1576.260	Rupees One Thousand Five Hundred SeventySix Paise TwentySix Only
83.6	Beyond 20 km per additional km	per 1000			0.000	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0.000	0
84.1	3 km	Cum	0.000	197.248	0.000	0
84.2	4 km	Cum	0.000	216.856	0.000	0
84.3	5 Km	Cum	0.000	235.739	0.000	0
84.4	Beyond 5 km upto 10 km per km	Cum	0.000	17.043	0.000	0
84.5	Beyond 10 km upto 20 km per km	Cum	0.000	13.881	0.000	0
84.6	Beyond 20 km per additional km	Cum	0.000	11.362	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh lehar

					0.000	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)	Cum	0.000	209.900	0.000	0
85.1	Ist 50m	Cum	0.000	45.700	0.000	0
85.2	Beyond Ist 50m				0.000	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm	Cum	0.000	209.900	0.000	0
86.1	Ist 50m	Cum	0.000	45.700	0.000	0
86.2	Beyond Ist 50m				0.000	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above	Cum	0.000	226.920	0.000	0
87.1	Ist 50m	Cum	0.000	49.400	0.000	0
87.2	Beyond Ist 50m				0.000	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling	Cum	0.000	246.940	0.000	0
88.1	Ist 50m	Cum	0.000	53.760	0.000	0
88.2	Beyond Ist 50m				0.000	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets					0
89.1	Ist 50m	Tonne	0.000	261.100	0.000	0
89.2	Beyond Ist 50m	Tonne	0.000	38.320	0.000	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth					0
90.1	Ist 50m	Cum	0.000	209.900	0.000	0
90.2	Beyond Ist 50m	Cum	0.000	45.700	0.000	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0.000	0
91.1	Ist 50m	Tonne	0.000	121.570	0.000	0
91.2	Beyond Ist 50m	Tonne	0.000	17.840	0.000	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0.000	0
2.1	Ist 50m	per 1000	0.000	391.817	0.000	0
2.2	Beyond Ist 50m	per 1000	0.000	85.307	0.000	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0.000	0
1	Ist 50m	Cum	0.000	167.854	0.000	0
2	Beyond Ist 50m	Cum	0.000	24.633	0.000	0
	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.	mtr	60.000	103.500	6210.000	Rupees Six Thousand Two Hundred Ten Only
	Providing and carrying out wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl. cost of conduit)	Point	20.000	824.550	16491.000	Rupees Sixteen Thousand Four Hundred NinetyOne Only

Part A(Rapid sand Filtration Plant) Bonibagh lehar

	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point	1.000	1215.550	1215.550		Rupees One Thousand Two Hundred Fifteen Paise FiftyFive Only
97	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	10.000	1300.000	13000.000		Rupees Thirteen Thousand Only
97.1	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)	mtr	100.0000	300.000	30000.000		Rupees Thirty Thousand Only
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m	0.000	192.050	0.000	0	
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m	0.000	230.000	0.000	0	
98	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.	0.000	569.250	0.000	0	
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.	0.000	393.300	0.000	0	
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.	0.000	228.850	0.000	0	
101	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.	0.000	442.750	0.000	0	
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	No.	0.000	74.750	0.000	0	
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.	0.000	600.000	0.000	0	
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.	4.000	2125.000	8500.000		Rupees Eight Thousand Five Hundred Only
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.	5.000	1550.000	7750.000		Rupees Seven Thousand Seven Hundred Fifty Only
106	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.	0.000	193.200	0.000	0	
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.	0.000	196.650	0.000	0	
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.	0.000	417.450	0.000	0	

Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

109	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.	0.000	2360.950	0.000	0
110	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	No.	8.000	1500.000	12000.000	Rupees Twelve Thousand Only
111	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	50.000	325.000	16250.000	Rupees Sixteen Thousand Two Hundred Fifty Only
112	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				0.000	0
112.1	10 KVA	Job	0.000	27000.000	0.000	0
112.2	20 KVA	Job	0.000	37000.000	0.000	0
112.3	25 KVA	Job	1.000	42000.000	42000.000	Rupees FourtyTwo Thousand Only
112.4	30 KVA	Job	0.000	47000.000	0.000	0
112.5	40 KVA	Job	0.000	57000.000	0.000	0
112.6	50 KVA	Job	0.000	67000.000	0.000	0
113	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	1.000	4250.000	4250.000	Rupees Four Thousand Two Hundred Fifty Only
114	Providing and fitting of:				0.000	0
114.01	200 Amp. 4 pole Change over of reputed make	No	1.000	11200.000	11200.000	Rupees Eleven Thousand Two Hundred Only
114.02	100 Amp 4 pole change over of reputed make.	No	0.000	7598.000	0.000	0
114.03	64 Amp. 4 pole Change over of reputed make	No	0.000	5000.000	0.000	0
114.04	32 Amp. 4 pole Change over of reputed make	No	0.000	2500.000	0.000	0
114.05	200 Amp 3-phase copper bus bar	No	1.000	7500.000	7500.000	Rupees Seven Thousand Five Hundred Only
114.06	100 Amp-Copper bus bar	No	0.000	4550.000	0.000	0
114.07	64 Amp-Copper bus bar	No	0.000	3750.000	0.000	0
114.08	32 Amp-Copper bus bar	No	0.000	2850.000	0.000	0
114.09	100 Amp MCCB	No	2.000	3300.000	6600.000	Rupees Six Thousand Six Hundred Only
114.1	63 Amp MCCB	No	2.000	2700.000	5400.000	Rupees Five Thousand Four Hundred Only
114.11	40 Amp MCCB	No	0.000	2100.000	0.000	0
114.12	16 Amp MCCB	No	0.000	1250.000	0.000	0
114.13	6 Amp MCCB	No	0.000	630.000	0.000	0
114.14	3-phase indicator points	No	4.000	445.000	1780.000	Rupees One Thousand Seven Hundred Eighty
114.15	3-phase voltmeter and Amperemeters	No	2.000	1190.000	2380.000	Rupees Two Thousand Three Hundred Eighty Only
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0.000	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

	Mechanical Items: 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				0.000		0
118.1	50 mm dia	m	0.000	530.000	0.000		0
118.2	62.5 mm dia	m	0.000	1110.000	0.000		0
118.3	75 mm dia	m	80.000	1420.000	113600.000		Rupees One Lakh Thirteen Thousand Six Hundred Only
118.4	100 mm dia	m	0.000	1990.000	0.000		0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0.000		0
118	Mixing device with reduction gear system				0.000		0
118.1	3-phase Electrically driven motor:				0.000		0
118.2	0.5 HP	No	0.000	2800.000	0.000		0
118.3	0.75 HP	No	0.000	3400.000	0.000		0
118.4	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only
118.5	Foundation \ Base plate	Set	1.000	4548.000	4548.000		Rupees Four Thousand Five Hundred Forty Eight Only
118.6	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000		Rupees One Thousand Six Hundred Eighty Only
119	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit-				0.000		0
119.01	Mixing device with reduction gear system.	Set	1.000	2500.000	2500.000		Rupees Two Thousand Five Hundred Only
119.02	3-phase electrically driven motors:				0.000		0
119.03	0.5 HP	No	0.000	2800.000	0.000		0
119.04	0.75 HP	No	0.000	0	0.000		0
119.05	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only
119.06	Foundation / Base plate	Set	1.000	4548.000	4548.000		Rupees Four Thousand Five Hundred Forty Eight Only
119.07	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000		Rupees One Thousand Six Hundred Eighty Only
119.08	P.V.C outlet, overflow system with fittings upto point of application	mtr	15.000	530.000	7950.000		Rupees Seven Thousand Nine Hundred Fifty Only
119.09	150mm dia drain out let	mtr	15.000	1350.000	20250.000		Rupees Twenty Thousand Two Hundred Fifty Only
119.1	50 mm dia Service water piping.	mtr	30.000	530.000	15900.000		Rupees Fifteen Thousand Nine Hundred Only
119.11	Constant dosing unit with time device	Set	1.000	1500.000	1500.000		Rupees One Thousand Five Hundred Only
119.12	Manually operated hoist	Set	1.000	10000.000	10000.000		Rupees Ten Thousand Only
120	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				0.000		0
120.01	Mixing device with reduction gear system.	Set	1.000	2500.000	2500.000		Rupees Two Thousand Five Hundred Only
120.02	3-phase electrically driven motors:				0.000		0
120.03	0.5 HP	No	0.000	2800.000	0.000		0
120.04	0.75 HP	No	0.000	3400.000	0.000		0
120.05	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only

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Part A(Rapid sand Filtration Plant) Bonibagh lelhar

120.06	Foundation / Base plate.	Set	1.000	4548.000	4548.000	Rupees Four Thousand Five Hundred Fourty Only
120.07	P.V.C outlet, overflow system with fittings upto point of application.	mtr	15.000	530.000	7950.000	Rupees Seven Thousand Nine Hundred Fifty Only
120.08	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000	Rupees One Thousand Six Hundred Eighty Only
120.09	150 mm dia Drain out let	mtr	15.000	1350.000	20250.000	Rupees Twenty Thousand Two Hundred Fifty Only
120.1	50mm dia service water piping	mtr	30.000	530.000	15900.000	Rupees Fifteen Thousand Nine Hundred Only
120.11	Constant dozing unit with time device.	Set	1.000	1500.000	1500.000	Rupees One Thousand Five Hundred Only
121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				0.000	0
121.1	80 mm dia.	Each	0.000	14058.000	0.000	0
121.2	100 mm dia.	Each	0.000	17210.000	0.000	0
121.3	125 mm dia.	Each	0.000	21000.000	0.000	0
121.4	150 mm dia.	Each	12.000	26720.000	320640.000	Rupees Three Lakh Twenty Thousand Six Hundred Fourty Only
121.5	200 mm dia.	Each	0.000	42300.000	0.000	0
121.6	250 mm dia.	Each	0.000	66440.000	0.000	0
121.7	300 mm dia.	Each	0.000	83100.000	0.000	0
121.8	350 mm dia.	Each	0.000	181060.000	0.000	0
121.9	Air Scouring Arrangements				0.000	0
122	Providing fitting, testing and comissioning of air blower standard make ISI mark capable of providing compression @ 0.35 kgs/sqcm coupled with suitable 3 phase induction electric motor complete with auxiliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve , non- return valve, Starter etc				0.000	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No	0.000	67500.000	0.000	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No	0.000	87500.000	0.000	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No	1.000	125000.000	125000.000	Rupees One Lakh TwentyFive Thousand Only
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No	0.000	153400.000	0.000	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No	0.000	163400.000	0.000	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.	No	0.000	175400.000	0.000	0
123	Up Wash Arrangements				0.000	0
124	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.				0.000	0

S No.	Particulars of items	Unit	Qty	Alloted Rate	in figures
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Part A(Rapid sand Filtration Plant) Bonibagh Ichhar

	Pumping unit with 5.0 HP Motor.	Set	1.000	20268.000	20268.000	Rupees Twenty Thousand Two Hundred SixtyEight Only
	Pumping unit with 7.5 HP Motor.	Set	0.000	29115.000	0.000	0
	Pumping unit with 12.5 HP Motor.	Set	0.000	46486.000	0.000	0
	Pumping unit with 15.0 HP Motor.	Set	0.000	49866.000	0.000	0
	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0.000	0
125.01	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.				0.000	0
125.02	Riveted and bolted	Kg	0.000	105.770	0.000	0
125.03	Welded	Kg	0.000	102.140	0.000	0
125.04	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				0.000	0
125.05	On steel work	sqm	0.000	188.800	0.000	0
125.06	On concrete work	sqm	0.000	183.430	0.000	0
125.07	Central axle turn table with double bearing and guide for incoming cable.	Set	0.000	4800.000	0.000	0
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolly (60:1 reduction gear box).				0.000	0
125.09	Pumping unit with 2.0 HP Motor.	Set	0.000	19120.000	0.000	0
125.1	Pumping unit with 5.0 HP Motor.	Set	0.000	24268.000	0.000	0
125.11	Pumping unit with 7.5 HP Motor.	Set	0.000	33115.000	0.000	0
125.12	Starter along with necessary wiring upto motor	No	0.000	1680.000	0.000	0
125.13	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.		0.000		0.000	0
125.14	0.5 HP	No	0.000	5300.000	0.000	0
125.15	0.75 HP	No	0.000	5900.000	0.000	0
125.16	1.0 HP	No	0.000	7300.000	0.000	0
125.17	Incoming cable, telescopic electric pole with rotary current collector	Set	0.000	6500.000	0.000	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0.000	0
126.01	100 mm dia	m	0.000	1108.150	0.000	0
126.02	150 mm dia	m	0.000	1581.250	0.000	0
126.03	200 mm dia	m	0.000	1947.000	0.000	0
126.04	250 mm dia	m	0.000	2504.800	0.000	0
126.05	300 mm dia	m	0.000	3129.200	0.000	0
126.06	350 mm dia	m	0.000	3707.000	0.000	0
126.07	400 mm dia	m	0.000	4440.200	0.000	0
126.08	450 mm dia	m	0.000	5378.150	0.000	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0.000	0
127.01	Up to 300 mm dia.	Quintal	0.000	7823.700	0.000	0
127.02	Over 300 mm dia.	Quintal	0.000	8225.100	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh lehar

128	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	0.000	147.000	0.000	0
					6381089.8	✓
TOTAL AMOUNT					510487.18	✓
Add 8% above on all Items					6891577	✓
G.Total						

Head Draftsman

Executive Engineer
 Shakti (PHE) Division
 Awantipora

Part B (construction of clarifloculator for wss Bonibagh Lelhar).

S.No.	Particulars of items	Unit	Qty	Alloted Rate	Amount	
					in figures	in Words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360		
	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each	7.000	7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	49635.6	Rupees FortyNine Thousand Six Hundred ThirtyFive Paise Sixty Only
4	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	86.200	188.750	0	0
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				16270.25	Rupees Sixteen Thousand Two Hundred Seventy Paise TwentyFive Only
5.1	All kinds of soil :	Cum		81.650	0	0
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.				0	0
6.1	All kinds of soil :	Cum	86.200	539.350	0	0
					46491.97	Rupees FortySix Thousand Four Hundred NinetyOne Paise NinetySeven Only
7	Earth work in excavation by manual means 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 andramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:					
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lemna)

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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 excavated earth as directed, within a lead of 50 metres:								
		Cum		252.050					
8.1	All kinds of soil :	1 KL		155.550					
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.								
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).			247.750					
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		198.700					
		Cum	51.720						
11	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.						10276.764		Rupees Ten Thousand Two Hundred SeventySix Paise SeventySix Only
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950					
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450					
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	7.300	1320.000			9636		Rupees Nine Thousand Six Hundred ThirtySix Only
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	Cum		7700.000					
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7968.000					
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in - All kinds of soil.	100 sqm		2193.900					
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400					
18	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:								
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010					

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

3.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0	0
8.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3.650	4861.840	17745.716	Thousand Seven Hundred FourtyFive Paise SeventyTwo Only
19	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				0	0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.760	0	0
20	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.				0	0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.810	9408.140	7620.5934	Rupees Seven Thousand Six Hundred Twenty Paise FiftyNine Only
21	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:				0	0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.870	9849.350	8568.9345	Rupees Eight Thousand Five Hundred SixtyEight Paise NinetyThree Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9036.390	0	0
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		10404.520	0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9600.640	0	0

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Part B (construction of clarifloculator for wss Boning)

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25	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.	Cum	9.490	7911.260	75077.8574	Rupees SeventyFive Thousand SeventySeven Paise EightySix Only
25.1	All works upto plinth level	Cum				
25.2	All works above plinth level upto floor V level	Cum	17.010	9302.980	158243.69	Rupees One Lakh FiftyEight Thousand Two Hundred FourtyThree Paise SixtyNine Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	47.160	111.870	5275.7892	Rupees Five Thousand Two Hundred SeventyFive Paise SeventyNine Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal	54.70	1074.370	58768.039	Rupees FiftyEight Thousand Seven Hundred SixtyEight Paise Four Only
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	6.740	262.300	1767.902	Rupees One Thousand Seven Hundred SixtySeven Paise Ninety Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	194.880	573.850	111831.888	Rupees One Lakh Eleven Thousand Eight Hundred ThirtyOne Paise EightyNine Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	0.640	635.600	406.784	Rupees Four Hundred Six Paise SeventyEight Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	10.720	502.850	5390.552	Rupees Five Thousand Three Hundred Ninety Paise FiftyFive Only

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Office of the Executive Engineer (JSD) P.H.E Division Awantipora

E-Mail ID: phedivisionawantipora@gmail.com

No.PHA/ 6088-6092
Dated: 31-12-2022

Mohd Wani ✓
Mohd Wani
Jgampora
: 26/RTIC/2001-02
01AANPW3311K1ZP
: AANPW311-K

1. Allotment for construction and successful testing and commissioning of 0.12 MGD RSFP at (cost includes, PST, clarifloculator, flush Mixer, filter house and wash water Disposable chamber WSS Bonibagh Lelhar

2. Your tender in response to this office E-NIT No.132 of 2021-22 dated:- 08.03.2022 issued under endorsement No.CE/PHE/Kmr/JSD/44105-56 dated:- 08.03.2022 and uploaded on tender portal with tender ID from 2022_PHE_163566_1 to 271 read with Minutes of Pre-bid meeting and Corrigendum No. I & II
3. UT level committee meeting held on 01.6.2022 under the chairmanship of Development Commissioner Works PW (R&B)
4. Minutes of meeting DJJM Pulwama held on 14.6.2022
5. Accord of Administrative Approval No. SE/Hyd/Spn/DB/24 of 2021-22 dated:- 15.6.2022
6. Tech. Sanction No. CE/PHE/DB/622 of 09/2022 dated:- 15.09.2022
7. Superintending Engineer Hydrl Circle Pulwama H.Q Shopian's letter No. SE/Hyd/Spn/DB/5719-20 dated:- 6.12.2022
8. Chief Engineer Kmr, Jal Shakti (PHE) Deptt. Srinagar's No. CE/PHE/MC/DB/34528-29 dated:- 12.12-2022 (within 10% approved escalation over the DAP Cost of the scheme)

For on behalf of lieutenant Governor of Union Territory of Jammu & Kashmir, contract for above mentioned work is hereby fixed with you at the following quoted rates, terms conditions .

Advertised Cost:-Rs 134.75 lacs

Alloted Cost(A+B+C+D+E):- Rs 135.85 lacs

(Rupees one crore thirty five lacs and eighty five thousand) only

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

S.No.	Particulars of items	Unit	Qty	Alloted Rate	Amount	
					in figures	in Words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	700.000	11.360	7952.000	Rupees seven thousand nine hundred and fifty two only
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0.000	
3	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.				0.000	
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0.000	
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0.000	
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0.000	
3.4	Above 240 cm girth	each		14214.350	0.000	
4	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	105.530	188.750	19918.788	Rupees Nineten thousand nine hundred eighteen paisa seventy nine only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0.000	

*Received
allotted in mgd
10/11/23*

*Received &
Rates accepted*

10/11/23

Part A (Rapid sand Filtration Plant) Bonibagh lehar

5.1	All kinds of soil :	Cum		81.650	0.000	
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	Cum			0.000	
6.1	All kinds of soil :	Cum	105.530	539.350	56917.606	Rupees fifty nine hundred and nine paise sixty only
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:				0.000	
7.1	1 meter from cutting edge	Cum		436.000	0.000	
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0.000	
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0.000	
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 excavated earth as directed, within a lead of 50 metres:					
8.1	All kinds of soil :	Cum	0.000	252.050	0.000	
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL	0.000	155.550	0.000	
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0.000	
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0.000	
11	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		198.700	0.000	
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0.000	
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum	0.000	272.450	0.000	
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	54.530	1320.000	71979.600	Rupees sseventy one thousand nine hundred seventy nine paise sixty only
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	Cum	2.970	7700.000	22869.000	Rupees twenty two thousand eight hundred sixty nine only
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum	4.950	7968.000	39441.600	Rupees thirty nine thousand four hundred forty one paise sixty only

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Part A(Rapid sand Filtration Plant) Bonibagh Ichhar

Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm	0.000	2193.900	0.000	0
supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum	6.950	787.400	5472.430	Rupees Five Thousand Four Hundred SeventyTwo Paise FortyThree Only
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:				0.000	0
1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	6.160	6434.010	39633.502	Rupees ThirtyNine Thousand Six Hundred ThirtyThree Paise Fifty Only
1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	12.430	5399.020	67109.819	Rupees SixtySeven Thousand One Hundred Nine Paise EightyTwo Only
1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	6.000	4861.840	29171.040	Rupees TwentyNine Thousand One Hundred SeventyOne Paise Four Only
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				0.000	0
9.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	7800.760	0.000	0
20 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.				0.000	0
20.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	10.440	9408.140	98220.982	Rupees NinetyEight Thousand Two Hundred Twenty Paise NinetyEight Only
21 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:				0.000	0
21.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	23.230	9849.350	228800.401	Rupees Two Lakh TwentyEight Thousand Eight Hundred Paise Forty Only
22 Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0.000	0
22.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	9036.390	0.000	0
23 Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0.000	0
23.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	10404.520	0.000	0

Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0.000	
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.000	9600.640	0.000	
25	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.				0.000	
25.1	All works upto plinth level	Cum	19.400	7911.260	153478.444	Rupees One Lakh FiftyThree Thousand Four Hundred SeventyEight Paise FortyFour Only
25.2	All works above plinth level upto floor V level	Cum	22.050	9302.980	205130.709	Rupees Two Lakh Five Thousand One Hundred Thirty Paise SeventyOne Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	22.050	111.870	2466.734	Rupees Two Thousand Four Hundred SixtySix Paise SeventyThree Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum	0.000	309.050	0.000	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal	25.580	1074.370	27482.385	Rupees TwentySeven Thousand Four Hundred EightyTwo Paise ThirtyEight Only
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0.000	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	10.870	262.300	2851.201	Rupees Two Thousand Eight Hundred FiftyOne Paise Twenty Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	227.780	573.850	130711.553	Rupees One Lakh Thirty Thousand Seven Hundred Eleven Paise FiftyFive Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	97.870	635.600	62206.172	Rupees SixtyTwo Thousand Two Hundred Six Paise Seventeen Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	116.220	502.850	58441.227	Rupees FiftyEight Thousand Four Hundred FortyOne Paise TwentyThree Only
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm	119.280	680.150	81128.292	Rupees EightyOne Thousand One Hundred TwentyEight Paise TwentyNine Only
29.06	Stairs (excluding landings) except spiral staircases.	sqm	23.700	807.500	19137.750	Rupees Nineteen Thousand One Hundred ThirtySeven Paise SeventyFive Only
29.07	Spiral staircases (including landings)	sqm	0.000	619.800	0.000	0

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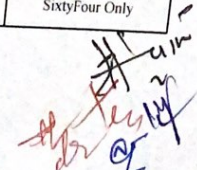
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Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

es, domes, vaults upto 6 m span	sqm	0.000	2086.800	0.000	0
a for arches, domes, vaults exceeding 6 m span	sqm	0.000	1008.450	0.000	0
nney and shafts	sqm	0.000	573.850	0.000	0
a for shuttering in circular work (20% of respective tering and Shuttering items)	sqm	0.000	0.200	0.000	0
ges of slabs and breaks in floors and walls	RM	101.620	242.300	24622.526	Rupees TwentyFour Thousand Six Hundred TwentyTwo Paise FiftyThree Only
tra for additional height in centering, shuttering where er required with adequate bracing, propping etc. including ost of de-shuttering and de-centering at all levels, over a eight of 3.5 m, for every additional height of 1 meter or part hereof (Plan area to be measured).				0.000	0
Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm	0.000	267.600	0.000	0
Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	176.400	57.900	10213.560	Rupees Ten Thousand Two Hundred Thirteen Paise FiftySix Only
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.				0.000	0
1 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	7813.960	87.180	681221.033	Rupees Six Lakh EightyOne Thousand Two Hundred TwentyOne Paise Three Only
.2 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.				0.000	0
i.3 Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	0.000	87.180	0.000	0
32 Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0.000	0
32.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	28.030	7476.380	209562.931	Rupees Two Lakh Nine Thousand Five Hundred SixtyTwo Paise NinetyThree Only
32.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.000	7111.310	0.000	0
33 Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum	28.030	1522.200	42667.266	Rupees FourtyTwo Thousand Six Hundred SixtySeven Paise TwentySeven Only
34 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):				0.000	0
34.1 First class kail wood	Cum	1.210	106894.150	129341.922	Rupees One Lakh TwentyNine Thousand Three Hundred FourtyOne Paise NinetyTwo Only
35 Pre-laminated particle board with decorative lamination on both sides,Grade I, Type II IS : 12823 marked	sqm	0.000	1931.200	0.000	0

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

36	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.				0.000	
36.1	First class kail wood (30 mm thick shutter)	Sqm	33.920	2784.100	94436.672	Rupee: Thousand Thirty SixtyS
36.2	Second kail wood (30 mm thick shutter)	mm/sqm	0.000	2489.750	0.000	
37	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.				0.000	
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm	0.000	925.000	0.000	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm	0.000	1274.050	0.000	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm	0.000	1768.050	0.000	0
38	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.				0.000	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm	0.000	4352.950	0.000	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm	0.000	4189.600	0.000	0
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0.000	0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg	937.500	114.680	107512.500	Rupees One Lakh Seve Thousand Five Hundrec Twelve Paise Fifty Only
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	0.000	146.630	0.000	0
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.				0.000	0
40.1	M.S. tube	Kg	45.000	172.900	7780.500	Rupees Seven Thousand Seven Hundred Eighty Paise Fifty Only
40.2	E.R.W. tubes	Kg	0.000	166.050	0.000	0
40.3	G.I. pipes	Kg	0.000	174.250	0.000	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	0.000	91.030	0.000	0
42	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.				0.000	0
42.1	Riveted and bolted	Kg	0.000	105.770	0.000	0
42.2	Welded	Kg	6222.260	102.140	635541.636	Rupees Six Lakh ThirtyFive Thousand Five Hundred FourtyOne Paise SixtyFour Only



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Part A (Rapid sand Filtration Plant) Bonibagh Ielhar

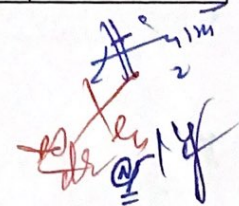
	ying and fixing rolling shutters of approved make, made required size M.S. laths, interlocked together through their length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side rails and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate length confirming to IS:4454 part-1 and M.S. top cover of required thickness for rolling shutters				0.000	0
	10x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	3.490	3238.200	11301.318	Rupees Eleven Thousand Three Hundred One Paise ThirtyTwo Only
	Providing and fixing ball bearing for rolling shutters.	each	2.000	483.100	966.200	Rupees Nine Hundred SixtySix Paise Twenty Only
	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.				0.000	0
1	40mm thick with 20 mm nominal size stone aggregate.	sqm	0.000	461.850	0.000	0
2	50 mm thick with 20mm nominal size stone aggregate.	sqm	0.000	505.000	0.000	0
5	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				0.000	0
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm	111.020	1210.660	134407.473	Rupees One Lakh ThirtyFour Thousand Four Hundred Seven Paise FourtySeven Only
46	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:				0.000	0
46.1	Makrana White Second quality (16mm)	sqm	104.090	6175.390	642796.345	Rupees Six Lakh FourtyTwo Thousand Seven Hundred NinetySix Paise ThirtyFive Only
46.2	Extra for pre finished nosing to treads of steps of marble stone	mtr	5.000	579.310	2896.550	Rupees Two Thousand Eight Hundred NinetySix Paise FiftyFive Only
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm	0.000	674.130	0.000	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0.000	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	633.740	343.750	217848.125	Rupees Two Lakh Seventeen Thousand Eight Hundred FourtyEight Paise Thirteen Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm	0.000	325.450	0.000	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm	0.000	221.500	0.000	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0.000	0

Part A(Rapid sand Filtration Plant) Bonibagh lehar

49.1	1 : 4 (1 cement : 4 fine sand)	sqm	0.000	300.450	0.000	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm	0.000	278.600	0.000	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm	0.000	183.550	0.000	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm	174.560	91.800	16024.608	Rupees Sixteen Thousand TwentyFour Paise SixtyOne Only
52	Applying priming coat:				0.000	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	86.270	59.500	5133.065	Rupees Five Thousand One Hundred Thirty Three Paise Seven
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm	0.000	60.400	0.000	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	0.000	52.750	0.000	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	0.000	28.900	0.000	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0.000	0
53.1	Two or more coats on new work	sqm	86.270	121.950	10520.627	Rupees Ten Thousand Five Hundred Twenty Paise SixtyThree Only
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	80.350	179.800	14446.930	Rupees Fourteen Thousand Four Hundred FourtySix Paise NinetyThree Only
54	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				0.000	0
54.1	On steel work	sqm	0.000	188.800	0.000	0
54.2	On concrete work	sqm	0.000	183.430	0.000	0
55	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm	0.000	115.450	0.000	0
56	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer.	sqm	214.370	149.050	31951.849	Rupees ThirtyOne Thousand Nine Hundred FiftyOne Paise EightyFive Only
57	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				0.000	0
57.1	125 mm	each	0.000	66.350	0.000	0
57.2	100 mm	each	35.000	52.300	1830.500	Rupees One Thousand Eight Hundred Thirty Paise Fifty Only
58	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 :				0.000	0
58.1	150x10 mm	each	0.000	80.350	0.000	0
58.2	100x10 mm	each	35.000	57.350	2007.250	Rupees Two Thousand Seven Paise TwentyFive Only

Part A(Rapid sand Filtration Plant) Bonibagh lelhar

59	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.				0.000	0
	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm	135.320	830.250	112349.430	Rupees One Lakh Twelve Thousand Three Hundred FortyNine Paise FourThree Only
60	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				0.000	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m2	m	0.000	762.450	0.000	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m2	m	70.000	691.350	48394.500	Rupees FourtyEight Thousand Three Hundred NinetyFour Paise Fifty Only
60.3	0.50 mm thick with zinc coating not less than 275 gram/m2	m	0.000	626.700	0.000	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0.000	0
61.1	250x32 mm (nominal size)	m	0.000	693.900	0.000	0
61.2	300x40 mm (nominal size)	m	0.000	998.850	0.000	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	65.000	600.000	39000.000	Rupees ThirtyNine Thousand Only
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0.000	0
63.1	250x32 mm (nominal size)	m	0.000	693.900	0.000	0
63.2	300x40 mm (nominal size)	m	0.000	998.850	0.000	0
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	0.000	600.000	0.000	0
65	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.				0.000	0
65.1	1 mm thick	sqm	0.000	129.500	0.000	0
65.2	2 mm thick	sqm	0.000	172.400	0.000	0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				0.000	0
66.01	15 mm dia. nominal bore	m	0.000	163.550	0.000	0
66.02	20 mm dia. nominal bore	m	0.000	204.450	0.000	0
66.03	25 mm dia. nominal bore	m	0.000	298.150	0.000	0
66.04	32 mm dia. nominal bore	m	0.000	360.900	0.000	0
66.05	40 mm dia. nominal bore	m	0.000	418.800	0.000	0
66.06	50 mm dia. nominal bore	m	0.000	559.350	0.000	0
66.07	65 mm dia. nominal bore	m	0.000	711.700	0.000	0
66.08	80 mm dia. nominal bore	m	0.000	840.000	0.000	0
66.09	100 mm dia. nominal bore	m	0.000	1234.950	0.000	0



Part A(Rapid sand Filtration Plant) Bonibagh lelhar

66.1	150 mm dia. nominal bore	m	200.000	2167.650	433530.000	Rupees Four Lakh ThirtyThree Thousand Five Hundred Thirty Onl
67	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.				0.000	0
67.1	80 mm dia. Class 1	Each	0.000	10815.000	0.000	0
67.2	100 mm dia. Class 1	Each	0.000	13164.000	0.000	0
67.3	125 mm dia. Class 1	Each	0.000	15961.000	0.000	0
67.4	150 mm dia. Class 1	Each	0.000	20243.000	0.000	0
67.5	200 mm dia. Class 1	Each	0.000	31698.000	0.000	0
67.6	250 mm dia. Class 1	Each	0.000	50356.000	0.000	0
67.7	300 mm dia. Class 1	Each	0.000	62066.000	0.000	0
67.8	350 mm dia. Class 1	Each	0.000	147031.000	0.000	0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0.000	0
69.1	Up to 300 mm dia.	Quintal	0.000	7823.700	0.000	0
69.2	Over 300 mm dia.	Quintal	0.000	8225.100	0.000	0
70	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				0.000	0
70.1	80 mm dia. pipe	Joint	0.000	1100.000	0.000	0
70.2	100 mm dia. pipe	Joint	0.000	1520.000	0.000	0
70.3	125 mm dia. pipe	Joint	0.000	1855.000	0.000	0
70.4	150 mm dia. pipe	Joint	45.000	2150.000	96750.000	Rupees NinetySix Thousand Seven Hundred Fifty Only
70.5	200 mm dia. pipe	Joint	0.000	3480.000	0.000	0
70.6	250 mm dia. pipe	Joint	0.000	5030.000	0.000	0
70.7	300 mm dia. pipe	Joint	0.000	7710.000	0.000	0
70.8	350 mm dia. Pipe	Joint	0.000	9635.000	0.000	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0.000	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m	0.000	281.850	0.000	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m	0.000	228.300	0.000	0
71.3	Kickers (320mm wide, 5mm thick)	m	0.000	261.750	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

Rupees Four Lakh
ThirtyThree Thousand
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	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the approval of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m	0.000	547.600	0.000	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm	0.000	800.000	0.000	0
73.01	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.)	kg	180.0000	449.850	80973.000	Rupees Eighty Thousand Nine Hundred SeventyThree Only
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	1.000	459.310	459.310	Rupees Four Hundred FiftyNine Paise ThirtyOne Only
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg	0.000	494.840	0.000	0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg	0.000	504.130	0.000	0
73.05	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.)	kg	170.0000	535.350	91009.500	Rupees NinetyOne Thousand Nine Paise Fifty Only
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg	0.000	552.640	0.000	0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg	0.000	588.890	0.000	0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg	0.000	598.350	0.000	0
74	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.)	sqm	36.1600	974.700	35245.152	Rupees ThirtyFive Thousand Two Hundred FourtyFive Paise Fifteen Only
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm	0.000	1072.170	0.000	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm	0.000	1395.960	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh Ichhar

74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm	0.000	1807.140	0.000	0
75	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				0.000	0
75.1	50 mm dia	m	0.000	530.000	0.000	0
75.2	62.5 mm dia	m	0.000	1110.000	0.000	0
75.3	75 mm dia	m	0.000	1420.000	0.000	0
75.4	100 mm dia	m	0.000	1990.000	0.000	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0.000	0
76.1	3 km	Cum	0.000	172.590	0.000	0
76.2	4 km	Cum	0.000	189.750	0.000	0
76.3	5 Km	Cum	81.460	206.280	16803.569	Rupees Sixteen Thousand Eight Hundred Three Paise FiftySeven Only
76.4	Beyond 5 km upto 10 km per km	Cum	0.000	14.920	0.000	0
76.5	Beyond 10 km upto 20 km per km	Cum	0.000	12.140	0.000	0
76.6	Beyond 20 km per additional km	Cum	0.000	9.940	0.000	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0.000	0
77.1	3 km	Cum	0.000	172.590	0.000	0
77.2	4 km	Cum	0.000	189.750	0.000	0
77.3	5 km	Cum	99.340	206.280	20491.855	Rupees Twenty Thousand Four Hundred NinetyOne Paise EightySix Only
77.4	Beyond 5 km upto 10 km per km	Cum	99.340	74.600	7410.764	Rupees Seven Thousand Four Hundred Ten Paise SeventySix Only
77.5	Beyond 10 km upto 20 km per km	Cum	0.000	12.140	0.000	0
77.6	Beyond 20 km per additional km	Cum	0.000	9.940	0.000	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0.000	0
78.1	3 km	Cum	0.000	187.600	0.000	0
78.2	4 km	Cum	0.000	206.250	0.000	0
78.3	5 Km	Cum	5.400	224.200	1210.680	Rupees One Thousand Two Hundred Ten Paise SixtyEight Only
78.4	Beyond 5 km upto 10 km per km	Cum	5.400	81.100	437.940	Rupees Four Hundred ThirtySeven Paise NinetyFour Only
78.5	Beyond 10 km upto 20 km per km	Cum	0.000	13.200	0.000	0
78.6	Beyond 20 km per additional km	Cum	0.000	10.760	0.000	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0.000	0
	3 km	Cum	0.000	203.060	0.000	0
	4 km	Cum	0.000	223.240	0.000	0
	5 Km	Cum	0.000	242.670	0.000	0
	Beyond 5 km upto 10 km per km	Cum	0.000	17.550	0.000	0
	Beyond 10 km upto 20 km per km	Cum	0.000	14.280	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

5	Beyond 20 km per additional km	Cum	0.000	11.700	0.000	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0.000	0
80.1	3 km	Tonne	0.000	153.420	0.000	0
80.2	4 km	Tonne	0.000	168.670	0.000	0
80.3	5 Km	Tonne	16.200	183.360	2970.432	Rupees Two Thousand Nine Hundred Seventy Paise FourtyThree Only
80.4	Beyond 5 km upto 10 km per km	Tonne	0.000	13.260	0.000	0
80.5	Beyond 10 km upto 20 km per km	Tonne	0.000	10.800	0.000	0
80.6	Beyond 20 km per additional km	Tonne	0.000	8.830	0.000	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0.000	0
81.1	3 km	Cum	0.000	215.740	0.000	0
81.2	4 km	Cum	0.000	237.190	0.000	0
81.3	5 Km	Cum	0.000	257.840	0.000	0
81.4	Beyond 5 km upto 10 km per km	Cum	0.000	18.640	0.000	0
81.5	Beyond 10 km upto 20 km per km	Cum	0.000	15.180	0.000	0
81.6	Beyond 20 km per additional km	Cum	0.000	12.420	0.000	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0.000	0
82.1	3 km	Tonne	0.000	153.420	0.000	0
82.2	4 km	Tonne	0.000	168.670	0.000	0
82.3	5 Km	mt	45.200	183.360	8287.872	Rupees Eight Thousand Two Hundred EightySeven Paise EightySeven Only
82.4	Beyond 5 km upto 10 km per km	Tonne	0.000	13.260	0.000	0
82.5	Beyond 10 km upto 20 km per km	Tonne	0.000	10.800	0.000	0
82.6	Beyond 20 km per additional km	Tonne	0.000	8.830	0.000	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: (15 km avg.)				0.000	0
83.1	3 km	per 1000	0.000	0.400	0.000	0
83.2	4 km	per 1000	0.000	0.440	0.000	0
83.3	5 Km	per 1000	11259.000	0.478	5381.802	Rupees Five Thousand Three Hundred EightyOne Paise Eighty Only
83.4	Beyond 5 km upto 10 km per km	per 1000	11259.000	0.172	1936.548	Rupees One Thousand Nine Hundred ThirtySix Paise FiftyFive Only
83.5	Beyond 10 km upto 20 km per km	per 1000	11259.000	0.140	1576.260	Rupees One Thousand Five Hundred SeventySix Paise TwentySix Only
83.6	Beyond 20 km per additional km	per 1000			0.000	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0.000	0
84.1	3 km	Cum	0.000	197.248	0.000	0
84.2	4 km	Cum	0.000	216.856	0.000	0
84.3	5 Km	Cum	0.000	235.739	0.000	0
84.4	Beyond 5 km upto 10 km per km	Cum	0.000	17.043	0.000	0
84.5	Beyond 10 km upto 20 km per km	Cum	0.000	13.881	0.000	0
84.6	Beyond 20 km per additional km	Cum	0.000	11.362	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh lehar

					0.000	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)	Cum	0.000	209.900	0.000	0
85.1	Ist 50m	Cum	0.000	45.700	0.000	0
85.2	Beyond Ist 50m				0.000	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm	Cum	0.000	209.900	0.000	0
86.1	Ist 50m	Cum	0.000	45.700	0.000	0
86.2	Beyond Ist 50m				0.000	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above	Cum	0.000	226.920	0.000	0
87.1	Ist 50m	Cum	0.000	49.400	0.000	0
87.2	Beyond Ist 50m				0.000	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling	Cum	0.000	246.940	0.000	0
88.1	Ist 50m	Cum	0.000	53.760	0.000	0
88.2	Beyond Ist 50m				0.000	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets					0
89.1	Ist 50m	Tonne	0.000	261.100	0.000	0
89.2	Beyond Ist 50m	Tonne	0.000	38.320	0.000	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth					0
90.1	Ist 50m	Cum	0.000	209.900	0.000	0
90.2	Beyond Ist 50m	Cum	0.000	45.700	0.000	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0.000	0
91.1	Ist 50m	Tonne	0.000	121.570	0.000	0
91.2	Beyond Ist 50m	Tonne	0.000	17.840	0.000	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0.000	0
2.1	Ist 50m	per 1000	0.000	391.817	0.000	0
2.2	Beyond Ist 50m	per 1000	0.000	85.307	0.000	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0.000	0
1	Ist 50m	Cum	0.000	167.854	0.000	0
2	Beyond Ist 50m	Cum	0.000	24.633	0.000	0
	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.	mtr	60.000	103.500	6210.000	Rupees Six Thousand Two Hundred Ten Only
	Providing and carrying out wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl. cost of conduit)	Point	20.000	824.550	16491.000	Rupees Sixteen Thousand Four Hundred NinetyOne Only

Part A (Rapid sand Filtration Plant) Bonibagh lehar

	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point	1.000	1215.550	1215.550		Rupees One Thousand Two Hundred Fifteen Paise FiftyFive Only
97	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	10.000	1300.000	13000.000		Rupees Thirteen Thousand Only
97.1	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)	mtr	100.0000	300.000	30000.000		Rupees Thirty Thousand Only
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m	0.000	192.050	0.000	0	
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m	0.000	230.000	0.000	0	
98	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.	0.000	569.250	0.000	0	
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.	0.000	393.300	0.000	0	
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.	0.000	228.850	0.000	0	
101	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.	0.000	442.750	0.000	0	
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	No.	0.000	74.750	0.000	0	
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.	0.000	600.000	0.000	0	
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.	4.000	2125.000	8500.000		Rupees Eight Thousand Five Hundred Only
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.	5.000	1550.000	7750.000		Rupees Seven Thousand Seven Hundred Fifty Only
106	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.	0.000	193.200	0.000	0	
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.	0.000	196.650	0.000	0	
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.	0.000	417.450	0.000	0	

Part A(Rapid sand Filtration Plant) Bonibagh Ielhar

109	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.	0.000	2360.950	0.000	0
110	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	No.	8.000	1500.000	12000.000	Rupees Twelve Thousand Only
111	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	50.000	325.000	16250.000	Rupees Sixteen Thousand Two Hundred Fifty Only
112	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				0.000	0
112.1	10 KVA	Job	0.000	27000.000	0.000	0
112.2	20 KVA	Job	0.000	37000.000	0.000	0
112.3	25 KVA	Job	1.000	42000.000	42000.000	Rupees FourtyTwo Thousand Only
112.4	30 KVA	Job	0.000	47000.000	0.000	0
112.5	40 KVA	Job	0.000	57000.000	0.000	0
112.6	50 KVA	Job	0.000	67000.000	0.000	0
113	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	1.000	4250.000	4250.000	Rupees Four Thousand Two Hundred Fifty Only
114	Providing and fitting of:				0.000	0
114.01	200 Amp. 4 pole Change over of reputed make	No	1.000	11200.000	11200.000	Rupees Eleven Thousand Two Hundred Only
114.02	100 Amp 4 pole change over of reputed make.	No	0.000	7598.000	0.000	0
114.03	64 Amp. 4 pole Change over of reputed make	No	0.000	5000.000	0.000	0
114.04	32 Amp. 4 pole Change over of reputed make	No	0.000	2500.000	0.000	0
114.05	200 Amp 3-phase copper bus bar	No	1.000	7500.000	7500.000	Rupees Seven Thousand Five Hundred Only
114.06	100 Amp-Copper bus bar	No	0.000	4550.000	0.000	0
114.07	64 Amp-Copper bus bar	No	0.000	3750.000	0.000	0
114.08	32 Amp-Copper bus bar	No	0.000	2850.000	0.000	0
114.09	100 Amp MCCB	No	2.000	3300.000	6600.000	Rupees Six Thousand Six Hundred Only
114.1	63 Amp MCCB	No	2.000	2700.000	5400.000	Rupees Five Thousand Four Hundred Only
114.11	40 Amp MCCB	No	0.000	2100.000	0.000	0
114.12	16 Amp MCCB	No	0.000	1250.000	0.000	0
114.13	6 Amp MCCB	No	0.000	630.000	0.000	0
114.14	3-phase indicator points	No	4.000	445.000	1780.000	Rupees One Thousand Seven Hundred Eighty
114.15	3-phase voltmeter and Amperemeters	No	2.000	1190.000	2380.000	Rupees Two Thousand Three Hundred Eighty Only
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0.000	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

Part A (Rapid sand Filtration Plant) Bonibagh lelhar

	Mechanical Items: 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				0.000		0
118.1	50 mm dia	m	0.000	530.000	0.000		0
118.2	62.5 mm dia	m	0.000	1110.000	0.000		0
118.3	75 mm dia	m	80.000	1420.000	113600.000		Rupees One Lakh Thirteen Thousand Six Hundred Only
118.4	100 mm dia	m	0.000	1990.000	0.000		0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0.000		0
118	Mixing device with reduction gear system				0.000		0
118.1	3-phase Electrically driven motor:				0.000		0
118.2	0.5 HP	No	0.000	2800.000	0.000		0
118.3	0.75 HP	No	0.000	3400.000	0.000		0
118.4	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only
118.5	Foundation \ Base plate	Set	1.000	4548.000	4548.000		Rupees Four Thousand Five Hundred Forty Eight Only
118.6	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000		Rupees One Thousand Six Hundred Eighty Only
119	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit-				0.000		0
119.01	Mixing device with reduction gear system.	Set	1.000	2500.000	2500.000		Rupees Two Thousand Five Hundred Only
119.02	3-phase electrically driven motors:				0.000		0
119.03	0.5 HP	No	0.000	2800.000	0.000		0
119.04	0.75 HP	No	0.000	0	0.000		0
119.05	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only
119.06	Foundation / Base plate	Set	1.000	4548.000	4548.000		Rupees Four Thousand Five Hundred Forty Eight Only
119.07	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000		Rupees One Thousand Six Hundred Eighty Only
119.08	P.V.C outlet, overflow system with fittings upto point of application	mtr	15.000	530.000	7950.000		Rupees Seven Thousand Nine Hundred Fifty Only
119.09	150mm dia drain out let	mtr	15.000	1350.000	20250.000		Rupees Twenty Thousand Two Hundred Fifty Only
119.1	50 mm dia Service water piping.	mtr	30.000	530.000	15900.000		Rupees Fifteen Thousand Nine Hundred Only
119.11	Constant dosing unit with time device	Set	1.000	1500.000	1500.000		Rupees One Thousand Five Hundred Only
119.12	Manually operated hoist	Set	1.000	10000.000	10000.000		Rupees Ten Thousand Only
120	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				0.000		0
120.01	Mixing device with reduction gear system.	Set	1.000	2500.000	2500.000		Rupees Two Thousand Five Hundred Only
120.02	3-phase electrically driven motors:				0.000		0
120.03	0.5 HP	No	0.000	2800.000	0.000		0
120.04	0.75 HP	No	0.000	3400.000	0.000		0
120.05	1.0 HP	No	1.000	4800.000	4800.000		Rupees Four Thousand Eight Hundred Only

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Part A(Rapid sand Filtration Plant) Bonibagh lelhar

120.06	Foundation / Base plate.	Set	1.000	4548.000	4548.000	Rupees Four Thousand Five Hundred Fourty Only
120.07	P.V.C outlet, overflow system with fittings upto point of application.	mtr	15.000	530.000	7950.000	Rupees Seven Thousand Nine Hundred Fifty Only
120.08	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680.000	Rupees One Thousand Six Hundred Eighty Only
120.09	150 mm dia Drain out let	mtr	15.000	1350.000	20250.000	Rupees Twenty Thousand Two Hundred Fifty Only
120.1	50mm dia service water piping	mtr	30.000	530.000	15900.000	Rupees Fifteen Thousand Nine Hundred Only
120.11	Constant dozing unit with time device.	Set	1.000	1500.000	1500.000	Rupees One Thousand Five Hundred Only
121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				0.000	0
121.1	80 mm dia.	Each	0.000	14058.000	0.000	0
121.2	100 mm dia.	Each	0.000	17210.000	0.000	0
121.3	125 mm dia.	Each	0.000	21000.000	0.000	0
121.4	150 mm dia.	Each	12.000	26720.000	320640.000	Rupees Three Lakh Twenty Thousand Six Hundred Fourty Only
121.5	200 mm dia.	Each	0.000	42300.000	0.000	0
121.6	250 mm dia.	Each	0.000	66440.000	0.000	0
121.7	300 mm dia.	Each	0.000	83100.000	0.000	0
121.8	350 mm dia.	Each	0.000	181060.000	0.000	0
121.9	Air Scouring Arrangements				0.000	0
122	Providing fitting, testing and comissioning of air blower standard make ISI mark capable of providing compression @ 0.35 kgs/sqcm coupled with suitable 3 phase induction electric motor complete with auxiliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve , non- return valve, Starter etc				0.000	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No	0.000	67500.000	0.000	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No	0.000	87500.000	0.000	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No	1.000	125000.000	125000.000	Rupees One Lakh TwentyFive Thousand Only
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No	0.000	153400.000	0.000	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No	0.000	163400.000	0.000	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.	No	0.000	175400.000	0.000	0
123	Up Wash Arrangements				0.000	0
124	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.				0.000	0

S No.	Particulars of items	Unit	Qty	Alloted Rate	in figures
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Part A(Rapid sand Filtration Plant) Bonibagh Ichhar

	Pumping unit with 5.0 HP Motor.	Set	1.000	20268.000	20268.000	Rupees Twenty Thousand Two Hundred SixtyEight Only
	Pumping unit with 7.5 HP Motor.	Set	0.000	29115.000	0.000	0
	Pumping unit with 12.5 HP Motor.	Set	0.000	46486.000	0.000	0
	Pumping unit with 15.0 HP Motor.	Set	0.000	49866.000	0.000	0
	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0.000	0
125.01	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.				0.000	0
125.02	Riveted and bolted	Kg	0.000	105.770	0.000	0
125.03	Welded	Kg	0.000	102.140	0.000	0
125.04	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				0.000	0
125.05	On steel work	sqm	0.000	188.800	0.000	0
125.06	On concrete work	sqm	0.000	183.430	0.000	0
125.07	Central axle turn table with double bearing and guide for incoming cable.	Set	0.000	4800.000	0.000	0
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolly (60:1 reduction gear box).				0.000	0
125.09	Pumping unit with 2.0 HP Motor.	Set	0.000	19120.000	0.000	0
125.1	Pumping unit with 5.0 HP Motor.	Set	0.000	24268.000	0.000	0
125.11	Pumping unit with 7.5 HP Motor.	Set	0.000	33115.000	0.000	0
125.12	Starter along with necessary wiring upto motor	No	0.000	1680.000	0.000	0
125.13	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.		0.000		0.000	0
125.14	0.5 HP	No	0.000	5300.000	0.000	0
125.15	0.75 HP	No	0.000	5900.000	0.000	0
125.16	1.0 HP	No	0.000	7300.000	0.000	0
125.17	Incoming cable, telescopic electric pole with rotary current collector	Set	0.000	6500.000	0.000	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0.000	0
126.01	100 mm dia	m	0.000	1108.150	0.000	0
126.02	150 mm dia	m	0.000	1581.250	0.000	0
126.03	200 mm dia	m	0.000	1947.000	0.000	0
126.04	250 mm dia	m	0.000	2504.800	0.000	0
126.05	300 mm dia	m	0.000	3129.200	0.000	0
126.06	350 mm dia	m	0.000	3707.000	0.000	0
126.07	400 mm dia	m	0.000	4440.200	0.000	0
126.08	450 mm dia	m	0.000	5378.150	0.000	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0.000	0
127.01	Up to 300 mm dia.	Quintal	0.000	7823.700	0.000	0
127.02	Over 300 mm dia.	Quintal	0.000	8225.100	0.000	0

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Part A(Rapid sand Filtration Plant) Bonibagh lelhar

128	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	0.000	147.000	0.000	0
					6381089.8	✓
TOTAL AMOUNT					510487.18	✓
Add 8% above on all Items					6891577	✓
G.Total						

Head Draftsman

Executive Engineer
 Shakti (PHE) Division
 Awantipora

Part B (construction of clarifloculator for wss Bonibagh Lelhar).

S.No.	Particulars of items	Unit	Qty	Alloted Rate	Amount	
					in figures	in Words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360		
	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each	7.000	7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	49635.6	Rupees FortyNine Thousand Six Hundred ThirtyFive Paise Sixty Only
4	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	86.200	188.750	0	0
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				16270.25	Rupees Sixteen Thousand Two Hundred Seventy Paise TwentyFive Only
5.1	All kinds of soil :	Cum		81.650	0	0
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.				0	0
6.1	All kinds of soil :	Cum	86.200	539.350	0	0
					46491.97	Rupees FortySix Thousand Four Hundred NinetyOne Paise NinetySeven Only
7	Earth work in excavation by manual means 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 andramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:					
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lemna)

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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 excavated earth as directed, within a lead of 50 metres:								
		Cum			252.050				
8.1	All kinds of soil :	1 KL			155.550				
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.								
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).								
					247.750				
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm			198.700				
		Cum	51.720						
11	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				10276.764			Rupees Ten Thousand Two Hundred SeventySix Paise SeventySix Only
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum			59.950				
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum			272.450				
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	7.300		1320.000				Rupees Nine Thousand Six Hundred ThirtySix Only
						9636			
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	Cum			7700.000				
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum			7968.000				
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in - All kinds of soil.	100 sqm			2193.900				
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum			787.400				
18	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:								
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum			6434.010				

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

3.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0	0
8.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	3.650	4861.840	17745.716	Thousand Seven Hundred FourtyFive Paise SeventyTwo Only
19	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				0	0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.760	0	0
20	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.				0	0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.810	9408.140	7620.5934	Rupees Seven Thousand Six Hundred Twenty Paise FiftyNine Only
21	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:				0	0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.870	9849.350	8568.9345	Rupees Eight Thousand Five Hundred SixtyEight Paise NinetyThree Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9036.390	0	0
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		10404.520	0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9600.640	0	0

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Part B (construction of clarifloculator for wss Boning)

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25	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.	Cum	9.490	7911.260	75077.8574	Rupees SeventyFive Thousand SeventySeven Paise EightySix Only
25.1	All works upto plinth level	Cum				
25.2	All works above plinth level upto floor V level	Cum	17.010	9302.980	158243.69	Rupees One Lakh FiftyEight Thousand Two Hundred FourtyThree Paise SixtyNine Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	47.160	111.870	5275.7892	Rupees Five Thousand Two Hundred SeventyFive Paise SeventyNine Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal	54.70	1074.370	58768.039	Rupees FiftyEight Thousand Seven Hundred SixtyEight Paise Four Only
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	6.740	262.300	1767.902	Rupees One Thousand Seven Hundred SixtySeven Paise Ninety Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	194.880	573.850	111831.888	Rupees One Lakh Eleven Thousand Eight Hundred ThirtyOne Paise EightyNine Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	0.640	635.600	406.784	Rupees Four Hundred Six Paise SeventyEight Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	10.720	502.850	5390.552	Rupees Five Thousand Three Hundred Ninety Paise FiftyFive Only

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Part B (construction of clarifloculator for wss Bonjibagh Lelhar).

32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	5.350	7476.380	39998.633		
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0		
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0		
34	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).				0		
34.1	First class kail wood	Cum		106894.150	0		
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0		
36	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.				0		
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0		
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0		
37	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.				0		
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0		
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0		
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0		
38	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.				0		
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0		
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0		
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0		
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0		

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Rupees Thirty Thousand Nine Hundred NinetyEight and SixtyThree Cents

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

4.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	813.140	146.630	119230.718	Rupees One Lakh Nineteen Thousand Two Hundred Thirty Paise SeventyTwo Only	
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.				0	0	
40.1	M.S. tube	Kg	81.360	172.900	14067.144	Rupees Fourteen Thousand SixtySeven Paise Fourteen Only	
40.2	E.R.W. tubes	Kg		166.050	0	0	
40.3	G.I. pipes	Kg		174.250	0	0	
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0	0	
42	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.				0	0	
42.1	Riveted and bolted	Kg		105.770	0	0	
42.2	Welded	Kg		102.140	0	0	
43	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				0	0	
43.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0	0	
43.2	Providing and fixing ball bearing for rolling shutters.	each		483.100	0	0	
44	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.				0	0	
5	44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0	0
5.1	44.2	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

45	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						
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660		0	0
46	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:						
46.1	Makrana White Second quality (16mm)	sqm		6175.390		0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310		0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130		0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:						
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	272.870	343.750		0	0
47.2	1 : 4 (1 cement : 4 fine sand)				93799.0625		
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		325.450		0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:	sqm		221.500		0	0
49.1	1 : 4 (1 cement : 4 fine sand)						
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		300.450		0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		278.600		0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		183.550		0	0
52	Applying priming coat:					0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500		0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400		0	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750		0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900		0	0
						0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0	0
3.1	Two or more coats on new work	sqm		121.950	0	0
3.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm		179.800	0	0
54	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	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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.	sqm		149.050	0	0
57	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				0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm	each		52.300	0	0
58	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 :				0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm	each		57.350	0	0
59	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.				0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m ²	sqm		830.250	0	0
60	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				0	0
5	60.1	0.80 mm thick with zinc coating not less than 275 gram/m ²	m	762.450	0	0
5.1	60.2	0.63 mm thick with zinc coating not less than 275 gram/m ²	m	691.350	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

				626.700	0	
60.3	0.50 mm thick with zinc coating not less than 275 gram/m ²	m			0	
61	Providing and fixing plained eaves boarding. 2nd class kail wood			693.900	0	
61.1	250x32 mm (nominal size)	m		998.850	0	
61.2	300x40 mm (nominal size)	m		600.000		
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m			0	
63	Providing and fixing plained eaves boarding. (II Class kail Wood)			693.900	0	
63.1	250x32 mm (nominal size)	m		998.850	0	
63.2	300x40 mm (nominal size)	m		600.000		
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m			0	
65	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.				0	
65.1	1 mm thick	sqm		129.500	0	
65.2	2 mm thick	sqm		172.400	0	
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				0	
66.01	15 mm dia. nominal bore	m		163.550	0	
66.02	20 mm dia. nominal bore	m		204.450	0	
66.03	25 mm dia. nominal bore	m		298.150	0	
66.04	32 mm dia. nominal bore	m		360.900	0	
66.05	40 mm dia. nominal bore	m		418.800	0	
66.06	50 mm dia. nominal bore	m		559.350	0	
66.07	65 mm dia. nominal bore	m		711.700	0	
66.08	80 mm dia. nominal bore	m		840.000	0	
66.09	100 mm dia. nominal bore	m		1234.950	0	
66.1	150 mm dia. nominal bore	m	350.000	2167.650	0	
67	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.				758677.5	
						Rupees Seven Lakh FiftyEight Thousand Six Hundred SeventySeven Paise Fifty Only
67.1	80 mm dia. Class 1	Each		10815.000	0	
67.2	100 mm dia. Class 1	Each		13164.000	0	
67.3	125 mm dia. Class 1	Each		15961.000	0	
67.4	150 mm dia. Class 1	Each		20243.000	0	
67.5	200 mm dia. Class 1	Each		31698.000	0	
67.6	250 mm dia. Class 1	Each		50356.000	0	
67.7	300 mm dia. Class 1	Each		62066.000	0	
67.8	350 mm dia. Class 1	Each		147031.000	0	

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

99	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)					0	0
9.1	Up to 300 mm dia.	Quintal		7823.700		0	0
9.2	Over 300 mm dia.	Quintal		8225.100		0	0
70	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					0	0
70.1	80 mm dia. pipe	Joint		1100.000		0	0
70.2	100 mm dia. pipe	Joint		1520.000		0	0
70.3	125 mm dia. pipe	Joint		1855.000		0	0
70.4	150 mm dia. pipe	Joint	65.000	2150.000	139750		
							Rupees One Lakh ThirtyNine Thousand Seven Hundred Fifty Only
70.5	200 mm dia. pipe	Joint		3480.000		0	0
70.6	250 mm dia. pipe	Joint		5030.000		0	0
70.7	300 mm dia. pipe	Joint		7710.000		0	0
70.8	350 mm dia. Pipe	Joint		9635.000		0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.					0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850		0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300		0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750		0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m		547.600		0	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm		800.000		0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

73.01	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 deat 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.)					0
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310		0
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg				0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		494.840		0
73.05	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.)			504.130		0
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640		0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890		0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350		0
74	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.)					0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170		0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960		0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140		0
75	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					0
75.1	50 mm dia	m		530.000		0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

72	62.5 mm dia	m		1110.000	0	0
73	75 mm dia	m		1420.000	0	0
74	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	36.575	206.280	7544.691	Rupees Seven Thousand Five Hundred FortyFour Paise SixtyNine Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77.1	3 km	Cum		172.590	0	0
77.2	4 km	Cum		189.750	0	0
77.3	5 km	Cum	43.740	206.280	9022.6872	Rupees Nine Thousand TwentyTwo Paise SixtyNine Only
77.4	Beyond 5 km upto 10 km per km	Cum	43.740	74.600	3263.004	Rupees Three Thousand Two Hundred SixtyThree Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77.6	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0
78.1	3 km	Cum		187.600	0	0
78.2	4 km	Cum		206.250	0	0
78.3	5 Km	Cum	3.280	224.200	735.376	Rupees Seven Hundred ThirtyFive Paise ThirtyEight Only
78.4	Beyond 5 km upto 10 km per km	Cum	3.280	81.100	266.008	Rupees Two Hundred SixtySix Paise One Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
78.6	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0	0
79.1	3 km	Cum		203.060	0	0
79.2	4 km	Cum		223.240	0	0
79.3	5 Km	Cum		242.670	0	0
79.4	Beyond 5 km upto 10 km per km	Cum		52.650	0	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
79.6	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0	0
80.1	3 km	Tonne		153.420	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

80.2	4 km	Tonne		168.670	0	
80.3	5 Km	Tonne	4.920	183.360	902.1312	Rupees Nine Hundred Two Paise Thirteen
80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	
80.6	Beyond 20 km per additional km	Tonne		8.830	0	
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0	
81.1	3 km	Cum		215.740	0	
81.2	4 km	Cum		237.190	0	
81.3	5 Km	Cum		257.840	0	
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	
81.6	Beyond 20 km per additional km	Cum		12.420	0	
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0	
82.1	3 km	Tonne		153.420	0	
82.2	4 km	Tonne		168.670	0	
82.3	5 Km	Tonne	19.500	183.360	3575.52	Rupees Three Thousand Five Hundred SeventyFive Paise FiftyTwo Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	
82.6	Beyond 20 km per additional km	Tonne		8.830	0	
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	
83.1	3 km	per 1000		460.253	0	
83.2	4 km	per 1000		506.012	0	
83.3	5 Km	per 1000		550.057	0	
83.4	Beyond 5 km upto 10 km per km	per 1000		39.779	0	
83.5	Beyond 10 km upto 20 km per km	per 1000		32.384	0	
83.6	Beyond 20 km per additional km	per 1000		26.508	0	
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	
84.1	3 km	Cum		197.248	0	
84.2	4 km	Cum		216.856	0	
84.3	5 Km	Cum		235.739	0	
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	
84.6	Beyond 20 km per additional km	Cum		11.362	0	
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	
85.1	Ist 50m	Cum		209.900	0	
85.2	Beyond Ist 50m	Cum		45.700	0	
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

86.1	Ist 50m	Cum		209.900	0	0
86.2	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87.1	Ist 50m	Cum		226.920	0	0
87.2	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88.1	Ist 50m	Cum		246.940	0	0
88.2	Beyond Ist 50m	Cum		53.760	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89.1	Ist 50m	Tonne		261.100	0	0
89.2	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90.1	Ist 50m	Cum		209.900	0	0
90.2	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91.1	Ist 50m	Tonne		121.570	0	0
91.2	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92.1	Ist 50m	per 1000		391.817	0	0
92.2	Beyond Ist 50m	per 1000		85.307	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93.1	Ist 50m	Cum		167.854	0	0
93.2	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0

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Providing double flange tube heater relevant up to 1 stand design shot Cor

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

Item No.	Description	Unit	Quantity	Rate	Amount	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550			
97	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		1300.000		0	
97.1	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)					0	
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m				0	
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		192.050		0	
98	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.		230.000		0	
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required	No.		569.250		0	
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		393.300		0	
101	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.		228.850		0	
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		442.750		0	
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		74.750		0	
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		600.000		0	
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		2125.000		0	
				1550.000		0	

Part B (construction of clarifloculator for wss Bonibagh Lelhar).

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106	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.		193.200		
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650		0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450		0
109	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.		2360.950		0
110	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.		1500.000		0
111	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		325.000		0
112	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.					0
112.1	10 KVA	Job		27000.000		0
112.2	20 KVA	Job		37000.000		0
112.3	25 KVA	Job		42000.000		0
112.4	30 KVA	Job		47000.000		0
112.5	40 KVA	Job		57000.000		0
112.6	50 KVA	Job		67000.000		0
113	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		4250.000		0
114	Providing and fitting of:					0
114.01	200 Amp. 4 pole Change over of reputed make	No		11200.000		0
114.02	100 Amp 4 pole change over of reputed make.	No		7598.000		0

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Part B (construction of clarifloculator for wss Bonibagh Lehar).

				5000.000	0	
114.03	64 Amp. 4 pole Change over of reputed make	No		2500.000	0	
114.04	32 Amp. 4 pole Change over of reputed make	No		7500.000	0	
114.05	200 Amp 3-phase copper bus bar	No		4550.000	0	
114.06	100 Amp-Copper bus bar	No		3750.000	0	
114.07	64 Amp-Copper bus bar	No		2850.000	0	
114.08	32 Amp-Copper bus bar	No		3300.000	0	
114.09	100 Amp MCCB	No		2700.000	0	
114.1	63 Amp MCCB	No		2100.000	0	
114.11	40 Amp MCCB	No		1250.000	0	
114.12	16 Amp MCCB	No		630.000	0	
114.13	6 Amp MCCB	No		445.000	0	
114.14	3-phase indicator points	No		1190.000	0	
114.15	3-phase voltmeter and Amperemeters	No			0	
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	
116	Mechanical Items: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				0	0
116.1	50 mm dia	m		530.000	0	0
116.2	62.5 mm dia	m		1110.000	0	0
116.3	75 mm dia	m		1420.000	0	0
116.4	100 mm dia	m		1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118.1	3-phase Electrically driven motor:				0	0
118.2	0.5 HP	No		2800.000	0	0
118.3	0.75 HP	No		3400.000	0	0
118.4	1.0 HP	No		4800.000	0	0
118.5	Foundation \ Base plate	Set		4548.000		
118.6	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit-				0	0
119.01	Mixing device with reduction gear system.	Set		2500.000	0	0
119.02	3-phase electrically driven motors:				0	0
119.03	0.5 HP	No		2800.000	0	0
119.04	0.75 HP	No		3400.000	0	0
119.05	1.0 HP	No		4800.000	0	0
119.06	Foundation / Base plate	Set		4548.000	0	0
119.07	Starter along with necessary wiring upto motor	No		1680.000	0	0
119.08	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000		
119.09	150mm dia drain out let	Lot		1350.000	0	0
119.1	50 mm dia Service water piping.	Lot		530.000	0	0
119.11	Constant dosing unit with time device	Set		1500.000	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

9.12	Manually operated hoist	Set		10000.000	0	0
20	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				0	0
0.01	Mixing device with reduction gear system.	Set		2500.000	0	0
0.02	3-phase electrically driven motors:				0	0
0.03	0.5 HP	No		2800.000	0	0
0.04	0.75 HP	No		3400.000	0	0
	1.0 HP	No		4800.000	0	0
20.06	Foundation / Base plate.	Set		4548.000	0	0
20.07	P.V.C outlet, overflow system with fittings upto point of application.	Lot		530.000	0	0
20.08	Starter along with necessary wiring upto motor	No		1680.000	0	0
20.09	150 mm dia Drain out let	Lot		1350.000	0	0
20.1	50mm dia service water piping	Lot		530.000	0	0
20.11	Constant dosing unit with time device.	Set		1500.000	0	0
121	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.				0	0
121.1	80 mm dia.	Each		14058.000	0	0
121.2	100 mm dia.	Each		17210.000	0	0
121.3	125 mm dia.	Each		21000.000	0	0
121.4	150 mm dia.	Each	1.000	26720.000	26720	Rupees TwentySix Thousand Seven Hundred Twenty Only
121.5	200 mm dia.	Each		42300.000	0	0
121.6	250 mm dia.	Each		66440.000	0	0
121.7	300 mm dia.	Each		83100.000	0	0
121.8	350 mm dia.	Each		181060.000	0	0
121.9	Air Scouring Arrangements				0	0
122	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	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.	No		175400.000	0	0
123	Up Wash Arrangements				0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

124	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		
124.1	Pumping unit with 5.0 HP Motor.	Set		20268.000	0		
124.2	Pumping unit with 7.5 HP Motor.	Set		29115.000	0		
124.3	Pumping unit with 12.5 HP Motor.	Set		46486.000	0		
124.4	Pumping unit with 15.0 HP Motor.	Set		49866.000	0		
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:						
125.01	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 chumers for required dia Clarifer.			105.770	0		
125.02	Riveted and bolted	Kg	1000.000	102.140	102140		Rupees One Lakh Two Thousand One Hundred Forty Only
125.03	Welded	Kg					
125.04	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		
125.05	On steel work	sqm	20.000	188.800	3776		Rupees Three Thousand Seven Hundred SeventySix Only
125.06	On concrete work	sqm		183.430	0		
125.07	Central axle turn table with double bearing and guide for incoming cable.	Set	1.000	4800.000	4800		Rupees Four Thousand Eight Hundred Only
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				0		
125.09	Pumping unit with 2.0 HP Motor.	Set		19120.000	0		
125.1	Pumping unit with 5.0 HP Motor.	Set	1.000	24268.000	24268		Rupees TwentyFour Thousand Two Hundred SixtyEight Only
125.11	Pumping unit with 7.5 HP Motor.	Set		33115.000	0		
125.12	Starter along with necessary wiring upto motor	set	1.000	1680.000	1680		Rupees One Thousand Six Hundred Eighty Only
125.13	Flocclulator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				0		
125.14	0.5 HP	No		5300.000	0		

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

15.15	0.75 HP	No		5900.000	0	0
15.16	1.0 HP	No	1.000	7300.000	7300	Rupees Seven Thousand Three Hundred Only
15.17	Incoming cable, telescopic electric pole with rotary current collector	Set	1.000	6500.000	6500	Rupees Six Thousand Five Hundred Only
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0	0
126.01	100 mm dia	m		1108.150	0	0
126.02	150 mm dia	m		1581.250	0	0
126.03	200 mm dia	m		1947.000	0	0
126.04	250 mm dia	m		2504.800	0	0
126.05	300 mm dia	m		3129.200	0	0
126.06	350 mm dia	m		3707.000	0	0
126.07	400 mm dia	m		4440.200	0	0
126.08	450 mm dia	m		5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0	0
127.01	Up to 300 mm dia.	Quintal		7823.700	0	0
127.02	Over 300 mm dia.	Quintal		8225.100	0	0
128	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		147.000	0	0
	Total:-				2258767	
	Add 8% above on all items (excluding lump sump items)				180701.4	
	G.Total:-				2439469	

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Part C (construction of flash mixer)

Sl. No	Particulars of items	Units	Quantity	AllottedRate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360	0	0
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	0	0
4	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	2.920	188.750	551.15	Rupees Five Hundred FiftyOne Paise Fifteen Only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0	0
5.1	All kinds of soil :	Cum		81.650	0	0

Part C (construction of flash mixer)

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.				0	
6.1	All kinds of soil :	Cum	2.900	539.350	1564.115	Rupee Thousa Hund SixtyFour Twelve
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:				0	0
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0	0
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 excavated earth as directed, within a lead of 50 metres:				0	0
8.1	All kinds of soil :	Cum		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL		155.550	0	0

Part C (construction of flash mixer)

	lose timbering in trenches including strutting, shoring and backing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0	0
	width exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0	0
	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		198.700	0	0
	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
3	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	0.270	1320.000	356.4	Rupees Three Hundred FiftySix Paise Fourty Only
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	Cum		7700.000	0	0
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7968.000	0	0
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm		2193.900	0	0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	0	0

Rupees One thousand Five hundred Four Paise Only

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Part C (construction of flash mixer)

22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9036.390	0	0
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0	0
23	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		10404.520	0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
24	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9600.640	0	0
25	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.				0	0

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Part C (construction of flash mixer)

25	All works upto plinth level	Cum	0.330	7911.260	2610.7158	Rupees Two Thousand Six Hundred Ten Paise SeventyTwo Only
25	All works above plinth level upto floor V level	Cum	1.570	9302.980	14605.6786	Rupees Four Thousand Six Hundred Five Paise SixtyEight Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum		111.870	0	0
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal		1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29	Foundations, footings, bases of columns etc. for mass concrete.	sqm	1.300	262.300	340.99	Rupees Three Hundred Forty Paise NinetyNine Only
29	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	20.910	573.850	11999.2035	Rupees Eleven Thousand Nine Hundred NinetyNine Paise Twenty Only
29	Suspended floors, roofs, landings, balconies and access platforms.	sqm	4.180	635.600	2656.808	Rupees Two Thousand Six Hundred FiftySix Paise EightyOne Only
29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		502.850	0	0
29	Columns, pillars, piers, abutments, posts and struts.	sqm		680.150	0	0
29	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0

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Part C (construction of flash mixer)

29	Spiral staircases (including landings)	sqm		619.800	0	0
29	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29	Chimney and shafts	sqm		573.850	0	0
29	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm		0.200	0	0
	Foundations, footings, bases of columns etc. for mass concrete.	sqm	1.300	52.460	68.198	Rupees SixtyEight Paise Twenty Only
	walls	sqm	20.910	114.770	2399.8407	Rupees Two Thousand Three Hundred NinetyNine Paise EightyFour Only
29	Edges of slabs and breaks in floors and walls	RM		242.300	0	0
29	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).				0	0
29	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	20.210	57.900	1170.159	Rupees One Thousand One Hundred Seventy Paise Sixteen Only
31	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.				0	0

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Part C (construction of flash mixer)

31	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	163.980	87.180	14295.7764	Rupees Fourteen Thousand Two Hundred NinetyFive Paise SeventyEight Only
31	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.				0	0
31	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0	0
32	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0	0
34	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):				0	0
34	First class kail wood	Cum		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0	0
36	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.				0	0
36	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0	0

Part B (construction of clarifloculator for wss Bonjibagh Lelhar).

32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	5.350	7476.380	39998.633		
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0		
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0		
34	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).				0		
34.1	First class kail wood	Cum		106894.150	0		
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0		
36	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.				0		
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0		
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0		
37	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.				0		
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0		
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0		
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0		
38	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.				0		
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0		
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0		
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0		
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0		

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In gratin gates at

Rupees Thirty Thousand Nine Hundred NinetyEight SixtyThree

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

4.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	813.140	146.630	119230.718	Rupees One Lakh Nineteen Thousand Two Hundred Thirty Paise SeventyTwo Only
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.				0	0
40.1	M.S. tube	Kg	81.360	172.900	14067.144	Rupees Fourteen Thousand SixtySeven Paise Fourteen Only
40.2	E.R.W. tubes	Kg		166.050	0	0
40.3	G.I. pipes	Kg		174.250	0	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0	0
42	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.				0	0
42.1	Riveted and bolted	Kg		105.770	0	0
42.2	Welded	Kg		102.140	0	0
43	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				0	0
43.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200		0
43.2	Providing and fixing ball bearing for rolling shutters.	each		483.100		0
44	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.				0	0
5	44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0
5.1	44.2	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

45	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						
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660		0	0
46	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:						
46.1	Makrana White Second quality (16mm)	sqm		6175.390		0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310		0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130		0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:						
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	272.870	343.750		0	0
47.2	1 : 4 (1 cement : 4 fine sand)				93799.0625		
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		325.450		0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:	sqm		221.500		0	0
49.1	1 : 4 (1 cement : 4 fine sand)						
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		300.450		0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		278.600		0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		183.550		0	0
52	Applying priming coat:					0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500		0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400		0	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750		0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900		0	0
						0	0

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Rupees NinetyThree Thousand Seven Hundred NinetyNine Paise Six Only

Part B (construction of clarifloculator for wss Bonibagh Lelhar).

	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0	0
3.1	Two or more coats on new work	sqm		121.950	0	0
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm		179.800	0	0
54	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	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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.	sqm		149.050	0	0
57	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				0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm	each		52.300	0	0
58	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 :				0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm	each		57.350	0	0
59	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.				0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm		830.250	0	0
60	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				0	0
5	60.1	0.80 mm thick with zinc coating not less than 275 gram/m2	m	762.450	0	0
5.1	60.2	0.63 mm thick with zinc coating not less than 275 gram/m2	m	691.350	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

				626.700	0	
60.3	0.50 mm thick with zinc coating not less than 275 gram/m ²	m			0	
61	Providing and fixing plained eaves boarding. 2nd class kail wood			693.900	0	
61.1	250x32 mm (nominal size)	m		998.850	0	
61.2	300x40 mm (nominal size)	m		600.000	0	
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m			0	
63	Providing and fixing plained eaves boarding. (II Class kail Wood)			693.900	0	
63.1	250x32 mm (nominal size)	m		998.850	0	
63.2	300x40 mm (nominal size)	m		600.000	0	
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m			0	
65	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.				0	
65.1	1 mm thick	sqm		129.500	0	
65.2	2 mm thick	sqm		172.400	0	
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				0	
66.01	15 mm dia. nominal bore	m		163.550	0	
66.02	20 mm dia. nominal bore	m		204.450	0	
66.03	25 mm dia. nominal bore	m		298.150	0	
66.04	32 mm dia. nominal bore	m		360.900	0	
66.05	40 mm dia. nominal bore	m		418.800	0	
66.06	50 mm dia. nominal bore	m		559.350	0	
66.07	65 mm dia. nominal bore	m		711.700	0	
66.08	80 mm dia. nominal bore	m		840.000	0	
66.09	100 mm dia. nominal bore	m		1234.950	0	
66.1	150 mm dia. nominal bore	m	350.000	2167.650	0	
67	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.				758677.5	
						Rupees Seven Lakh FiftyEight Thousand Six Hundred SeventySeven Paise Fifty Only
67.1	80 mm dia. Class 1	Each		10815.000	0	
67.2	100 mm dia. Class 1	Each		13164.000	0	
67.3	125 mm dia. Class 1	Each		15961.000	0	
67.4	150 mm dia. Class 1	Each		20243.000	0	
67.5	200 mm dia. Class 1	Each		31698.000	0	
67.6	250 mm dia. Class 1	Each		50356.000	0	
67.7	300 mm dia. Class 1	Each		62066.000	0	
67.8	350 mm dia. Class 1	Each		147031.000	0	

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

99	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)					0	0
9.1	Up to 300 mm dia.	Quintal		7823.700		0	0
9.2	Over 300 mm dia.	Quintal		8225.100		0	0
70	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					0	0
70.1	80 mm dia. pipe	Joint		1100.000		0	0
70.2	100 mm dia. pipe	Joint		1520.000		0	0
70.3	125 mm dia. pipe	Joint		1855.000		0	0
70.4	150 mm dia. pipe	Joint	65.000	2150.000	139750		
							Rupees One Lakh ThirtyNine Thousand Seven Hundred Fifty Only
70.5	200 mm dia. pipe	Joint		3480.000		0	0
70.6	250 mm dia. pipe	Joint		5030.000		0	0
70.7	300 mm dia. pipe	Joint		7710.000		0	0
70.8	350 mm dia. Pipe	Joint		9635.000		0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.					0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850		0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300		0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750		0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m		547.600		0	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm		800.000		0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

73.01	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 deat 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.)					0
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310		0
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg				0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		494.840		0
73.05	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.)			504.130		0
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640		0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890		0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350		0
74	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.)					0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170		0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960		0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140		0
75	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					0
75.1	50 mm dia	m		530.000		0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

72	62.5 mm dia	m		1110.000	0	0
73	75 mm dia	m		1420.000	0	0
74	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	36.575	206.280	7544.691	Rupees Seven Thousand Five Hundred FortyFour Paise SixtyNine Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77.1	3 km	Cum		172.590	0	0
77.2	4 km	Cum		189.750	0	0
77.3	5 km	Cum	43.740	206.280	9022.6872	Rupees Nine Thousand TwentyTwo Paise SixtyNine Only
77.4	Beyond 5 km upto 10 km per km	Cum	43.740	74.600	3263.004	Rupees Three Thousand Two Hundred SixtyThree Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77.6	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0
78.1	3 km	Cum		187.600	0	0
78.2	4 km	Cum		206.250	0	0
78.3	5 Km	Cum	3.280	224.200	735.376	Rupees Seven Hundred ThirtyFive Paise ThirtyEight Only
78.4	Beyond 5 km upto 10 km per km	Cum	3.280	81.100	266.008	Rupees Two Hundred SixtySix Paise One Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
78.6	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0	0
79.1	3 km	Cum		203.060	0	0
79.2	4 km	Cum		223.240	0	0
79.3	5 Km	Cum		242.670	0	0
79.4	Beyond 5 km upto 10 km per km	Cum		52.650	0	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
79.6	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0	0
80.1	3 km	Tonne		153.420	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

80.2	4 km	Tonne		168.670	0	
80.3	5 Km	Tonne	4.920	183.360	902.1312	Rupees Nine Hundred Two Paise Thirteen
80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	
80.6	Beyond 20 km per additional km	Tonne		8.830	0	
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0	
81.1	3 km	Cum		215.740	0	
81.2	4 km	Cum		237.190	0	
81.3	5 Km	Cum		257.840	0	
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	
81.6	Beyond 20 km per additional km	Cum		12.420	0	
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0	
82.1	3 km	Tonne		153.420	0	
82.2	4 km	Tonne		168.670	0	
82.3	5 Km	Tonne	19.500	183.360	3575.52	Rupees Three Thousand Five Hundred SeventyFive Paise FiftyTwo Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	
82.6	Beyond 20 km per additional km	Tonne		8.830	0	
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	
83.1	3 km	per 1000		460.253	0	
83.2	4 km	per 1000		506.012	0	
83.3	5 Km	per 1000		550.057	0	
83.4	Beyond 5 km upto 10 km per km	per 1000		39.779	0	
83.5	Beyond 10 km upto 20 km per km	per 1000		32.384	0	
83.6	Beyond 20 km per additional km	per 1000		26.508	0	
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	
84.1	3 km	Cum		197.248	0	
84.2	4 km	Cum		216.856	0	
84.3	5 Km	Cum		235.739	0	
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	
84.6	Beyond 20 km per additional km	Cum		11.362	0	
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	
85.1	Ist 50m	Cum		209.900	0	
85.2	Beyond Ist 50m	Cum		45.700	0	
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

86.1	Ist 50m	Cum		209.900	0	0
86.2	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87.1	Ist 50m	Cum		226.920	0	0
87.2	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88.1	Ist 50m	Cum		246.940	0	0
88.2	Beyond Ist 50m	Cum		53.760	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89.1	Ist 50m	Tonne		261.100	0	0
89.2	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90.1	Ist 50m	Cum		209.900	0	0
90.2	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91.1	Ist 50m	Tonne		121.570	0	0
91.2	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92.1	Ist 50m	per 1000		391.817	0	0
92.2	Beyond Ist 50m	per 1000		85.307	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93.1	Ist 50m	Cum		167.854	0	0
93.2	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0

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Providing double flange tube heater relevant up to 1 stand design shot Cor

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

Item No.	Description	Unit	Quantity	Rate	Amount	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550			
97	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		1300.000		0	
97.1	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)					0	
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m				0	
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		192.050		0	
98	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.		230.000		0	
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required	No.		569.250		0	
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		393.300		0	
101	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.		228.850		0	
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		442.750		0	
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		74.750		0	
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		600.000		0	
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		2125.000		0	
				1550.000		0	

Part B (construction of clarifloculator for wss Bonibagh Lelhar).

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106	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.		193.200		
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650		0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450		0
109	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.		2360.950		0
110	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.		1500.000		0
111	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		325.000		0
112	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.					0
112.1	10 KVA	Job		27000.000		0
112.2	20 KVA	Job		37000.000		0
112.3	25 KVA	Job		42000.000		0
112.4	30 KVA	Job		47000.000		0
112.5	40 KVA	Job		57000.000		0
112.6	50 KVA	Job		67000.000		0
113	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		4250.000		0
114	Providing and fitting of:					0
114.01	200 Amp. 4 pole Change over of reputed make	No		11200.000		0
114.02	100 Amp 4 pole change over of reputed make.	No		7598.000		0

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Part B (construction of clarifloculator for wss Bonibagh Lehar).

				5000.000	0	
114.03	64 Amp. 4 pole Change over of reputed make	No		2500.000	0	
114.04	32 Amp. 4 pole Change over of reputed make	No		7500.000	0	
114.05	200 Amp 3-phase copper bus bar	No		4550.000	0	
114.06	100 Amp-Copper bus bar	No		3750.000	0	
114.07	64 Amp-Copper bus bar	No		2850.000	0	
114.08	32 Amp-Copper bus bar	No		3300.000	0	
114.09	100 Amp MCCB	No		2700.000	0	
114.1	63 Amp MCCB	No		2100.000	0	
114.11	40 Amp MCCB	No		1250.000	0	
114.12	16 Amp MCCB	No		630.000	0	
114.13	6 Amp MCCB	No		445.000	0	
114.14	3-phase indicator points	No		1190.000	0	
114.15	3-phase voltmeter and Amperemeters	No			0	
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	
116	Mechanical Items: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				0	0
116.1	50 mm dia	m		530.000	0	0
116.2	62.5 mm dia	m		1110.000	0	0
116.3	75 mm dia	m		1420.000	0	0
116.4	100 mm dia	m		1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118.1	3-phase Electrically driven motor:				0	0
118.2	0.5 HP	No		2800.000	0	0
118.3	0.75 HP	No		3400.000	0	0
118.4	1.0 HP	No		4800.000	0	0
118.5	Foundation \ Base plate	Set		4548.000		
118.6	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	Providing, fitting, testing and commissioning of following item for Alum Dosing Unit-				0	0
119.01	Mixing device with reduction gear system.	Set		2500.000	0	0
119.02	3-phase electrically driven motors:				0	0
119.03	0.5 HP	No		2800.000	0	0
119.04	0.75 HP	No		3400.000	0	0
119.05	1.0 HP	No		4800.000	0	0
119.06	Foundation / Base plate	Set		4548.000	0	0
119.07	Starter along with necessary wiring upto motor	No		1680.000	0	0
119.08	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000		
119.09	150mm dia drain out let	Lot		1350.000	0	0
119.1	50 mm dia Service water piping.	Lot		530.000	0	0
119.11	Constant dosing unit with time device	Set		1500.000	0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

9.12	Manually operated hoist	Set		10000.000	0	0
20	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-				0	0
0.01	Mixing device with reduction gear system.	Set		2500.000	0	0
0.02	3-phase electrically driven motors:				0	0
0.03	0.5 HP	No		2800.000	0	0
0.04	0.75 HP	No		3400.000	0	0
	1.0 HP	No		4800.000	0	0
20.06	Foundation / Base plate.	Set		4548.000	0	0
20.07	P.V.C outlet, overflow system with fittings upto point of application.	Lot		530.000	0	0
20.08	Starter along with necessary wiring upto motor	No		1680.000	0	0
20.09	150 mm dia Drain out let	Lot		1350.000	0	0
20.1	50mm dia service water piping	Lot		530.000	0	0
20.11	Constant dosing unit with time device.	Set		1500.000	0	0
121	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.				0	0
121.1	80 mm dia.	Each		14058.000	0	0
121.2	100 mm dia.	Each		17210.000	0	0
121.3	125 mm dia.	Each		21000.000	0	0
121.4	150 mm dia.	Each	1.000	26720.000	26720	Rupees TwentySix Thousand Seven Hundred Twenty Only
121.5	200 mm dia.	Each		42300.000	0	0
121.6	250 mm dia.	Each		66440.000	0	0
121.7	300 mm dia.	Each		83100.000	0	0
121.8	350 mm dia.	Each		181060.000	0	0
121.9	Air Scouring Arrangements				0	0
122	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	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.	No		175400.000	0	0
123	Up Wash Arrangements				0	0

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

124	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		
				20268.000	0		
124.1	Pumping unit with 5.0 HP Motor.	Set		29115.000	0		
124.2	Pumping unit with 7.5 HP Motor.	Set		46486.000	0		
124.3	Pumping unit with 12.5 HP Motor.	Set		49866.000	0		
124.4	Pumping unit with 15.0 HP Motor.	Set			0		
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:						
125.01	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 chumers for required dia Clarifer.				0		
				105.770	0		
125.02	Riveted and bolted	Kg	1000.000	102.140	102140		Rupees One Lakh Two Thousand One Hundred Forty Only
125.03	Welded	Kg					
125.04	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		
125.05	On steel work	sqm	20.000	188.800	3776		Rupees Three Thousand Seven Hundred SeventySix Only
125.06	On concrete work	sqm		183.430	0		
125.07	Central axle turn table with double bearing and guide for incoming cable.	Set	1.000	4800.000	4800		Rupees Four Thousand Eight Hundred Only
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				0		
125.09	Pumping unit with 2.0 HP Motor.	Set		19120.000	0		
125.1	Pumping unit with 5.0 HP Motor.	Set	1.000	24268.000	24268		Rupees TwentyFour Thousand Two Hundred SixtyEight Only
125.11	Pumping unit with 7.5 HP Motor.	Set		33115.000	0		
125.12	Starter along with necessary wiring upto motor	set	1.000	1680.000	1680		Rupees One Thousand Six Hundred Eighty Only
125.13	Floculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				0		
125.14	0.5 HP	No		5300.000	0		

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Part B (construction of clarifloculator for wss Bonibagh Lelhar).

5.15	0.75 HP	No		5900.000	0	0
5.16	1.0 HP	No	1.000	7300.000	7300	Rupees Seven Thousand Three Hundred Only
5.17	Incoming cable, telescopic electric pole with rotary current collector	Set	1.000	6500.000	6500	Rupees Six Thousand Five Hundred Only
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0	0
126.01	100 mm dia	m		1108.150	0	0
126.02	150 mm dia	m		1581.250	0	0
126.03	200 mm dia	m		1947.000	0	0
126.04	250 mm dia	m		2504.800	0	0
126.05	300 mm dia	m		3129.200	0	0
126.06	350 mm dia	m		3707.000	0	0
126.07	400 mm dia	m		4440.200	0	0
126.08	450 mm dia	m		5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0	0
127.01	Up to 300 mm dia.	Quintal		7823.700	0	0
127.02	Over 300 mm dia.	Quintal		8225.100	0	0
128	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		147.000	0	0
	Total:-				2258767	
	Add 8% above on all items (excluding lump sump items)				180701.4	
	G.Total:-				2439469	

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Part C (construction of flash mixer)

Sl. No	Particulars of items	Units	Quantity	AllottedRate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360	0	0
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	0	0
4	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	2.920	188.750	551.15	Rupees Five Hundred FiftyOne Paise Fifteen Only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0	0
5.1	All kinds of soil :	Cum		81.650	0	0

Part C (construction of flash mixer)

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.					0
6.1	All kinds of soil :	Cum	2.900	539.350	1564.115	Rupee Thousa Hund SixtyFour Twelve
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:					0
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0	0
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 excavated earth as directed, within a lead of 50 metres:					0
8.1	All kinds of soil :	Cum		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL		155.550	0	0

Part C (construction of flash mixer)

	lose timbering in trenches including strutting, shoring and backing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0	0
	width exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0	0
	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		198.700	0	0
	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
3	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	0.270	1320.000	356.4	Rupees Three Hundred FiftySix Paise Fourty Only
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	Cum		7700.000	0	0
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7968.000	0	0
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm		2193.900	0	0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	0	0

Rupees One
thousand Five
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Part C (construction of flash mixer)

	18	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:				0		
	18	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010	0		
	18	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0		
	18	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	0.160	4861.840	777.8944		Rupees Seventy Seven Hundred Seventy Seven Paise Eighty Nine Only
	19	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				0	0	
7.1	19	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.760	0	0	
7.2	20	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.				0	0	
7.3	20	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9408.140	0	0	
8	21	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:				0	0	
8.1	21	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.630	9849.350	6205.0905		Rupees Six Thousand Two Hundred Five Paise Nine Only

Part C (construction of flash mixer)

22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9036.390	0	0
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:				0	0
23	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		10404.520	0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:				0	0
24	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9600.640	0	0
25	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.				0	0

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Part C (construction of flash mixer)

25	All works upto plinth level	Cum	0.330	7911.260	2610.7158	Rupees Two Thousand Six Hundred Ten Paise SeventyTwo Only
25	All works above plinth level upto floor V level	Cum	1.570	9302.980	14605.6786	Rupees Fourteen Thousand Six Hundred Five Paise SixtyEight Only
26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum		111.870	0	0
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal		1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29	Foundations, footings, bases of columns etc. for mass concrete.	sqm	1.300	262.300	340.99	Rupees Three Hundred Forty Paise NinetyNine Only
29	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	20.910	573.850	11999.2035	Rupees Eleven Thousand Nine Hundred NinetyNine Paise Twenty Only
29	Suspended floors, roofs, landings, balconies and access platforms.	sqm	4.180	635.600	2656.808	Rupees Two Thousand Six Hundred FiftySix Paise EightyOne Only
29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		502.850	0	0
29	Columns, pillars, piers, abutments, posts and struts.	sqm		680.150	0	0
29	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0

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Part C (construction of flash mixer)

29	Spiral staircases (including landings)	sqm		619.800	0	0
29	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29	Chimney and shafts	sqm		573.850	0	0
29	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm		0.200	0	0
	Foundations, footings, bases of columns etc. for mass concrete.	sqm	1.300	52.460	68.198	Rupees SixtyEight Paise Twenty Only
	walls	sqm	20.910	114.770	2399.8407	Rupees Two Thousand Three Hundred NinetyNine Paise EightyFour Only
29	Edges of slabs and breaks in floors and walls	RM		242.300	0	0
29	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).				0	0
29	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	20.210	57.900	1170.159	Rupees One Thousand One Hundred Seventy Paise Sixteen Only
31	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.				0	0

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Part C (construction of flash mixer)

31	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	163.980	87.180	14295.7764	Rupees Fourteen Thousand Two Hundred NinetyFive Paise SeventyEight Only
31	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.				0	0
31	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0	0
32	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0	0
34	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):				0	0
34	First class kail wood	Cum		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0	0
36	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.				0	0
36	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0	0

Part D (Construction of PST)

113	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.			4250.000	0	0
114	Providing and fitting of:	No			0	0
114	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0
114	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114	100 Amp-Copper bus bar	No		4550.000	0	0
114	64 Amp-Copper bus bar	No		3750.000	0	0
114	32 Amp-Copper bus bar	No		2850.000	0	0
114	100 Amp MCCB	No		3300.000	0	0
114	63 Amp MCCB	No		2700.000	0	0
114	40 Amp MCCB	No		2100.000	0	0
114	16 Amp MCCB	No		1250.000	0	0
114	6 Amp MCCB	No		630.000	0	0
114	3-phase indicator points	No		445.000	0	0
114	3-phase voltmeter and Amperemeters			1190.000	0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items:Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m			0	0
116	50 mm dia	m		530.000	0	0
116	62.5 mm dia	m		1110.000	0	0
116	75 mm dia	m		1420.000	0	0
116	100 mm dia			1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118	3-phase Electrically driven motor:	No			0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0
109	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.		2360.950	0	0
110	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	m		1500.000	0	0
111	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.			325.000	0	0
112	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			0	0
112	10 KVA	Job		27000.000	0	0
112	20 KVA	Job		37000.000	0	0
112	25 KVA	Job		42000.000	0	0
112	30 KVA	Job		47000.000	0	0
113	40 KVA	Job		57000.000	0	0
113	50 KVA	Job		67000.000	0	0

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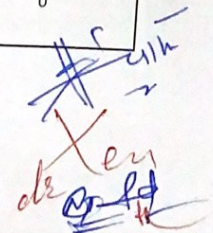
Part D (Construction of PST for WSS Bonibagh Ielhar)

98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.		393.300	0	0
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0
101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

94	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.	Point		103.500	0	0
95	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.	Point		824.550	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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)			1300.000	0	0
97.1	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)	m			0	0
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	No.		230.000	0	0



Part D (Construction of PST for WSS Bonibagh Ielhar)

86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm	Cum		0	0
86.1	Ist 50m	Cum			
86.2	Beyond Ist 50m		209.900	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above	Cum	45.700	0	0
87.1	Ist 50m	Cum			
87.2	Beyond Ist 50m		226.920	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling	Cum	49.400	0	0
88.1	Ist 50m	Cum			
88.2	Beyond Ist 50m		246.940	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets	Tonne	53.760	0	0
89.1	Ist 50m	Tonne			
89.2	Beyond Ist 50m		261.100	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth	Cum	38.320	0	0
90.1	Ist 50m	Cum			
90.2	Beyond Ist 50m		209.900	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement	Tonne	45.700	0	0
91.1	Ist 50m	Tonne			
91.2	Beyond Ist 50m		121.570	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks	per 1000	17.840	0	0
92.1	Ist 50m	per 1000			
92.2	Beyond Ist 50m		391.817	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood	Cum	85.307	0	0
93.1	Ist 50m	Cum			
93.2	Beyond Ist 50m	m	167.854	0	0
			24.633	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
80.6	Beyond 20 km per additional km			8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:	Cum			0	0
81.1	3 km	Cum		215.740	0	0
81.2	4 km	Cum		237.190	0	0
81.3	5 Km	Cum		257.840	0	0
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
81.6	Beyond 20 km per additional km			12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:	Tonne			0	0
82.1	3 km	Tonne		153.420	0	0
82.2	4 km	Tonne		168.670	0	0
82.3	5 Km	Tonne	27.000	183.360	4950.72	Rupees Four Thousand Nine Hundred Fifty Paise SeventyTwo Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
82.6	Beyond 20 km per additional km			8.830	0	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:	per 1000			0	0
83.1	3 km	per 1000		460.253	0	0
83.2	4 km	per 1000		506.012	0	0
83.3	5 Km	per 1000		550.057	0	0
83.4	Beyond 5 km upto 10 km per km	per 1000		39.779	0	0
83.5	Beyond 10 km upto 20 km per km	per 1000		32.384	0	0
83.6	Beyond 20 km per additional km			26.508	0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:	Cum			0	0
84.1	3 km	Cum		197.248	0	0
84.2	4 km	Cum		216.856	0	0
84.3	5 Km	Cum		235.739	0	0
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
84.6	Beyond 20 km per additional km			11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)	Cum			0	0
85.1	Ist 50m	Cum		209.900	0	0
85.2	Beyond Ist 50m			45.700	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :	Cum			0	0	
77.1	3 km	Cum		172.590	0	0	
77.2	4 km	Cum		189.750	0	0	
77.3	5 km	Cum	4.490	206.280	926.1972		Rupees Nine Hundred TwentySix Paise Twenty Only
77.4	Beyond 5 km upto 10 km per km	Cum	4.490	74.600	334.954		Rupees Three Hundred ThirtyFour Paise NinetyFive Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0	
77.6	Beyond 20 km per additional km			9.940	0	0	
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :	Cum			0	0	
78.1	3 km	Cum		187.600	0	0	
78.2	4 km	Cum		206.250	0	0	
78.3	5 Km	Cum	56.310	224.200	12624.702		Rupees Twelve Thousand Six Hundred TwentyFour Paise Seventy Only
78.4	Beyond 5 km upto 10 km per km	Cum	56.310	81.100	4566.741		Rupees Four Thousand Five Hundred SixtySix Paise SeventyFour Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0	
78.6	Beyond 20 km per additional km			10.760	0	0	
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :	Cum			0	0	
79.1	3 km	Cum		203.060	0	0	
79.2	4 km	Cum		223.240	0	0	
79.3	5 Km	Cum		242.670	0	0	
79.4	Beyond 5 km upto 10 km per km	Cum		52.650	0	0	
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0	
79.6	Beyond 20 km per additional km			11.700	0	0	
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:	Tonne			0	0	
80.1	3 km	Tonne		153.420	0	0	
80.2	4 km	Tonne		168.670	0	0	
80.3	5 Km	Tonne	5.840	183.360	1070.8224		Rupees One Thousand Seventy Paise EightyTwo Only

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Part D (Construction of PST for WSS Bonibagh Ielhar)

73.1	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73.1	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)			598.350	0	0
74	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)	sqm			0	0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)			1807.140	0	0
75	Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m			0	0
75.1	50 mm dia	m		530.000	0	0
75.2	62.5 mm dia	m		1110.000	0	0
75.3	75 mm dia	m		1420.000	0	0
75.4	100 mm dia			1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:	Cum			0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	47.292	206.280	9755.39376	Rupees Nine Thousand Seven Hundred FiftyFive Paise ThirtyNine Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km			9.940	0	0

Part D (Construction of PST for WSS Bonibagh Ielhar)

73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge			800.000	0	0
73	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.)	Kg			0	0
73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)			504.130	0	0
73.1	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately.)	Kg			0	0
73.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

70	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.	Joint			0	0
70.1	80 mm dia. pipe	Joint		1100.000	0	0
70.2	100 mm dia. pipe	Joint		1520.000	0	0
70.3	125 mm dia. pipe	Joint		1855.000	0	0
70.4	150 mm dia. pipe	Joint	20.000	2150.000	43000	Rupees FourtyThree Thousand Only
70.5	200 mm dia. pipe	Joint		3480.000	0	0
70.6	250 mm dia. pipe	Joint		5030.000	0	0
70.7	300 mm dia. pipe	Joint		7710.000	0	0
70.8	350 mm dia. Pipe			9635.000	0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete	m			0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	sqm		547.600	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job			600.000	0	0
65	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.	sqm			0	0
65.1	1 mm thick	sqm		129.500	0	0
65.2	2 mm thick			172.400	0	0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)	m			0	0
66	15 mm dia. nominal bore	m		163.550	0	0
66	20 mm dia. nominal bore	m		204.450	0	0
66	25 mm dia. nominal bore	m		298.150	0	0
66	32 mm dia. nominal bore	m		360.900	0	0
66.1	40 mm dia. nominal bore	m		418.800	0	0
66.1	50 mm dia. nominal bore	m		559.350	0	0
66.1	65 mm dia. nominal bore	m		711.700	0	0
66.1	80 mm dia. nominal bore	m		840.000	0	0
66.1	100 mm dia. nominal bore	m		1234.950	0	0
66.1	150 mm dia. nominal bore	m	100.000	2167.650	216765	Rupees Two Lakh Sixteen Thousand Seven Hundred SixtyFive Only
67	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.	Each			0	0
67.1	80 mm dia. Class 1	Each		10815.000	0	0
67.2	100 mm dia. Class 1	Each		13164.000	0	0
67.3	125 mm dia. Class 1	Each		15961.000	0	0
67.4	150 mm dia. Class 1	Each		20243.000	0	0
67.5	200 mm dia. Class 1	Each		31698.000	0	0
67.6	250 mm dia. Class 1	Each		50356.000	0	0
67.7	300 mm dia. Class 1	Each		62066.000	0	0
67.8	350 mm dia. Class 1			147031.000	0	0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal			0	0
69.1	Up to 300 mm dia.	Quintal		7823.700	0	0
69.2	Over 300 mm dia.			8225.100	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

58	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 :	each			0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm			57.350	0	0
59	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	sqm			0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m ²			830.250	0	0
60	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	m			0	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m ²	m		762.450	0	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m ²	m		691.350	0	0
60.3	0.50 mm thick with zinc coating not less than 275 gram/m ²			626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood	m			0	0
61.1	250x32 mm (nominal size)	m		693.900	0	0
61.2	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job			600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)	m			0	0
63.1	250x32 mm (nominal size)	m		693.900	0	0
63.2	300x40 mm (nominal size)	m		998.850	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750	0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)			28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.	sqm			0	0
53.1	Two or more coats on new work	sqm		121.950	0	0
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture			179.800	0	0
54	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			0	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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.			149.050	0	0
57	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	each			0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm			52.300	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

46	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:	sqm			0	0
46.1	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.			674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:	sqm			0	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	407.570	343.750	140102.188	Rupees One Lakh Fourty Thousand One Hundred Two Paise Nineteen Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm		325.450	0	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)			221.500	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:	sqm			0	0
49.1	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm	104.800	91.800	9620.64	Rupees Nine Thousand Six Hundred Twenty Paise SixtyFour Only
52	Applying priming coat:	sqm			0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

43	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	sqm			0	0
43.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	each		3238.200	0	0
43.2	Providing and fixing ball bearing for rolling shutters.			483.100	0	0
44	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.	sqm			0	0
44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0	0
44.2	50 mm thick with 20mm nominal size stone aggregate.			505.000	0	0
45	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	sqm			0	0
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)			1210.660	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.	Kg			0	0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg	1116.000	114.680	127982.88	Rupees One Lakh TwentySeven Thousand Nine Hundred EightyTwo Paise EightyEight Only
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.			146.630	0	0
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.	Kg			0	0
40.1	M.S. tube	Kg	108.000	172.900	18673.2	Rupees Eighteen Thousand Six Hundred SeventyThree Paise Twenty Only
40.2	E.R.W. tubes	Kg		166.050	0	0
40.3	G.I. pipes	Kg		174.250	0	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.			91.030	0	0
42	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg			0	0
42.1	Riveted and bolted	Kg		105.770	0	0
42.2	Welded			102.140	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level			1522.200	0	0
34	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately):	Cum			0	0
34.1	First class kail wood	sqm		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked			1931.200	0	0
36	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.	mm/sqm			0	0
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36.2	Second kail wood (30 mm thick shutter)			2489.750	0	0
37	Providing and fixing fly proof wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions all complete	sqm			0	0
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)			1768.050	0	0
38	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer	sqm			0	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.			4189.600	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

29.1	Edges of slabs and breaks in floors and walls	RM	65.000	242.300	15749.5	Rupees Fifteen Thousand Seven Hundred FortyNine Paise Fifty Only
29.1	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)	sqm			0	0
29.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	kgs		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	Kgs	540.480	57.900	31293.792	Rupees ThirtyOne Thousand Two Hundred NinetyThree Paise SeventyNine Only
31	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	Kgs			0	0
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kgs	4999.910	87.180	435892.154	Rupees Four Lakh ThirtyFive Thousand Eight Hundred NinetyTwo Paise Fifteen Only
31.2	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	Kgs			0	0
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.			87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :	Cum			0	0
32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0

Part D (Construction of PST for WSS Bonibagh Ielhar)

26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum		111.870	0	0
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Quintal		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.			1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:	sqm			0	0
29	Foundations, footings, bases of columns etc. for mass concrete.	sqm	33.820	262.300	8870.986	Rupees Eight Thousand Eight Hundred Seventy Paise NinetyNine Only
29	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm		573.850	0	0
29	Suspended floors, roofs, landings, balconies and access platforms.	sqm	27.630	635.600	17561.628	Rupees Seventeen Thousand Five Hundred SixtyOne Paise SixtyThree Only
29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		502.850	0	0
29.1	Columns, pillars, piers, abutments, posts and struts.	sqm		680.150	0	0
29.1	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0
29.1	Spiral staircases (including landings)	sqm		619.800	0	0
29.1	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29.1	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29.1	Chimney and shafts	sqm	310.270	573.850	178048.44	Rupees One Lakh SeventyEight Thousand FortyEight Paise FortyFour Only
29.1	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	RM		0.200	0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:	Cum				0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			10404.520		0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:	Cum				0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			9600.640		0	0
25	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.	Cum				0	0
25.1	All works upto plinth level	Cum		7911.260		0	0
25.2	All works above plinth level upto floor V level	Cum	32.650	9302.980	303742.297		Rupees Three Lakh Three Thousand Seven Hundred FourtyTwo Paise Thirty Only

Part D (Construction of PST for WSS Bonibagh Ielhar)

18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0	0
18.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	44.900	4861.840	218296.616	Rupees Two Lakh Eighteen Thousand Two Hundred NinetySix Paise SixtyTwo Only
19	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	Cum			0	0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	19.880	7800.760	155079.109	Rupees One Lakh FiftyFive Thousand SeventyNine Paise Eleven Only
20	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	Cum			0	0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum		9408.140	0	0
21	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:	Cum			0	0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	3.450	9849.350	33980.2575	Rupees ThirtyThree Thousand Nine Hundred Eighty Paise TwentySix Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:	Cum			0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			9036.390	0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

11	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		198.700	0	0
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	10.180	1320.000	13437.6	Rupees Thirteen Thousand Four Hundred ThirtySeven Paise Sixty Only
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	Cum		7700.000	0	0
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	100 sqm		7968.000	0	0
16	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil	Cum		2193.900	0	0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.			787.400	0	0
18	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:	Cum			0	0
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	4.790	6434.010	30818.9079	Rupees Thirty Thousand Eight Hundred Eighteen Paise NinetyOne Only

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Part D (Construction of PST for WSS Bonibagh lelhar)

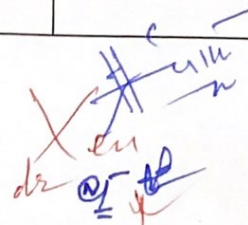
6.1	All kinds of soil :	cum	125.000	539.350	67418.75	Rupees SixtySeven Thousand Four Hundred Eighteen Paise SeventyFive Only
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:	Cum			0	0
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge			612.750	0	0
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 excavated earth as directed, within a lead of 50 metres:	Cum			0	0
8.1	All kinds of soil :	1 KL		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.			155.550	0	0
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).	Sqm			0	0
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Cum		247.750	0	0

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Bonibagh lelhar

Part D (Construction of PST for WSS Bonibagh lelhar)

S.No.	Particulars of items	Units	Quantity	Allotted Rate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	700.000	11.360	7952	Rupees Seven Thousand Nine Hundred Fifty Two Only
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.			577.550	0	0
3	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.	each			0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	Cum		14214.350	0	0
4	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)			188.750	0	0
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :	Cum			0	0
5.1	All kinds of soil :			81.650	0	0
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.	Cum			0	0



Part D (Construction of PST)

113	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.			4250.000	0	0
114	Providing and fitting of:	No			0	0
114	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0
114	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114	100 Amp-Copper bus bar	No		4550.000	0	0
114	64 Amp-Copper bus bar	No		3750.000	0	0
114	32 Amp-Copper bus bar	No		2850.000	0	0
114	100 Amp MCCB	No		3300.000	0	0
114	63 Amp MCCB	No		2700.000	0	0
114	40 Amp MCCB	No		2100.000	0	0
114	16 Amp MCCB	No		1250.000	0	0
114	6 Amp MCCB	No		630.000	0	0
114	3-phase indicator points	No		445.000	0	0
114	3-phase voltmeter and Amperemeters			1190.000	0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items:Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m			0	0
116	50 mm dia	m		530.000	0	0
116	62.5 mm dia	m		1110.000	0	0
116	75 mm dia	m		1420.000	0	0
116	100 mm dia			1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118	3-phase Electrically driven motor:	No			0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0
109	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.		2360.950	0	0
110	Providing, fitting and testing of LED flood light IP65 30W rating to pre-wired electric points on the outside of the Filter House building.	m		1500.000	0	0
111	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.			325.000	0	0
112	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			0	0
112	10 KVA	Job		27000.000	0	0
112	20 KVA	Job		37000.000	0	0
112	25 KVA	Job		42000.000	0	0
112	30 KVA	Job		47000.000	0	0
113	40 KVA	Job		57000.000	0	0
113	50 KVA	Job		67000.000	0	0

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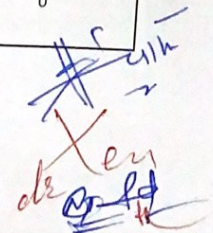
Part D (Construction of PST for WSS Bonibagh Ielhar)

98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.		393.300	0	0
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0
101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

94	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.	Point		103.500	0	0
95	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.	Point		824.550	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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)			1300.000	0	0
97.1	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)	m			0	0
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	No.		230.000	0	0



Part D (Construction of PST for WSS Bonibagh Ielhar)

86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm	Cum		0	0
86.1	Ist 50m	Cum			
86.2	Beyond Ist 50m		209.900	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above	Cum	45.700	0	0
87.1	Ist 50m	Cum			
87.2	Beyond Ist 50m		226.920	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling	Cum	49.400	0	0
88.1	Ist 50m	Cum			
88.2	Beyond Ist 50m		246.940	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets	Tonne	53.760	0	0
89.1	Ist 50m	Tonne			
89.2	Beyond Ist 50m		261.100	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth	Cum	38.320	0	0
90.1	Ist 50m	Cum			
90.2	Beyond Ist 50m		209.900	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement	Tonne	45.700	0	0
91.1	Ist 50m	Tonne			
91.2	Beyond Ist 50m		121.570	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks	per 1000	17.840	0	0
92.1	Ist 50m	per 1000			
92.2	Beyond Ist 50m		391.817	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood	Cum	85.307	0	0
93.1	Ist 50m	Cum			
93.2	Beyond Ist 50m	m	167.854	0	0
			24.633	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
80.6	Beyond 20 km per additional km			8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:	Cum			0	0
81.1	3 km	Cum		215.740	0	0
81.2	4 km	Cum		237.190	0	0
81.3	5 Km	Cum		257.840	0	0
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
81.6	Beyond 20 km per additional km			12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:	Tonne			0	0
82.1	3 km	Tonne		153.420	0	0
82.2	4 km	Tonne		168.670	0	0
82.3	5 Km	Tonne	27.000	183.360	4950.72	Rupees Four Thousand Nine Hundred Fifty Paise SeventyTwo Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
82.6	Beyond 20 km per additional km			8.830	0	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:	per 1000			0	0
83.1	3 km	per 1000		460.253	0	0
83.2	4 km	per 1000		506.012	0	0
83.3	5 Km	per 1000		550.057	0	0
83.4	Beyond 5 km upto 10 km per km	per 1000		39.779	0	0
83.5	Beyond 10 km upto 20 km per km	per 1000		32.384	0	0
83.6	Beyond 20 km per additional km			26.508	0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:	Cum			0	0
84.1	3 km	Cum		197.248	0	0
84.2	4 km	Cum		216.856	0	0
84.3	5 Km	Cum		235.739	0	0
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
84.6	Beyond 20 km per additional km			11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)	Cum			0	0
85.1	Ist 50m	Cum		209.900	0	0
85.2	Beyond Ist 50m			45.700	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :	Cum			0	0
77.1	3 km	Cum		172.590	0	0
77.2	4 km	Cum		189.750	0	0
77.3	5 km	Cum	4.490	206.280	926.1972	Rupees Nine Hundred TwentySix Paise Twenty Only
77.4	Beyond 5 km upto 10 km per km	Cum	4.490	74.600	334.954	Rupees Three Hundred ThirtyFour Paise NinetyFive Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77.6	Beyond 20 km per additional km			9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :	Cum			0	0
78.1	3 km	Cum		187.600	0	0
78.2	4 km	Cum		206.250	0	0
78.3	5 Km	Cum	56.310	224.200	12624.702	Rupees Twelve Thousand Six Hundred TwentyFour Paise Seventy Only
78.4	Beyond 5 km upto 10 km per km	Cum	56.310	81.100	4566.741	Rupees Four Thousand Five Hundred SixtySix Paise SeventyFour Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
78.6	Beyond 20 km per additional km			10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :	Cum			0	0
79.1	3 km	Cum		203.060	0	0
79.2	4 km	Cum		223.240	0	0
79.3	5 Km	Cum		242.670	0	0
79.4	Beyond 5 km upto 10 km per km	Cum		52.650	0	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
79.6	Beyond 20 km per additional km			11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:	Tonne			0	0
80.1	3 km	Tonne		153.420	0	0
80.2	4 km	Tonne		168.670	0	0
80.3	5 Km	Tonne	5.840	183.360	1070.8224	Rupees One Thousand Seventy Paise EightyTwo Only

Part D (Construction of PST for WSS Bonibagh Ielhar)

73.1	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73.1	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)			598.350	0	0
74	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)	sqm			0	0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)			1807.140	0	0
75	Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m			0	0
75.1	50 mm dia	m		530.000	0	0
75.2	62.5 mm dia	m		1110.000	0	0
75.3	75 mm dia	m		1420.000	0	0
75.4	100 mm dia			1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:	Cum			0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	47.292	206.280	9755.39376	Rupees Nine Thousand Seven Hundred FiftyFive Paise ThirtyNine Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km			9.940	0	0

Part D (Construction of PST for WSS Bonibagh Ielhar)

73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge			800.000	0	0
73	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.)	Kg			0	0
73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)			504.130	0	0
73.1	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately.)	Kg			0	0
73.1	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

70	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.	Joint			0	0
70.1	80 mm dia. pipe	Joint		1100.000	0	0
70.2	100 mm dia. pipe	Joint		1520.000	0	0
70.3	125 mm dia. pipe	Joint		1855.000	0	0
70.4	150 mm dia. pipe	Joint	20.000	2150.000	43000	Rupees FourtyThree Thousand Only
70.5	200 mm dia. pipe	Joint		3480.000	0	0
70.6	250 mm dia. pipe	Joint		5030.000	0	0
70.7	300 mm dia. pipe	Joint		7710.000	0	0
70.8	350 mm dia. Pipe			9635.000	0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete	m			0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	sqm		547.600	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job			600.000	0	0
65	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.	sqm			0	0
65.1	1 mm thick	sqm		129.500	0	0
65.2	2 mm thick			172.400	0	0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)	m			0	0
66	15 mm dia. nominal bore	m		163.550	0	0
66	20 mm dia. nominal bore	m		204.450	0	0
66	25 mm dia. nominal bore	m		298.150	0	0
66	32 mm dia. nominal bore	m		360.900	0	0
66.1	40 mm dia. nominal bore	m		418.800	0	0
66.1	50 mm dia. nominal bore	m		559.350	0	0
66.1	65 mm dia. nominal bore	m		711.700	0	0
66.1	80 mm dia. nominal bore	m		840.000	0	0
66.1	100 mm dia. nominal bore	m		1234.950	0	0
66.1	150 mm dia. nominal bore	m	100.000	2167.650	216765	Rupees Two Lakh Sixteen Thousand Seven Hundred SixtyFive Only
67	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.	Each			0	0
67.1	80 mm dia. Class 1	Each		10815.000	0	0
67.2	100 mm dia. Class 1	Each		13164.000	0	0
67.3	125 mm dia. Class 1	Each		15961.000	0	0
67.4	150 mm dia. Class 1	Each		20243.000	0	0
67.5	200 mm dia. Class 1	Each		31698.000	0	0
67.6	250 mm dia. Class 1	Each		50356.000	0	0
67.7	300 mm dia. Class 1	Each		62066.000	0	0
67.8	350 mm dia. Class 1			147031.000	0	0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal			0	0
69.1	Up to 300 mm dia.	Quintal		7823.700	0	0
69.2	Over 300 mm dia.			8225.100	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

58	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 :	each			0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm			57.350	0	0
59	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	sqm			0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m ²			830.250	0	0
60	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	m			0	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m ²	m		762.450	0	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m ²	m		691.350	0	0
60.3	0.50 mm thick with zinc coating not less than 275 gram/m ²			626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood	m			0	0
61.1	250x32 mm (nominal size)	m		693.900	0	0
61.2	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job			600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)	m			0	0
63.1	250x32 mm (nominal size)	m		693.900	0	0
63.2	300x40 mm (nominal size)	m		998.850	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750	0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)			28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.	sqm			0	0
53.1	Two or more coats on new work	sqm		121.950	0	0
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture			179.800	0	0
54	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			0	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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.			149.050	0	0
57	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	each			0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm			52.300	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

46	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:	sqm			0	0
46.1	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.			674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:	sqm			0	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	407.570	343.750	140102.188	Rupees One Lakh Fourty Thousand One Hundred Two Paise Nineteen Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm		325.450	0	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)			221.500	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:	sqm			0	0
49.1	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm	104.800	91.800	9620.64	Rupees Nine Thousand Six Hundred Twenty Paise SixtyFour Only
52	Applying priming coat:	sqm			0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.	Kg			0	0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg	1116.000	114.680	127982.88	Rupees One Lakh TwentySeven Thousand Nine Hundred EightyTwo Paise EightyEight Only
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.			146.630	0	0
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.	Kg			0	0
40.1	M.S. tube	Kg	108.000	172.900	18673.2	Rupees Eighteen Thousand Six Hundred SeventyThree Paise Twenty Only
40.2	E.R.W. tubes	Kg		166.050	0	0
40.3	G.I. pipes	Kg		174.250	0	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.			91.030	0	0
42	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg			0	0
42.1	Riveted and bolted	Kg		105.770	0	0
42.2	Welded			102.140	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level			1522.200	0	0
34	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately):	Cum			0	0
34.1	First class kail wood	sqm		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked			1931.200	0	0
36	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.	mm/sqm			0	0
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36.2	Second kail wood (30 mm thick shutter)			2489.750	0	0
37	Providing and fixing fly proof wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions all complete	sqm			0	0
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)			1768.050	0	0
38	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer	sqm			0	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.			4189.600	0	0

Part D (Construction of PST for WSS Bonibagh Ielhar)

29.1	Edges of slabs and breaks in floors and walls	RM	65.000	242.300	15749.5	Rupees Fifteen Thousand Seven Hundred FortyNine Paise Fifty Only
29.1	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)	sqm			0	0
29.1	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	kgs		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	Kgs	540.480	57.900	31293.792	Rupees ThirtyOne Thousand Two Hundred NinetyThree Paise SeventyNine Only
31	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	Kgs			0	0
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kgs	4999.910	87.180	435892.154	Rupees Four Lakh ThirtyFive Thousand Eight Hundred NinetyTwo Paise Fifteen Only
31.2	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	Kgs			0	0
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.			87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :	Cum			0	0
32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0

Part D (Construction of PST for WSS Bonibagh Ielhar)

26	Extra for providing richer mixes at all floor levels. Note:- Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum		111.870	0	0
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Quintal		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.			1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:	sqm			0	0
29	Foundations, footings, bases of columns etc. for mass concrete.	sqm	33.820	262.300	8870.986	Rupees Eight Thousand Eight Hundred Seventy Paise NinetyNine Only
29	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm		573.850	0	0
29	Suspended floors, roofs, landings, balconies and access platforms.	sqm	27.630	635.600	17561.628	Rupees Seventeen Thousand Five Hundred SixtyOne Paise SixtyThree Only
29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		502.850	0	0
29.1	Columns, pillars, piers, abutments, posts and struts.	sqm		680.150	0	0
29.1	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0
29.1	Spiral staircases (including landings)	sqm		619.800	0	0
29.1	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29.1	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29.1	Chimney and shafts	sqm	310.270	573.850	178048.44	Rupees One Lakh SeventyEight Thousand FortyEight Paise FortyFour Only
29.1	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	RM		0.200	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:	Cum				0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			10404.520		0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:	Cum				0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			9600.640		0	0
25	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.	Cum				0	0
25.1	All works upto plinth level	Cum		7911.260		0	0
25.2	All works above plinth level upto floor V level	Cum	32.650	9302.980	303742.297		Rupees Three Lakh Three Thousand Seven Hundred FourtyTwo Paise Thirty Only

Part D (Construction of PST for WSS Bonibagh Ielhar)

18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0	0
18.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	44.900	4861.840	218296.616	Rupees Two Lakh Eighteen Thousand Two Hundred NinetySix Paise SixtyTwo Only
19	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	Cum			0	0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	19.880	7800.760	155079.109	Rupees One Lakh FiftyFive Thousand SeventyNine Paise Eleven Only
20	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	Cum			0	0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum		9408.140	0	0
21	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:	Cum			0	0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	3.450	9849.350	33980.2575	Rupees ThirtyThree Thousand Nine Hundred Eighty Paise TwentySix Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:	Cum			0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)			9036.390	0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

11	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		198.700	0	0
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	10.180	1320.000	13437.6	Rupees Thirteen Thousand Four Hundred ThirtySeven Paise Sixty Only
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	Cum		7700.000	0	0
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	100 sqm		7968.000	0	0
16	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil	Cum		2193.900	0	0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.			787.400	0	0
18	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:	Cum			0	0
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	4.790	6434.010	30818.9079	Rupees Thirty Thousand Eight Hundred Eighteen Paise NinetyOne Only

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Part D (Construction of PST for WSS Bonibagh lelhar)

6.1	All kinds of soil :	cum	125.000	539.350	67418.75	Rupees SixtySeven Thousand Four Hundred Eighteen Paise SeventyFive Only
7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:	Cum			0	0
7.1	1 meter from cutting edge	Cum		436.000	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0	0
7.3	50 meter beyond 1 m from cutting edge			612.750	0	0
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 excavated earth as directed, within a lead of 50 metres:	Cum			0	0
8.1	All kinds of soil :	1 KL		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.			155.550	0	0
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).	Sqm			0	0
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Cum		247.750	0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

S.No.	Particulars of items	Units	Quantity	Allotted Rate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	700.000	11.360	7952	Rupees Seven Thousand Nine Hundred Fifty Two Only
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.			577.550	0	0
3	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.	each			0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	Cum		14214.350	0	0
4	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)			188.750	0	0
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :	Cum			0	0
5.1	All kinds of soil :			81.650	0	0
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.	Cum			0	0

Part C (construction of flash mixer)

37	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.				0	0
37	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0	0
38	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.				0	0
38	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0	0
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0	0
39	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0	0
39	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg		146.630	0	0
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.				0	0
40	M.S. tube	Kg		172.900	0	0
40	E.R.W. tubes	Kg		166.050	0	0
40	G.I. pipes	Kg		174.250	0	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0	0

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Part C (construction of flash mixer)

42	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.				0	0
42	Riveted and bolted	Kg		105.770	0	0
42	Welded	Kg		102.140	0	0
43	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				0	0
43	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0	0
43	Providing and fixing ball bearing for rolling shutters.	each		483.100	0	0
44	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.				0	0
44	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0	0
44	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0	0
45	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				0	0

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Part C (construction of flash mixer)

45	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660	0	0
46	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:				0	0
46	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0	0
47	1 : 3 (1 cement : 3 fine sand)	sqm	20.910	343.750	7187.8125	Rupees Seven Thousand One Hundred EightySeven Paise EightyOne Only
47	1 : 4 (1 cement : 4 fine sand)	sqm		325.450	0	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		221.500	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0	0
49	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		91.800	0	0
52	Applying priming coat:				0	0
52	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0

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Part C (construction of flash mixer)					
52	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm	60.400	0	0
52	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	52.750	0	0
52	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.			0	0
53	Two or more coats on new work	sqm	121.950	0	0
53	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	179.800	0	0
54	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	0
54	On steel work	sqm	188.800	0	0
54	On concrete work	sqm	183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm	115.450	0	0
56	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.	sqm	149.050	0	0
57	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			0	0
57	125 mm	each	66.350	0	0
57	100 mm	each	52.300	0	0

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Part C (construction of flash mixer)

58	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 :				0	0
58	150x10 mm	each		80.350	0	0
58	100x10 mm	each		57.350	0	0
59	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.				0	0
59	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm		830.250	0	0
60	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				0	0
60	0.80 mm thick with zinc coating not less than 275 gram/m2	m		762.450	0	0
60	0.63 mm thick with zinc coating not less than 275 gram/m2	m		691.350	0	0
60	0.50 mm thick with zinc coating not less than 275 gram/m2	m		626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0	0
61	250x32 mm (nominal size)	m		693.900	0	0
61	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0	0
63	250x32 mm (nominal size)	m		693.900	0	0
63	300x40 mm (nominal size)	m		998.850	0	0

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Part C (construction of flash mixer)

70	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.				0	0
70	80 mm dia. pipe	Joint		1100.000	0	0
70	100 mm dia. pipe	Joint		1520.000	0	0
70	125 mm dia. pipe	Joint		1855.000	0	0
70	150 mm dia. pipe	Joint	3.000	2150.000	6450	Rupees Six Thousand Four Hundred Fifty Only
71	200 mm dia. pipe	Joint		3480.000	0	0
71	250 mm dia. pipe	Joint		5030.000	0	0
71	300 mm dia. pipe	Joint		7710.000	0	0
71	350 mm dia. Pipe	Joint		9635.000	0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0	0
71	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71	Kickers (320mm wide, 5mm thick)	m		261.750	0	0

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Part C (construction of flash mixer)

72	<p>Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage</p>	m		547.600	0	0
73	<p>Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge</p>	sqm		800.000	0	0
73	<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.)</p>				0	0

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Part C (construction of flash mixer)

73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		504.130	0	0
73	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.)				0	0
73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350	0	0
74	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.)				0	0
74	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140	0	0

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Part C (construction of flash mixer)

75	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				0	0
75	50 mm dia	m		530.000	0	0
75	62.5 mm dia	m		1110.000	0	0
75	75 mm dia	m		1420.000	0	0
75	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76	3 km	Cum		172.590	0	0
76	4 km	Cum		189.750	0	0
76	5 Km	Cum	2.100	206.280	433.188	Rupees Four Hundred ThirtyThree Paise Nineteen Only
76	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
77	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77	3 km	Cum		172.590	0	0
77	4 km	Cum		189.750	0	0
77	5 km	Cum	0.02	206.280	4.1256	Rupees Four Paise Thirteen Only
77	Beyond 5 km upto 10 km per km	Cum	0.02	74.600	1.492	Rupee One Paise FourtyNine Only
78	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
78	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0
78	3 km	Cum		187.600	0	0
78	4 km	Cum		206.250	0	0

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Part C (construction of flash mixer)

78	5 Km	Cum	0.140	224.200	31.388	Rupees ThirtyOne Paise ThirtyNine Only
78	Beyond 5 km upto 10 km per km	Cum	0.140	81.100	11.354	Rupees Eleven Paise ThirtyFive Only
79	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
79	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0	0
79	3 km	Cum		203.060	0	0
79	4 km	Cum		223.240	0	0
79	5 Km	Cum		242.670	0	0
79	Beyond 5 km upto 10 km per km	Cum		52.650	0	0
80	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
80	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0	0
80	3 km	Tonne		153.420	0	0
80	4 km	Tonne		168.670	0	0
80	5 Km	Tonne	0.160	183.360	29.3376	Rupees TwentyNine Paise ThirtyFour Only
80	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
81	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
81	Beyond 20 km per additional km	Tonne		8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0	0
81	3 km	Cum		215.740	0	0
81	4 km	Cum		237.190	0	0
81	5 Km	Cum		257.840	0	0
81	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
82	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
82	Beyond 20 km per additional km	Cum		12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0	0
82	3 km	Tonne		153.420	0	0
82	4 km	Tonne		168.670	0	0

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Part C (construction of flash mixer)

			0.200	183.360	36.672	Rupees ThirtySix Paise SixtySeven Only
82	5 Km	Tonne				0
82	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
83	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
83	Beyond 20 km per additional km	Tonne		8.830	0	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	0
83	3 km	per 1000		460.253	0	0
83	4 km	per 1000		506.012	0	0
83	5 Km	per 1000		550.057	0	0
83	Beyond 5 km upto 10 km per km	per 1000		39.779	0	0
84	Beyond 10 km upto 20 km per km	per 1000		32.384	0	0
84	Beyond 20 km per additional km	per 1000		26.508	0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	0
84	3 km	Cum		197.248	0	0
84	4 km	Cum		216.856	0	0
84	5 Km	Cum		235.739	0	0
84	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
85	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
85	Beyond 20 km per additional km	Cum		11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	0
85	Ist 50m	Cum		209.900	0	0
85	Beyond Ist 50m	Cum		45.700	0	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	0
86	Ist 50m	Cum		209.900	0	0
86	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87	Ist 50m	Cum		226.920	0	0
87	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88	Ist 50m	Cum		246.940	0	0
88	Beyond Ist 50m	Cum		53.760	0	0

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Part C (construction of flash mixer)

89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89	Ist 50m	Tonne		261.100	0	0
89	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90	Ist 50m	Cum		209.900	0	0
90	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91	Ist 50m	Tonne		121.570	0	0
91	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92	Ist 50m	per 1000		391.817	0	0
92	Beyond Ist 50m	per 1000		85.307	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93	Ist 50m	Cum		167.854	0	0
93	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0

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Part C (construction of flash mixer)

96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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		1300.000	0	0
97	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)				0	0
97	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		230.000	0	0
98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.		393.300	0	0

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Part C (construction of flash mixer)

100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0
101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0

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Part C (construction of flash mixer)

109	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.		2360.950	0	0
110	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.		1500.000	0	0
111	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		325.000	0	0
112	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.				0	0
112	10 KVA	Job		27000.000	0	0
112	20 KVA	Job		37000.000	0	0
112	25 KVA	Job		42000.000	0	0
112	30 KVA	Job		47000.000	0	0
113	40 KVA	Job		57000.000	0	0
113	50 KVA	Job		67000.000	0	0
113	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		4250.000	0	0
114	Providing and fitting of:				0	0
114	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0

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Part C (construction of flash mixer)

114	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114	100 Amp-Copper bus bar	No		4550.000	0	0
114	64 Amp-Copper bus bar	No		3750.000	0	0
114	32 Amp-Copper bus bar	No		2850.000	0	0
114	100 Amp MCCB	No		3300.000	0	0
114	63 Amp MCCB	No		2700.000	0	0
114	40 Amp MCCB	No		2100.000	0	0
114	16 Amp MCCB	No		1250.000	0	0
114	6 Amp MCCB	No		630.000	0	0
114	3-phase indicator points	No		445.000	0	0
114	3-phase voltmeter and Amperemeters	No		1190.000	0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items: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				0	0
116	50 mm dia	m		530.000	0	0
116	62.5 mm dia	m		1110.000	0	0
116	75 mm dia	m		1420.000	0	0
116	100 mm dia	m		1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118	3-phase Electrically driven motor:				0	0
118	0.5 HP	No		2800.000	0	0
118	0.75 HP	No		3400.000	0	0
118	1.0 HP	No		4800.000	0	0
119	Foundation \ Base plate	Set		4548.000	0	0
119	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				0	0
119	Mixing device with reduction gear system.	Set		2500.000	0	0

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Part C (construction of flash mixer)

119	3-phase electrically driven motors:				0	0
119	0.5 HP	No		2800.000	0	0
119	0.75 HP	No		3400.000	0	0
119	1.0 HP	No		4800.000	0	0
119	Foundation / Base plate	Set		4548.000	0	0
119	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000	0	0
119	150mm dia drain out let	Lot		1350.000	0	0
119	50 mm dia Service water piping.	Lot		530.000	0	0
119	Constant dozing unit with time device	Set		1500.000	0	0
119	Manually operated hoist	Set		10000.000	0	0
120	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				0	0
120	Mixing device with reduction gear system.	Set		2500.000	0	0
120	3-phase electrically driven motors:				0	0
120	0.5 HP	No		2800.000	0	0
120	0.75 HP	No		3400.000	0	0
120	1.0 HP	No		4800.000	0	0
120	Foundation / Base plate.	Set		4548.000	0	0
120	P.V.C outlet, overflow system with fittings upto point of application.	Lot		530.000	0	0
120	Starter along with necessary wiring upto motor	No		1680.000	0	0
120	150 mm dia Drain out let	Lot		1350.000	0	0
120	50mm dia service water piping	Lot		530.000	0	0
120	Constant dozing unit with time device.	Set		1500.000	0	0
121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				0	0
121	80 mm dia.	Each		14058.000	0	0
121	100 mm dia.	Each		17210.000	0	0
121	125 mm dia.	Each		21000.000	0	0
121	150 mm dia.	Each		26720.000	0	0
122	200 mm dia.	Each		42300.000	0	0
122	250 mm dia.	Each		66440.000	0	0

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Part C (construction of flash mixer)

122	300 mm dia.	Each		83100.000	0	0
122	350 mm dia.	Each		181060.000	0	0
122	Air Scouring Arrangements				0	0
122	Providing fitting, testing and comiissioning 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	0
122	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
123	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
123	16.80 KLPM Air blower with 15.0 HP Motor.	No		175400.000	0	0
123	Up Wash Arrangements				0	0
124	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	0
124	Pumping unit with 5.0 HP Motor.	Set		20268.000	0	0
124	Pumping unit with 7.5 HP Motor.	Set		29115.000	0	0
124	Pumping unit with 12.5 HP Motor.	Set		46486.000	0	0
124	Pumping unit with 15.0 HP Motor.	Set		49866.000	0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0

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Part C (construction of flash mixer)

125	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	0
125	Riveted and bolted	Kg		105.770	0	0
125	Welded	Kg		102.140	0	0
125	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	0
125	On steel work	sqm		188.800	0	0
125	On concrete work	sqm		183.430	0	0
125	Central axle turn table with double bearing and guide for incoming cable.	Set		4800.000	0	0
125	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				0	0
125	Pumping unit with 2.0 HP Motor.	Set		19120.000	0	0
125	Pumping unit with 5.0 HP Motor.	Set		24268.000	0	0
125	Pumping unit with 7.5 HP Motor.	Set		33115.000	0	0
125	Starter along with necessary wiring upto motor	No		1680.000	0	0
125	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				0	0
125	0.5 HP	No		5300.000	0	0
125	0.75 HP	No		5900.000	0	0
125	1.0 HP	No		7300.000	0	0
125	Incoming cable, telescopic electric pole with rotary current collector	Set		6500.000	0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0	0
126	100 mm dia	m		1108.150	0	0
126	150 mm dia	m		1581.250	0	0
126	200 mm dia	m		1947.000	0	0
126	250 mm dia	m		2504.800	0	0
126	300 mm dia	m		3129.200	0	0
126	350 mm dia	m		3707.000	0	0

Ken
12/05/2016

Part C (construction of flash mixer)

126	400 mm dia	m		4440.200	0	0
126	450 mm dia	m		5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0	0
127	Up to 300 mm dia.	Quintal		7823.700	0	0
127	Over 300 mm dia.	Quintal		8225.100	0	0
128	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		147.000	0	0
	Total:-				99799.1896	
	Add 8% above on all items (excluding lump sump items)				7983.935168	
	G.Total:-				107783.1248	

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Part D (Construction of PST for WSS Bonibagh Ielhar)

125	Pumping unit with 7.5 HP Motor.	No		33115.000	0	0
125	Starter along with necessary wiring upto motor			1680.000	0	0
125	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete	No			0	0
125	0.5 HP	No		5300.000	0	0
125	0.75 HP	No		5900.000	0	0
125	1.0 HP	Set		7300.000	0	0
125	Incoming cable, telescopic electric pole with rotary current collector			6500.000	0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328	m			0	0
126	100 mm dia	m		1108.150	0	0
126	150 mm dia	m		1581.250	0	0
126	200 mm dia	m		1947.000	0	0
126	250 mm dia	m		2504.800	0	0
126	300 mm dia	m		3129.200	0	0
126	350 mm dia	m		3707.000	0	0
126	400 mm dia	m		4440.200	0	0
126	450 mm dia			5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal			0	0
127	Up to 300 mm dia.	Quintal		7823.700	0	0
127	Over 300 mm dia.	Kg		8225.100	0	0
128	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			147.000	0	0
	Total:-				2188675.5	✓
	Add 8% above on all items (excluding lump sump items)				175094.0	✓
	G.Total:-				2363769.5	✓

Part D (Construction of PST for WSS Bonibagh Ielhar)

124	Supply installation and successful testing and commissioning of mono block pumping unit standard make ISI mark coupled with 2 phase induction motor with appropriate pumping capacity so as to fill the tank within the max. of 2 hours with nominal dynamic head of 25m along with all accessories like foot valves, non- return valves, foundation block, base plate, suction pipe, suitable rising main with nominal dia 50mm (class-B) with heavy duty valves and other accessories required for the job.	Set			0	0
124	Pumping unit with 5.0 HP Motor.	Set		20268.000	0	0
124	Pumping unit with 7.5 HP Motor.	Set		29115.000	0	0
124	Pumping unit with 12.5 HP Motor.	Set		46486.000	0	0
124	Pumping unit with 15.0 HP Motor.			49866.000	0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0
125	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete for the Installation Testing and Commissioning of Half Bridge with Central Drive mechanism, scrapper and churners for required dia Clarifer.	Kg			0	0
125	Riveted and bolted	Kg		105.770	0	0
125	Welded			102.140	0	0
125	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			0	0
125	On steel work	sqm		188.800	0	0
125	On concrete work	Set		183.430	0	0
125	Central axle turn table with double bearing and guide for incoming cable.			4800.000	0	0
125	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).	Set			0	0
125	Pumping unit with 2.0 HP Motor.	Set		19120.000	0	0
125	Pumping unit with 5.0 HP Motor.	Set		24268.000	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.	Each			0	0
121	80 mm dia.	Each		14058.000	0	0
121	100 mm dia.	Each		17210.000	0	0
121	125 mm dia.	Each		21000.000	0	0
121	150 mm dia.	Each	3.000	26720.000	80160	Rupees Eighty Thousand One Hundred Sixty Only
122	200 mm dia.	Each		42300.000	0	0
122	250 mm dia.	Each		66440.000	0	0
122	300 mm dia.	Each		83100.000	0	0
122	350 mm dia.			181060.000	0	0
122	Air Scouring Arrangements				0	0
122	Providing fitting, testing and comissioning of air blower standard make ISI mark capable of providing compression @ 0.35 kgs/sqcm coupled with suitable 3 phase induction electric motor complete with auxilliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve , non- return valve, Starter etc	No			0	0
122	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
123	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
123	16.80 KLPM Air blower with 15.0 HP Motor.			175400.000	0	0
123	Up Wash Arrangements				0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

118	0.5 HP					
118	0.75 HP	No		2800.000	0	0
118	1.0 HP	No		3400.000	0	0
119	Foundation \ Base plate	Set		4800.000	0	0
119	Starter along with necessary wiring upto motor	No		4548.000	0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-	Set		1680.000	0	0
119	Mixing device with reduction gear system.				0	0
119	3-phase electrically driven motors:			2500.000	0	0
119	0.5 HP	No			0	0
119	0.75 HP	No		2800.000	0	0
119	1.0 HP	No		3400.000	0	0
119	Foundation / Base plate	Set		4800.000	0	0
119	Starter along with necessary wiring upto motor	No		4548.000	0	0
119	P.V.C outlet, overflow system with fittings upto point of application	Lot		1680.000	0	0
119	150mm dia drain out let	Lot		530.000	0	0
119	50 mm dia Service water piping.	Lot		1350.000	0	0
119	Constant dozing unit with time device	Set		530.000	0	0
119	Manually operated hoist	Set		1500.000	0	0
119	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-	Set		10000.000	0	0
120	Mixing device with reduction gear system.			2500.000	0	0
120	3-phase electrically driven motors:	No			0	0
120	0.5 HP	No		2800.000	0	0
120	0.75 HP	No		3400.000	0	0
120	1.0 HP	Set		4800.000	0	0
120	Foundation / Base plate.	Lot		4548.000	0	0
120	P.V.C outlet, overflow system with fittings upto point of application.	No		530.000	0	0
120	Starter along with necessary wiring upto motor	Lot		1680.000	0	0
120	150 mm dia Drain out let	Lot		1350.000	0	0
120	50mm dia service water piping	Set		530.000	0	0
120	Constant dozing unit with time device.			1500.000	0	0

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Part C (construction of flash mixer)

37	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.				0	0
37	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0	0
38	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.				0	0
38	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0	0
39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0	0
39	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0	0
39	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg		146.630	0	0
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.				0	0
40	M.S. tube	Kg		172.900	0	0
40	E.R.W. tubes	Kg		166.050	0	0
40	G.I. pipes	Kg		174.250	0	0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0	0

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Part C (construction of flash mixer)

42	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.				0	0
42	Riveted and bolted	Kg		105.770	0	0
42	Welded	Kg		102.140	0	0
43	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				0	0
43	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0	0
43	Providing and fixing ball bearing for rolling shutters.	each		483.100	0	0
44	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.				0	0
44	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0	0
44	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0	0
45	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				0	0

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Part C (construction of flash mixer)

45	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660	0	0
46	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:				0	0
46	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0	0
47	1 : 3 (1 cement : 3 fine sand)	sqm	20.910	343.750	7187.8125	Rupees Seven Thousand One Hundred EightySeven Paise EightyOne Only
47	1 : 4 (1 cement : 4 fine sand)	sqm		325.450	0	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		221.500	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0	0
49	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		91.800	0	0
52	Applying priming coat:				0	0
52	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0

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Part C (construction of flash mixer)

52	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm	60.400	0	0
52	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	52.750	0	0
52	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm	28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.			0	0
53	Two or more coats on new work	sqm	121.950	0	0
53	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	179.800	0	0
54	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	0
54	On steel work	sqm	188.800	0	0
54	On concrete work	sqm	183.430	0	0
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm	115.450	0	0
56	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.	sqm	149.050	0	0
57	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			0	0
57	125 mm	each	66.350	0	0
57	100 mm	each	52.300	0	0

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Part C (construction of flash mixer)

58	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 :				0	0
58	150x10 mm	each		80.350	0	0
58	100x10 mm	each		57.350	0	0
59	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.				0	0
59	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm		830.250	0	0
60	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				0	0
60	0.80 mm thick with zinc coating not less than 275 gram/m2	m		762.450	0	0
60	0.63 mm thick with zinc coating not less than 275 gram/m2	m		691.350	0	0
60	0.50 mm thick with zinc coating not less than 275 gram/m2	m		626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0	0
61	250x32 mm (nominal size)	m		693.900	0	0
61	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0	0
63	250x32 mm (nominal size)	m		693.900	0	0
63	300x40 mm (nominal size)	m		998.850	0	0

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Part C (construction of flash mixer)

70	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.				0	0
70	80 mm dia. pipe	Joint		1100.000	0	0
70	100 mm dia. pipe	Joint		1520.000	0	0
70	125 mm dia. pipe	Joint		1855.000	0	0
70	150 mm dia. pipe	Joint	3.000	2150.000	6450	Rupees Six Thousand Four Hundred Fifty Only
71	200 mm dia. pipe	Joint		3480.000	0	0
71	250 mm dia. pipe	Joint		5030.000	0	0
71	300 mm dia. pipe	Joint		7710.000	0	0
71	350 mm dia. Pipe	Joint		9635.000	0	0
71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0	0
71	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71	Kickers (320mm wide, 5mm thick)	m		261.750	0	0

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Part C (construction of flash mixer)

72	<p>Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage</p>	m		547.600	0	0
73	<p>Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge</p>	sqm		800.000	0	0
73	<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.)</p>				0	0

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Part C (construction of flash mixer)

73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		504.130	0	0
73	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.)				0	0
73	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350	0	0
74	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.)				0	0
74	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140	0	0

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Part C (construction of flash mixer)

75	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				0	0
75	50 mm dia	m		530.000	0	0
75	62.5 mm dia	m		1110.000	0	0
75	75 mm dia	m		1420.000	0	0
75	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76	3 km	Cum		172.590	0	0
76	4 km	Cum		189.750	0	0
76	5 Km	Cum	2.100	206.280	433.188	Rupees Four Hundred ThirtyThree Paise Nineteen Only
76	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
77	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77	3 km	Cum		172.590	0	0
77	4 km	Cum		189.750	0	0
77	5 km	Cum	0.02	206.280	4.1256	Rupees Four Paise Thirteen Only
77	Beyond 5 km upto 10 km per km	Cum	0.02	74.600	1.492	Rupee One Paise FourtyNine Only
78	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
78	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0
78	3 km	Cum		187.600	0	0
78	4 km	Cum		206.250	0	0

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Part C (construction of flash mixer)

78	5 Km	Cum	0.140	224.200	31.388	Rupees ThirtyOne Paise ThirtyNine Only
78	Beyond 5 km upto 10 km per km	Cum	0.140	81.100	11.354	Rupees Eleven Paise ThirtyFive Only
79	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
79	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0	0
79	3 km	Cum		203.060	0	0
79	4 km	Cum		223.240	0	0
79	5 Km	Cum		242.670	0	0
79	Beyond 5 km upto 10 km per km	Cum		52.650	0	0
80	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
80	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0	0
80	3 km	Tonne		153.420	0	0
80	4 km	Tonne		168.670	0	0
80	5 Km	Tonne	0.160	183.360	29.3376	Rupees TwentyNine Paise ThirtyFour Only
80	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
81	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
81	Beyond 20 km per additional km	Tonne		8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:				0	0
81	3 km	Cum		215.740	0	0
81	4 km	Cum		237.190	0	0
81	5 Km	Cum		257.840	0	0
81	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
82	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
82	Beyond 20 km per additional km	Cum		12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0	0
82	3 km	Tonne		153.420	0	0
82	4 km	Tonne		168.670	0	0

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Part C (construction of flash mixer)

			0.200	183.360	36.672	Rupees ThirtySix Paise SixtySeven Only
82	5 Km	Tonne				0
82	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
83	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
83	Beyond 20 km per additional km	Tonne		8.830	0	0
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	0
83	3 km	per 1000		460.253	0	0
83	4 km	per 1000		506.012	0	0
83	5 Km	per 1000		550.057	0	0
83	Beyond 5 km upto 10 km per km	per 1000		39.779	0	0
84	Beyond 10 km upto 20 km per km	per 1000		32.384	0	0
84	Beyond 20 km per additional km	per 1000		26.508	0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	0
84	3 km	Cum		197.248	0	0
84	4 km	Cum		216.856	0	0
84	5 Km	Cum		235.739	0	0
84	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
85	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
85	Beyond 20 km per additional km	Cum		11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	0
85	Ist 50m	Cum		209.900	0	0
85	Beyond Ist 50m	Cum		45.700	0	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	0
86	Ist 50m	Cum		209.900	0	0
86	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87	Ist 50m	Cum		226.920	0	0
87	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88	Ist 50m	Cum		246.940	0	0
88	Beyond Ist 50m	Cum		53.760	0	0

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Part C (construction of flash mixer)

89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89	Ist 50m	Tonne		261.100	0	0
89	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90	Ist 50m	Cum		209.900	0	0
90	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91	Ist 50m	Tonne		121.570	0	0
91	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92	Ist 50m	per 1000		391.817	0	0
92	Beyond Ist 50m	per 1000		85.307	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93	Ist 50m	Cum		167.854	0	0
93	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0

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Part C (construction of flash mixer)

96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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		1300.000	0	0
97	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)				0	0
97	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		230.000	0	0
98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc., as required.	No.		393.300	0	0

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Part C (construction of flash mixer)

100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0
101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0

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Part C (construction of flash mixer)

109	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.		2360.950	0	0
110	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.		1500.000	0	0
111	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		325.000	0	0
112	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.				0	0
112	10 KVA	Job		27000.000	0	0
112	20 KVA	Job		37000.000	0	0
112	25 KVA	Job		42000.000	0	0
112	30 KVA	Job		47000.000	0	0
113	40 KVA	Job		57000.000	0	0
113	50 KVA	Job		67000.000	0	0
113	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		4250.000	0	0
114	Providing and fitting of:				0	0
114	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0

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Part C (construction of flash mixer)

114	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114	100 Amp-Copper bus bar	No		4550.000	0	0
114	64 Amp-Copper bus bar	No		3750.000	0	0
114	32 Amp-Copper bus bar	No		2850.000	0	0
114	100 Amp MCCB	No		3300.000	0	0
114	63 Amp MCCB	No		2700.000	0	0
114	40 Amp MCCB	No		2100.000	0	0
114	16 Amp MCCB	No		1250.000	0	0
114	6 Amp MCCB	No		630.000	0	0
114	3-phase indicator points	No		445.000	0	0
114	3-phase voltmeter and Amperemeters	No		1190.000	0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items: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				0	0
116	50 mm dia	m		530.000	0	0
116	62.5 mm dia	m		1110.000	0	0
116	75 mm dia	m		1420.000	0	0
116	100 mm dia	m		1990.000	0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118	3-phase Electrically driven motor:				0	0
118	0.5 HP	No		2800.000	0	0
118	0.75 HP	No		3400.000	0	0
118	1.0 HP	No		4800.000	0	0
119	Foundation \ Base plate	Set		4548.000	0	0
119	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-				0	0
119	Mixing device with reduction gear system.	Set		2500.000	0	0

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Part C (construction of flash mixer)

119	3-phase electrically driven motors:				0	0
119	0.5 HP	No		2800.000	0	0
119	0.75 HP	No		3400.000	0	0
119	1.0 HP	No		4800.000	0	0
119	Foundation / Base plate	Set		4548.000	0	0
119	Starter along with necessary wiring upto motor	No		1680.000	0	0
119	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000	0	0
119	150mm dia drain out let	Lot		1350.000	0	0
119	50 mm dia Service water piping.	Lot		530.000	0	0
119	Constant dozing unit with time device	Set		1500.000	0	0
119	Manually operated hoist	Set		10000.000	0	0
120	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-				0	0
120	Mixing device with reduction gear system.	Set		2500.000	0	0
120	3-phase electrically driven motors:				0	0
120	0.5 HP	No		2800.000	0	0
120	0.75 HP	No		3400.000	0	0
120	1.0 HP	No		4800.000	0	0
120	Foundation / Base plate.	Set		4548.000	0	0
120	P.V.C outlet, overflow system with fittings upto point of application.	Lot		530.000	0	0
120	Starter along with necessary wiring upto motor	No		1680.000	0	0
120	150 mm dia Drain out let	Lot		1350.000	0	0
120	50mm dia service water piping	Lot		530.000	0	0
120	Constant dozing unit with time device.	Set		1500.000	0	0
121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.				0	0
121	80 mm dia.	Each		14058.000	0	0
121	100 mm dia.	Each		17210.000	0	0
121	125 mm dia.	Each		21000.000	0	0
121	150 mm dia.	Each		26720.000	0	0
122	200 mm dia.	Each		42300.000	0	0
122	250 mm dia.	Each		66440.000	0	0

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Part C (construction of flash mixer)

122	300 mm dia.	Each		83100.000	0	0
122	350 mm dia.	Each		181060.000	0	0
122	Air Scouring Arrangements				0	0
122	Providing fitting, testing and comiissioning 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	0
122	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
123	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
123	16.80 KLPM Air blower with 15.0 HP Motor.	No		175400.000	0	0
123	Up Wash Arrangements				0	0
124	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	0
124	Pumping unit with 5.0 HP Motor.	Set		20268.000	0	0
124	Pumping unit with 7.5 HP Motor.	Set		29115.000	0	0
124	Pumping unit with 12.5 HP Motor.	Set		46486.000	0	0
124	Pumping unit with 15.0 HP Motor.	Set		49866.000	0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0

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Part C (construction of flash mixer)

125	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	0
125	Riveted and bolted	Kg		105.770	0	0
125	Welded	Kg		102.140	0	0
125	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	0
125	On steel work	sqm		188.800	0	0
125	On concrete work	sqm		183.430	0	0
125	Central axle turn table with double bearing and guide for incoming cable.	Set		4800.000	0	0
125	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				0	0
125	Pumping unit with 2.0 HP Motor.	Set		19120.000	0	0
125	Pumping unit with 5.0 HP Motor.	Set		24268.000	0	0
125	Pumping unit with 7.5 HP Motor.	Set		33115.000	0	0
125	Starter along with necessary wiring upto motor	No		1680.000	0	0
125	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.				0	0
125	0.5 HP	No		5300.000	0	0
125	0.75 HP	No		5900.000	0	0
125	1.0 HP	No		7300.000	0	0
125	Incoming cable, telescopic electric pole with rotary current collector	Set		6500.000	0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328				0	0
126	100 mm dia	m		1108.150	0	0
126	150 mm dia	m		1581.250	0	0
126	200 mm dia	m		1947.000	0	0
126	250 mm dia	m		2504.800	0	0
126	300 mm dia	m		3129.200	0	0
126	350 mm dia	m		3707.000	0	0

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Part C (construction of flash mixer)

126	400 mm dia	m		4440.200	0	0
126	450 mm dia	m		5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0	0
127	Up to 300 mm dia.	Quintal		7823.700	0	0
127	Over 300 mm dia.	Quintal		8225.100	0	0
128	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		147.000	0	0
	Total:-				99799.1896	
	Add 8% above on all items (excluding lump sump items)				7983.935168	
	G.Total:-				107783.1248	

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Part D (Construction of PST for WSS Bonibagh Ielhar)

125	Pumping unit with 7.5 HP Motor.	No		33115.000	0	0
125	Starter along with necessary wiring upto motor			1680.000	0	0
125	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete	No			0	0
125	0.5 HP	No		5300.000	0	0
125	0.75 HP	No		5900.000	0	0
125	1.0 HP	Set		7300.000	0	0
125	Incoming cable, telescopic electric pole with rotary current collector			6500.000	0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328	m			0	0
126	100 mm dia	m		1108.150	0	0
126	150 mm dia	m		1581.250	0	0
126	200 mm dia	m		1947.000	0	0
126	250 mm dia	m		2504.800	0	0
126	300 mm dia	m		3129.200	0	0
126	350 mm dia	m		3707.000	0	0
126	400 mm dia	m		4440.200	0	0
126	450 mm dia			5378.150	0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal			0	0
127	Up to 300 mm dia.	Quintal		7823.700	0	0
127	Over 300 mm dia.	Kg		8225.100	0	0
128	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			147.000	0	0
	Total:-				2188675.5	✓
	Add 8% above on all items (excluding lump sump items)				175094.0	✓
	G.Total:-				2363769.5	✓

Part D (Construction of PST for WSS Bonibagh Ielhar)

124	Supply installation and successful testing and commissioning of mono block pumping unit standard make ISI mark coupled with 2 phase induction motor with appropriate pumping capacity so as to fill the tank within the max. of 2 hours with nominal dynamic head of 25m along with all accessories like foot valves, non- return valves, foundation block, base plate, suction pipe, suitable rising main with nominal dia 50mm (class-B) with heavy duty valves and other accessories required for the job.	Set			0	0
124	Pumping unit with 5.0 HP Motor.	Set		20268.000	0	0
124	Pumping unit with 7.5 HP Motor.	Set		29115.000	0	0
124	Pumping unit with 12.5 HP Motor.	Set		46486.000	0	0
124	Pumping unit with 15.0 HP Motor.			49866.000	0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0
125	Structural steel work in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete for the Installation Testing and Commissioning of Half Bridge with Central Drive mechanism, scrapper and churners for required dia Clarifer.	Kg			0	0
125	Riveted and bolted	Kg		105.770	0	0
125	Welded			102.140	0	0
125	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			0	0
125	On steel work	sqm		188.800	0	0
125	On concrete work	Set		183.430	0	0
125	Central axle turn table with double bearing and guide for incoming cable.			4800.000	0	0
125	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).	Set			0	0
125	Pumping unit with 2.0 HP Motor.	Set		19120.000	0	0
125	Pumping unit with 5.0 HP Motor.	Set		24268.000	0	0

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Part D (Construction of PST for WSS Bonibagh Ielhar)

121	Providing and fixing D.I. sluice valves Class 1 (with cap) complete with rubber insertions, bolts, nuts, extention rod, joint connector, supporting pedestal with base plate, top plate and necessary anchoring bolts etc. (the tail pieces if required will be paid separately). Confirming to IS:14846 read with latest amendments.	Each			0	0
121	80 mm dia.	Each		14058.000	0	0
121	100 mm dia.	Each		17210.000	0	0
121	125 mm dia.	Each		21000.000	0	0
121	150 mm dia.	Each	3.000	26720.000	80160	Rupees Eighty Thousand One Hundred Sixty Only
122	200 mm dia.	Each		42300.000	0	0
122	250 mm dia.	Each		66440.000	0	0
122	300 mm dia.	Each		83100.000	0	0
122	350 mm dia.			181060.000	0	0
122	Air Scouring Arrangements				0	0
122	Providing fitting, testing and comissioning of air blower standard make ISI mark capable of providing compression @ 0.35 kgs/sqcm coupled with suitable 3 phase induction electric motor complete with auxilliary pipe system upto filter beds with pressure guage, Nozzles, foundation block, base plate, air check valve , non- return valve, Starter etc	No			0	0
122	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0	0
122	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0	0
122	8.2 KLPM Air blower with 7.5 HP Motor.	No		125000.000	0	0
122	10.6 KLPM Air blower with 10.0 HP Motor.	No		153400.000	0	0
123	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0	0
123	16.80 KLPM Air blower with 15.0 HP Motor.			175400.000	0	0
123	Up Wash Arrangements				0	0

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Part D (Construction of PST for WSS Bonibagh lelhar)

118	0.5 HP					
118	0.75 HP	No		2800.000	0	0
118	1.0 HP	No		3400.000	0	0
119	Foundation \ Base plate	Set		4800.000	0	0
119	Starter along with necessary wiring upto motor	No		4548.000	0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-	Set		1680.000	0	0
119	Mixing device with reduction gear system.				0	0
119	3-phase electrically driven motors:			2500.000	0	0
119	0.5 HP	No			0	0
119	0.75 HP	No		2800.000	0	0
119	1.0 HP	No		3400.000	0	0
119	Foundation / Base plate	Set		4800.000	0	0
119	Starter along with necessary wiring upto motor	No		4548.000	0	0
119	P.V.C outlet, overflow system with fittings upto point of application	Lot		1680.000	0	0
119	150mm dia drain out let	Lot		530.000	0	0
119	50 mm dia Service water piping.	Lot		1350.000	0	0
119	Constant dozing unit with time device	Set		530.000	0	0
119	Manually operated hoist	Set		1500.000	0	0
119	Providing, fitting, testing and commissioning of following itemns for Chlorine Dosing Unit-	Set		10000.000	0	0
120	Mixing device with reduction gear system.			2500.000	0	0
120	3-phase electrically driven motors:	No			0	0
120	0.5 HP	No		2800.000	0	0
120	0.75 HP	No		3400.000	0	0
120	1.0 HP	Set		4800.000	0	0
120	Foundation / Base plate.	Lot		4548.000	0	0
120	P.V.C outlet, overflow system with fittings upto point of application.	No		530.000	0	0
120	Starter along with necessary wiring upto motor	Lot		1680.000	0	0
120	150 mm dia Drain out let	Lot		1350.000	0	0
120	50mm dia service water piping	Set		530.000	0	0
120	Constant dozing unit with time device.			1500.000	0	0

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Part E(Collection Sump of WSS Bonibagh Lelhar)

S.No.	Particulars of items	Units	Quantity	Allotted Rate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360		0
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	0	0
4	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	220.780	188.750	41672.225	Rupees FourtyOne Thousand Six Hundred SeventyTwo Paise TwentyThree Only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0	0
5.1	All kinds of soil :	Cum	176.630	81.650	14421.8395	Rupees Fourteen Thousand Four Hundred TwentyOne Paise EightyFour Only
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.				0	0
6.1	All kinds of soil :	Cum	220.780	539.350	119077.693	Rupees One Lakh Nineteen Thousand SeventySeven

Part E (Collection Sump of WSS Bonibagh Lelhar)

7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:				0	
				436.000	0	0
7.1	1 meter from cutting edge	Cum		524.400	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		612.750	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum				
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 excavated earth as directed, within a lead of 50 metres:					0
8.1	All kinds of soil :	Cum		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL ✓	200.000 ✓	155.550 ✓	31110.00 ✓	Rupees ThirtyOne Thousand One Hundred Ten
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).					
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0	0
11	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	79.480 ✓	198.700 ✓	15792.676 ✓	Rupees Fifteen Thousand Seven Hundred NinetyTwo Paise SixtyEight Only
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	16.150 ✓	1320.000 ✓	21318 ✓	Rupees TwentyOne Thousand Three Hundred Eighteen Only

Part E(Collection Sump of WSS Bonibagh Lelhar)

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	Cum		7700.000	0		
15	Supply and filling of filter media from approved source Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7968.000	0		0
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm		2193.900	0		0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	0		0
18	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:				0		0
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010	0		0
18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0		0
18.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	14.250	4861.840	69281.22		Rupees SixtyNine Thousand Two Hundred EightyOne Paise TwentyTwo Only
19	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				0		0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.760	0		0
20	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.				0		0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.610	9408.140	5738.9654		Thousand Seven Hundred ThirtyEight Paise NinetySeven Only
21	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:				0		0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	16.930	9849.350	166749.4955		Rupees One Lakh SixtySix Thousand Seven Hundred FourtyNine Paise Fifty Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0		0

Part E(Collection Sump of WSS Bonibagh Lehar)

				9036.390	0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:			10404.520	0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:			9600.640	0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	
25	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.					0
25.1	All works upto plinth level	Cum	25.470	7911.260	201499.7922	Rupees Two Lakh One Thousand Four Hundred NinetyNine Paise SeventyNine Only
25.2	All works above plinth level upto floor V level	Cum	17.330	9302.980	161220.6434	Rupees One Lakh SixtyOne Thousand Two Hundred Twenty Paise SixtyFour Only
26	Extra for providing richer mixes at all floor levels. Note: Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	43.410	111.870	4856.2767	Rupees Four Thousand Eight Hundred FiftySix Paise TwentyEight Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal		1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.980	262.300	3929.254	Rupees Three Thousand Nine Hundred TwentyNine Paise TwentyFive Only

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29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	14.980	573.850	8596.273	Rupees Eight Thousand Five Hundred NinetySix Paise TwentySeven Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	63.590	635.600	40417.804	Rupees Fourty Thousand Four Hundred Seventeen Paise Eighty Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	56.270	502.850	28295.3695	Rupees TwentyEight Thousand Two Hundred NinetyFive Paise ThirtySeven Only
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm	5.400	680.150	3672.81	Rupees Three Thousand Six Hundred SeventyTwo Paise EightyOne Only
29.06	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0
29.07	Spiral staircases (including landings)	sqm		619.800	0	0
29.08	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29.09	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29.1	Chimney and shafts	sqm		573.850	0	0
29.11	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm		0.200	0	0
	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.980	52.460	785.8508	Rupees Seven Hundred EightyFive Paise EightyFive Only
	walls	sqm	173.330	114.770	19893.0841	Rupees Nineteen Thousand Eight Hundred NinetyThree Paise Eight Only
	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	56.270	100.570	5659.0739	Rupees Five Thousand Six Hundred FiftyNine Paise Seven Only
29.12	Edges of slabs and breaks in floors and walls	RM	29.520	242.300	7152.696	Rupees Seven Thousand One Hundred FiftyTwo Paise Seventy Only
29.13	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).				0	0
29.14	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	347.300	57.900	20108.67	Rupees Twenty Thousand One Hundred Eight Paise SixtySeven Only

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31	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				0	
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	5978.090	87.180	521169.8862	Rupees Five Lakh TwentyOne Thousand One Hundred SixtyNine Paise EightyNine Only
31.2	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				0	0
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0	0
32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0	0
34	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).				0	0
34.1	First class kail wood	Cum		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0	0
36	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				0	0
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0	0
37	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.				0	0
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0	0
38	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.				0	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0	0

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39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0		0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0		0
	Gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	150.000	146.630	21994.5	Rupees TwentyOne Thousand Nine Hundred NinetyFour Paise Fifty Only	0
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.				0		0
40.1	M.S. tube	Kg		172.900	0		0
40.2	E.R.W. tubes	Kg		166.050	0		0
40.3	G.I. pipes	Kg		174.250	0		0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0		0
42	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.				0		0
42.1	Riveted and bolted	Kg		105.770	0		0
42.2	Welded	Kg		102.140	0		0
43	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				0		0
43.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0		0
43.2	Providing and fixing ball bearing for rolling shutters.	each		483.100	0		0
44	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.				0		0
44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0		0
44.2	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0		0
45	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				0		0

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45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660	0	0
46	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:				0	0
46.1	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	277.360	343.750	95342.5	Rupees NinetyFive Thousand Three Hundred FourtyTwo Paise Fifty Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm				
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		325.450	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0	0
49.1	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		91.800	0	0
52	Applying priming coat:				0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	0	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750	0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0	0
53.1	Two or more coats on new work	sqm		121.950	0	0
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm		179.800	0	0
54	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	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0

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55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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	sqm		149.050	0	0
57	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				0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm	each		52.300	0	0
58	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 :				0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm	each		57.350	0	0
59	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.				0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm		830.250	0	0
60	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				0	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m2	m		762.450	0	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m2	m		691.350	0	0
60.3	0.50 mm thick with zinc coating not less than 275 gram/m2	m		626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0	0
61.1	250x32 mm (nominal size)	m		693.900	0	0
61.2	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0	0
63.1	250x32 mm (nominal size)	m		693.900	0	0
63.2	300x40 mm (nominal size)	m		998.850	0	0
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0

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65	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.				0		0
				129.500	0		0
65.1	1 mm thick	sqm		172.400	0		0
65.2	2 mm thick	sqm			0		0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)				0		0
66.01	15 mm dia. nominal bore	m		163.550	0		0
66.02	20 mm dia. nominal bore	m		204.450	0		0
66.03	25 mm dia. nominal bore	m		298.150	0		0
66.04	32 mm dia. nominal bore	m		360.900	0		0
66.05	40 mm dia. nominal bore	m		418.800	0		0
66.06	50 mm dia. nominal bore	m		559.350	0		0
66.07	65 mm dia. nominal bore	m		711.700	0		0
66.08	80 mm dia. nominal bore	m		840.000	0		0
66.09	100 mm dia. nominal bore	m		1234.950	0		0
66.1	150 mm dia. nominal bore	m		2167.650	0		0
67	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.				0		0
67.1	80 mm dia. Class 1	Each		10815.000	0		0
67.2	100 mm dia. Class 1	Each		13164.000	0		0
67.3	125 mm dia. Class 1	Each		15961.000	0		0
67.4	150 mm dia. Class 1	Each		20243.000	0		0
67.5	200 mm dia. Class 1	Each		31698.000	0		0
67.6	250 mm dia. Class 1	Each		50356.000	0		0
67.7	300 mm dia. Class 1	Each		62066.000	0		0
67.8	350 mm dia. Class 1	Each		147031.000	0		0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)				0		0
69.1	Up to 300 mm dia.	Quintal		7823.700	0		0
69.2	Over 300 mm dia.	Quintal		8225.100	0		0
70	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.				0		0
70.1	80 mm dia. pipe	Joint		1100.000	0		0
70.2	100 mm dia. pipe	Joint		1520.000	0		0
70.3	125 mm dia. pipe	Joint		1855.000	0		0
70.4	150 mm dia. pipe	Joint		2150.000	0		0
70.5	200 mm dia. pipe	Joint		3480.000	0		0
70.6	250 mm dia. pipe	Joint		5030.000	0		0
70.7	300 mm dia. pipe	Joint		7710.000	0		0
70.8	350 mm dia. Pipe	Joint		9635.000	0		0

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71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m		547.600	0	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm		800.000	0	0
73.01	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.)				0	0
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		504.130	0	0
73.05	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.)				0	0
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0

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65 Providing and applying white cement based putty of specified thickness, of approved brand and

				588.890	0	0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350	0	0
74	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 engineering charge. (Cost of aluminum snap beading shall be paid in basic item.)				0	0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140	0	0
75	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				0	0
75.1	50 mm dia	m		530.000	0	0
75.2	62.5 mm dia	m		1110.000	0	0
75.3	75 mm dia	m		1420.000	0	0
75.4	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	52.325	206.280	10793.601	Rupees Ten Thousand Seven Hundred NinetyThree Paise Sixty Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77.1	3 km	Cum		172.590	0	0
77.2	4 km	Cum		189.750	0	0
77.3	5 km	Cum	1.425	206.280	293.949	Rupees Two Hundred NinetyThree Paise NinetyFive Only
77.4	Beyond 5 km upto 10 km per km	Cum	1.425	74.600	106.305	Rupees One Hundred Six Paise ThirtyOne Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77.6	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0

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78.1	3 km	Cum		187.600	0	0
78.2	4 km	Cum		206.250	0	0
78.3	5 Km	Cum	12.825	224.200	2875.365	Rupees Two Thousand Eight Hundred SeventyFive Paise ThirtySeven Only
78.4	Beyond 5 km upto 10 km per km	Cum	12.825	81.100	1040.1075	Rupees One Thousand Forty Paise Eleven Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
78.6	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling					0
79.1	3 km	Cum		203.060	0	0
79.2	4 km	Cum		223.240	0	0
79.3	5 Km	Cum		242.670	0	0
79.4	Beyond 5 km upto 10 km per km	Cum		17.550	0	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
79.6	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:					0
80.1	3 km	Tonne		153.420	0	0
80.2	4 km	Tonne		168.670	0	0
80.3	5 Km	Tonne	5.670	183.360	1039.6512	Rupees One Thousand ThirtyNine Paise SixtyFive Only
80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
80.6	Beyond 20 km per additional km	Tonne		8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:					0
81.1	3 km	Cum		215.740	0	0
81.2	4 km	Cum		237.190	0	0
81.3	5 Km	Cum		257.840	0	0
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
81.6	Beyond 20 km per additional km	Cum		12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:					0
82.1	3 km	Tonne		153.420	0	0
82.2	4 km	Tonne		168.670	0	0
82.3	5 Km	Tonne	26.600	183.360	4877.376	Rupees Four Thousand Eight Hundred SeventySeven Paise ThirtyEight Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
82.6	Beyond 20 km per additional km	Tonne		8.830	0	0

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65 Providing and applying white cement based putty of specified thickness, of approved brand and

83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	0
				460.253	0	0
83.1	3 km	per 1000		506.012	0	0
83.2	4 km	per 1000		550.057	0	0
83.3	5 Km	per 1000		39.779	0	0
83.4	Beyond 5 km upto 10 km per km	per 1000		32.384	0	0
83.5	Beyond 10 km upto 20 km per km	per 1000		26.508	0	0
83.6	Beyond 20 km per additional km	per 1000			0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	0
84.1	3 km	Cum		197.248	0	0
84.2	4 km	Cum		216.856	0	0
84.3	5 Km	Cum		235.739	0	0
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
84.6	Beyond 20 km per additional km	Cum		11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	0
85.1	Ist 50m	Cum		209.900	0	0
85.2	Beyond Ist 50m	Cum		45.700	0	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	0
86.1	Ist 50m	Cum		209.900	0	0
86.2	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87.1	Ist 50m	Cum		226.920	0	0
87.2	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88.1	Ist 50m	Cum		246.940	0	0
88.2	Beyond Ist 50m	Cum		53.760	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89.1	Ist 50m	Tonne		261.100	0	0
89.2	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90.1	Ist 50m	Cum		209.900	0	0
90.2	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91.1	Ist 50m	Tonne		121.570	0	0
91.2	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92.1	Ist 50m	per 1000		391.817	0	0
92.2	Beyond Ist 50m	per 1000		85.307	0	0

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93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93.1	Ist 50m	Cum		167.854	0	0
93.2	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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		1300.000	0	0
97.1	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)				0	0
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		230.000	0	0
98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc. as required.	No.		393.300	0	0
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0

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101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0
109	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.		2360.950	0	0
110	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.		1500.000	0	0
111	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		325.000	0	0
112	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.				0	0
112.1	10 KVA	Job		27000.000	0	0
112.2	20 KVA	Job		37000.000	0	0
112.3	25 KVA	Job		42000.000	0	0
112.4	30 KVA	Job		47000.000	0	0
112.5	40 KVA	Job		57000.000	0	0
112.6	50 KVA	Job		67000.000	0	0

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113	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		4250.000	0	0
114	Providing and fitting of:				0	0
	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0
114.02	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114.03	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114.04	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114.05	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114.06	100 Amp-Copper bus bar	No		4550.000	0	0
		No		3750.000	0	0
114.07	64 Amp-Copper bus bar	No		2850.000		
114.08	32 Amp-Copper bus bar	No		3300.000	0	0
114.09	100 Amp MCCB	No		2700.000	0	0
114.1	63 Amp MCCB	No		2100.000	0	0
114.11	40 Amp MCCB	No		1250.000	0	0
114.12	16 Amp MCCB	No		630.000	0	0
114.13	6 Amp MCCB	No		445.000	0	0
114.14	3-phase indicator points	No		1190.000	0	0
114.15	3-phase voltmeter and Amperemeters				0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items:Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m		530.000	0	0
116.1	50 mm dia	m		1110.000	0	0
116.2	62.5 mm dia	m		1420.000	0	0
116.3	75 mm dia	m		1990.000	0	0
116.4	100 mm dia				0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118.1	3-phase Electrically driven motor:	No		2800.000	0	0
118.2	0.5 HP	No		3400.000	0	0
118.3	0.75 HP	No		4800.000	0	0
118.4	1.0 HP	Set		4548.000	0	0
118.5	Foundation \ Base plate	No		1680.000	0	0
118.6	Starter along with necessary wiring upto motor				0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-	Set		2500.000	0	0
119.01	Mixing device with reduction gear system.				0	0
119.02	3-phase electrically driven motors:	No		2800.000	0	0
119.03	0.5 HP	No		3400.000	0	0
119.04	0.75 HP	No		4800.000	0	0
119.05	1.0 HP	Set		4548.000	0	0
119.06	Foundation / Base plate	No		1680.000	0	0
119.07	Starter along with necessary wiring upto motor	Lot		530.000	0	0

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				1350.000	0	0
119.08	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000	0	0
119.09	150mm dia drain out let	Lot		1500.000	0	0
119.1	50 mm dia Service water piping.	Set		10000.000	0	0
119.11	Constant dosing unit with time device	Set			0	0
119.12	Manually operated hoist			2500.000	0	
120	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-	Set			0	0
120.01	Mixing device with reduction gear system.			2800.000	0	0
120.02	3-phase electrically driven motors:	No		3400.000	0	0
120.03	0.5 HP	No		4800.000	0	0
120.04	0.75 HP	No		4548.000	0	0
120.05	1.0 HP	Set		530.000	0	0
120.06	Foundation / Base plate.	Lot		1680.000	0	0
120.07	P.V.C outlet, overflow system with fittings upto point of application.	No		1350.000	0	0
120.08	Starter along with necessary wiring upto motor	Lot		530.000	0	0
120.09	150 mm dia Drain out let	Lot		1500.000	0	0
120.1	50mm dia service water piping	Set			0	0
120.11	Constant dosing unit with time device.				0	0
121	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		14058.000	0	0
121.1	80 mm dia.	Each		17210.000	0	0
121.2	100 mm dia.	Each		21000.000	0	0
121.3	125 mm dia.	Each		26720.000	0	0
121.4	150 mm dia.	Each		42300.000	0	0
121.5	200 mm dia.	Each		66440.000	0	0
121.6	250 mm dia.	Each		83100.000	0	0
121.7	300 mm dia.	Each		181060.000	0	0
121.8	350 mm dia.				0	0
121.9	Air Scouring Arrangements				0	0
122	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		67500.000	0	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No		87500.000	0	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No		125000.000	0	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No		153400.000	0	0
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No		163400.000	0	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No		175400.000	0	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.				0	0

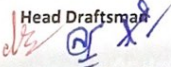
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123	Up Wash Arrangements				0	0
124	Supply installation and successful testing and commissioning of mono block pumping unit standard make ISI mark coupled with 2 phase induction motor with appropriate pumping capacity so as to fill the tank within the max. of 2 hours with nominal dynamic head of 25m along with all accessories like foot valves, non-return valves, foundation block, base plate, suction pipe, suitable rising main with nominal dia 50mm (class-B) with heavy duty valves and other accessories required for the job.	Set		20268.000	0	0
124.1	Pumping unit with 5.0 HP Motor.	Set		29115.000	0	0
124.2	Pumping unit with 7.5 HP Motor.	Set		46486.000	0	0
124.3	Pumping unit with 12.5 HP Motor.	Set		49866.000	0	0
124.4	Pumping unit with 15.0 HP Motor.				0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0
125.01	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	Kg		105.770	0	0
125.02	Riveted and bolted	Kg		102.140	0	0
125.03	Welded				0	0
125.04	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		188.800	0	0
125.05	On steel work	sqm		183.430	0	0
125.06	On concrete work	Set		4800.000	0	0
125.07	Central axle turn table with double bearing and guide for incoming cable.				0	0
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).	Set		19120.000	0	0
125.09	Pumping unit with 2.0 HP Motor.	Set		24268.000	0	0
125.1	Pumping unit with 5.0 HP Motor.	Set		33115.000	0	0
125.11	Pumping unit with 7.5 HP Motor.	No		1680.000	0	0
125.12	Starter along with necessary wiring upto motor				0	0
125.13	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	No		5300.000	0	0
125.14	0.5 HP	No		5900.000	0	0
125.15	0.75 HP	No		7300.000	0	0
125.16	1.0 HP	Set		6500.000	0	0
125.17	Incoming cable, telescopic electric pole with rotary current collector				0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328	m		1108.150	0	0
126.01	100 mm dia	m		1581.250	0	0
126.02	150 mm dia	m		1947.000	0	0
126.03	200 mm dia	m		2504.800	0	0
126.04	250 mm dia	m		3129.200	0	0
126.05	300 mm dia	m		3707.000	0	0
126.06	350 mm dia	m		4440.200	0	0

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126.07	400 mm dia	m		5378.150	0	0
126.08	450 mm dia				0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal		7823.700	0	0
127.01	Up to 300 mm dia.	Quintal		8225.100	0	0
127.02	Over 300 mm dia.	Kg		147.000	0	0
128	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		147.000	0	0
Total:-					1650783	✓
Add 8% above on all items (excluding lump sump items)					132062	✓
G.Total:-					1782845	✓
Grand Total(A+B+C+D+E)					Rs 135.85 lacs	✓

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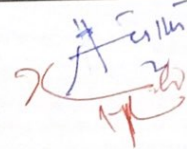
Head Draftsman


Terms Conditions:-

- The cost of work in no case exceed beyond Rs 135.85 lacs (Rupees one crore thirty five lacs and eighty five thousand) only
- Bid declaration security vide CDR No.3170569 Dated:-23.03.2022 for an amount of Rs 50,000/- are being retained as security deposit shall be released after submission of 3% performance security deposit
- Time of completion is essence of the contract.

The work shall have to be started by you at site immediately and ensure its successful completion within a period of 05 months from the date of issuance of allotment from this office strictly in accordance with the approved proposals falling
- which the work shall have to be got executed through any other means at your risk and cost, besides CDR deposited by you as security against this contract shall be forfeited. However date of start for laying and fitting of pipes will start within 07 days from the date of issuance of pipe material by the deptt.

An agreement shall have to be drawn up by you with the department within a period of 07 days from the date of issuance of allotment failure to execute such a formal deed shall not however prevent the contract from being enforced upon you.
- The allotted works shall be subject to check by the third party monitoring agency appointed by the department.
- Payment shall be released as per actual / measured work done not less than 20% of the allotted cost on a monthly basis
- Performance security equivalent to 3% of the value of the contract shall have to be deposited by you in shape of CDR/FDR/bank Guarantee within one week of issuance of allotment order and valid for a period of 3 months beyond the expiry of warranty period of the contract.
- The firm shall be bound for satisfactory performance of works for 18 months after the successful commissioning of the works . If during warranty period any malfunctioning / defects arise, you shall have to rectify same within a period of 10 days of receipt of intimation . In case of any failure on your part, the department may get the defects removed / repaired by any other means and cost thereof shall be recovered from you and shall be recommended for further punitive action as governed under the relevant clause of the contract including black listing.



Pre & post Geo-tagged photographic evidence be taken during the execution of the work and shall have to be produced at the time of submission of the bill.

The quantity allotted shall have to be executed on ground strictly as per the estimates that have been framed in the DPR for the item of " (cost includes,PST, clarifloculator, flush Mixer, filter house and wash water Disposable chamber

All other terms and conditions shall be applicable as laid down in standard bid document and PWD from No. 25/33.

Any rules / terms and conditions if not stipulated in the bidding documents , shall be strictly dealt in accordance with the relevant rules / guidelines stipulated in General Financial Rules (GFR-2017) and manual for procurement of works 2019 G.O.I.

Head Draftsman

Executive Engineer

(JSD) PHE Division Awantipora

Copy to the:-

- 1) Chief Engineer PHE Kashmir Jal Shakti Department, Kashmir Srinagar for information.
- 2) Superintending Engineer Hydraulic Circle Pulwama H.Q Shopian for information.
- 3) Assistant Executive Engineer Sub Division Tral for information necessary action. He will ensure the completion of work within the stipulated period strictly in accordance with approved proposals within allotted amount shall in no case exceed the allotted amount.
- 4) Assistant Accounts Officer PHE Division Awantipora for information
- 5) H/D Divisional Drawing Branch for information
- 6) Office File

Part E(Collection Sump of WSS Bonibagh Lelhar)

S.No.	Particulars of items	Units	Quantity	Allotted Rate in Rs. P	Amount	
					in figures	in words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm		11.360		0
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	100 sqm		577.550	0	0
3	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.				0	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0	0
3.2	Beyond 60 cm girth upto and including 120 cm girth.	each		1530.800	0	0
3.3	Beyond 120 cm girth upto and including 240 cm girth.	each		7090.800	0	0
3.4	Above 240 cm girth	each		14214.350	0	0
4	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	220.780	188.750	41672.225	Rupees FourtyOne Thousand Six Hundred SeventyTwo Paise TwentyThree Only
5	Extra for every additional lift of 1.5 m or part thereof in excavation/banking excavated or stacked material :All kinds of soil :				0	0
5.1	All kinds of soil :	Cum	176.630	81.650	14421.8395	Rupees Fourteen Thousand Four Hundred TwentyOne Paise EightyFour Only
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.				0	0
6.1	All kinds of soil :	Cum	220.780	539.350	119077.693	Rupees One Lakh Nineteen Thousand SeventySeven

Part E (Collection Sump of WSS Bonibagh Lelhar)

7	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:				0	
				436.000	0	0
7.1	1 meter from cutting edge	Cum		524.400	0	0
7.2	25 meter beyond 1 m from cutting edge	Cum		612.750	0	0
7.3	50 meter beyond 1 m from cutting edge	Cum				
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 excavated earth as directed, within a lead of 50 metres:					0
8.1	All kinds of soil :	Cum		252.050	0	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL ✓	200.000 ✓	155.550 ✓	31110.00 ✓	Rupees ThirtyOne Thousand One Hundred Ten
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).					
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0	0
11	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	79.480 ✓	198.700 ✓	15792.676 ✓	Rupees Fifteen Thousand Seven Hundred NinetyTwo Paise SixtyEight Only
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0	0
12	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum		272.450	0	0
13	Providing and laying hand packed stone soling 50 mm nominal size including filling, spreading, dressing, ramming, all leads lifts and all carriages complete.	Cum	16.150 ✓	1320.000 ✓	21318 ✓	Rupees TwentyOne Thousand Three Hundred Eighteen Only

Part E(Collection Sump of WSS Bonibagh Lelhar)

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	Cum		7700.000	0		
15	Supply and filling of filter media from approved source Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7968.000	0		0
16	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m in -All kinds of soil.	100 sqm		2193.900	0		0
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	0		0
18	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:				0		0
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010	0		0
18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0		0
18.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	14.250	4861.840	69281.22		Rupees SixtyNine Thousand Two Hundred EightyOne Paise TwentyTwo Only
19	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				0		0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.760	0		0
20	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.				0		0
20.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	0.610	9408.140	5738.9654		Thousand Seven Hundred ThirtyEight Paise NinetySeven Only
21	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:				0		0
21.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	16.930	9849.350	166749.4955		Rupees One Lakh SixtySix Thousand Seven Hundred FourtyNine Paise Fifty Only
22	Providing and laying upto floor v level reinforced cement concrete in kerbs, steps and the like including curing but excluding the cost of centering, shuttering, finishing and reinforcement with:				0		0

Part E (Collection Sump of WSS Bonibagh Lehar)

				9036.390	0	0
22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	0
23	Reinforced cement concrete work in arches, arch ribs, domes, vaults shells, folded plate and roofs having slope more than 15° upto floor five level including curing but excluding the cost of centering, shuttering finishing and reinforcement with:			10404.520	0	0
23.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	0
24	Reinforced cement concrete work in chimneys, shafts upto floor five level including curing complete but excluding the cost of centering, shuttering, finishing and reinforcement with:			9600.640	0	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum			0	0
25	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.					0
25.1	All works upto plinth level	Cum	25.470	7911.260	201499.7922	Rupees Two Lakh One Thousand Four Hundred NinetyNine Paise SeventyNine Only
25.2	All works above plinth level upto floor V level	Cum	17.330	9302.980	161220.6434	Rupees One Lakh SixtyOne Thousand Two Hundred Twenty Paise SixtyFour Only
26	Extra for providing richer mixes at all floor levels. Note: Excess/ less cement over the specified cement content used is payable/ recoverable separately. 5.35.1 Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	Cum	43.410	111.870	4856.2767	Rupees Four Thousand Eight Hundred FiftySix Paise TwentyEight Only
27	Extra for R.C.C./B.M.C./R.M.C. work above floor V level for each four floors or part thereof.	Cum		309.050	0	0
28	Add or deduct for using more or less cement in the items of design mix over and above the specified cement content therein.	Quintal		1074.370	0	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.980	262.300	3929.254	Rupees Three Thousand Nine Hundred TwentyNine Paise TwentyFive Only

29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	14.980	573.850	8596.273	Rupees Eight Thousand Five Hundred NinetySix Paise TwentySeven Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	63.590	635.600	40417.804	Rupees Fourty Thousand Four Hundred Seventeen Paise Eighty Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	56.270	502.850	28295.3695	Rupees TwentyEight Thousand Two Hundred NinetyFive Paise ThirtySeven Only
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm	5.400	680.150	3672.81	Rupees Three Thousand Six Hundred SeventyTwo Paise EightyOne Only
29.06	Stairs (excluding landings) except spiral staircases.	sqm		807.500	0	0
29.07	Spiral staircases (including landings)	sqm		619.800	0	0
29.08	Arches, domes, vaults upto 6 m span	sqm		2086.800	0	0
29.09	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0	0
29.1	Chimney and shafts	sqm		573.850	0	0
29.11	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm		0.200	0	0
	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.980	52.460	785.8508	Rupees Seven Hundred EightyFive Paise EightyFive Only
	walls	sqm	173.330	114.770	19893.0841	Rupees Nineteen Thousand Eight Hundred NinetyThree Paise Eight Only
	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	56.270	100.570	5659.0739	Rupees Five Thousand Six Hundred FiftyNine Paise Seven Only
29.12	Edges of slabs and breaks in floors and walls	RM	29.520	242.300	7152.696	Rupees Seven Thousand One Hundred FiftyTwo Paise Seventy Only
29.13	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).				0	0
29.14	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm		267.600	0	0
30	Providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (1 kg of water proofing material in 50 kg of cement)	kgs	347.300	57.900	20108.67	Rupees Twenty Thousand One Hundred Eight Paise SixtySeven Only

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31	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				0	
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	5978.090	87.180	521169.8862	Rupees Five Lakh TwentyOne Thousand One Hundred SixtyNine Paise EightyNine Only
31.2	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				0	0
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180	0	0
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :				0	0
32.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum		7476.380	0	0
32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum		7111.310	0	0
33	Extra for brick work with common burnt clay bricks/cement concrete bricks in superstructure above plinth level upto floor five level	Cum		1522.200	0	0
34	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).				0	0
34.1	First class kail wood	Cum		106894.150	0	0
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200	0	0
36	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				0	0
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100	0	0
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0	0
37	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.				0	0
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.050	0	0
38	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.				0	0
38.1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0	0

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39	Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. chequered plate wherever required, all complete.				0		0
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0		0
	Gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	150.000	146.630	21994.5	Rupees TwentyOne Thousand Nine Hundred NinetyFour Paise Fifty Only	0
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.				0		0
40.1	M.S. tube	Kg		172.900	0		0
40.2	E.R.W. tubes	Kg		166.050	0		0
40.3	G.I. pipes	Kg		174.250	0		0
41	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg		91.030	0		0
42	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.				0		0
42.1	Riveted and bolted	Kg		105.770	0		0
42.2	Welded	Kg		102.140	0		0
43	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				0		0
43.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0		0
43.2	Providing and fixing ball bearing for rolling shutters.	each		483.100	0		0
44	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.				0		0
44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0		0
44.2	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0		0
45	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				0		0

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45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660	0	0
46	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:				0	0
46.1	Makrana White Second quality (16mm)	sqm		6175.390	0	0
46.2	Extra for pre finished nosing to treads of steps of marble stone	sqm		579.310	0	0
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130	0	0
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0	0
47.1	1 : 3 (1 cement : 3 fine sand)	sqm	277.360	343.750	95342.5	Rupees NinetyFive Thousand Three Hundred FourtyTwo Paise Fifty Only
47.2	1 : 4 (1 cement : 4 fine sand)	sqm				
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		325.450	0	0
49	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 15mm Cement plaster on the rough side of single or half brick wall of mix:				0	0
49.1	1 : 4 (1 cement : 4 fine sand)	sqm		300.450	0	0
49.2	1 : 6 (1 cement : 6 fine sand)	sqm		278.600	0	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	0	0
51	Finishing walls with water proofing cement paint of required shade on New work (two or more coats applied @ 3.84 kg/10sqm)	sqm		91.800	0	0
52	Applying priming coat:				0	0
52.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm		59.500	0	0
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	0	0
52.3	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel galvanized iron/steel works	sqm		52.750	0	0
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900	0	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0	0
53.1	Two or more coats on new work	sqm		121.950	0	0
53.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm		179.800	0	0
54	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	0
54.1	On steel work	sqm		188.800	0	0
54.2	On concrete work	sqm		183.430	0	0

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55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade	sqm		115.450	0	0
56	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	sqm		149.050	0	0
57	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				0	0
57.1	125 mm	each		66.350	0	0
57.2	100 mm	each		52.300	0	0
58	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 :				0	0
58.1	150x10 mm	each		80.350	0	0
58.2	100x10 mm	each		57.350	0	0
59	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.				0	0
59.1	0.50 mm thick with zinc coating not less than 275 gram/m2	sqm		830.250	0	0
60	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				0	0
60.1	0.80 mm thick with zinc coating not less than 275 gram/m2	m		762.450	0	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m2	m		691.350	0	0
60.3	0.50 mm thick with zinc coating not less than 275 gram/m2	m		626.700	0	0
61	Providing and fixing plained eaves boarding. 2nd class kail wood				0	0
61.1	250x32 mm (nominal size)	m		693.900	0	0
61.2	300x40 mm (nominal size)	m		998.850	0	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0	0
63.1	250x32 mm (nominal size)	m		693.900	0	0
63.2	300x40 mm (nominal size)	m		998.850	0	0
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000	0	0


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65	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.				0		0
				129.500	0		0
65.1	1 mm thick	sqm		172.400	0		0
65.2	2 mm thick	sqm			0		0
66	Providing and fixing G.I. pipes (B medium) complete with G.I. fittings excluding trenching and refilling etc. (external work)						0
				163.550	0		0
66.01	15 mm dia. nominal bore	m		204.450	0		0
66.02	20 mm dia. nominal bore	m		298.150	0		0
66.03	25 mm dia. nominal bore	m		360.900	0		0
66.04	32 mm dia. nominal bore	m		418.800	0		0
66.05	40 mm dia. nominal bore	m		559.350	0		0
66.06	50 mm dia. nominal bore	m		711.700	0		0
66.07	65 mm dia. nominal bore	m		840.000	0		0
66.08	80 mm dia. nominal bore	m		1234.950	0		0
66.09	100 mm dia. nominal bore	m		2167.650	0		0
66.1	150 mm dia. nominal bore	m			0		0
67	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.						0
				10815.000	0		0
67.1	80 mm dia. Class 1	Each		13164.000	0		0
67.2	100 mm dia. Class 1	Each		15961.000	0		0
67.3	125 mm dia. Class 1	Each		20243.000	0		0
67.4	150 mm dia. Class 1	Each		31698.000	0		0
67.5	200 mm dia. Class 1	Each		50356.000	0		0
67.6	250 mm dia. Class 1	Each		62066.000	0		0
67.7	300 mm dia. Class 1	Each		147031.000	0		0
67.8	350 mm dia. Class 1	Each			0		0
69	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)						0
69.1	Up to 300 mm dia.	Quintal		7823.700	0		0
69.2	Over 300 mm dia.	Quintal		8225.100	0		0
70	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.						0
					0		0
70.1	80 mm dia. pipe	Joint		1100.000	0		0
70.2	100 mm dia. pipe	Joint		1520.000	0		0
70.3	125 mm dia. pipe	Joint		1855.000	0		0
70.4	150 mm dia. pipe	Joint		2150.000	0		0
70.5	200 mm dia. pipe	Joint		3480.000	0		0
70.6	250 mm dia. pipe	Joint		5030.000	0		0
70.7	300 mm dia. pipe	Joint		7710.000	0		0
							0
70.8	350 mm dia. Pipe	Joint		9635.000	0		0

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71	Providing and Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				0	0
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	0	0
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge. The product performance shall carry guarantee for 10 years against any leakage	m		547.600	0	0
73	Providing & fixing of 0.63mm thick PGI sheets at construction joints including all leads and lifts complete job as directed by Engineer-in-charge	sqm		800.000	0	0
73.01	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.)				0	0
73.02	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		459.310	0	0
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0	0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		504.130	0	0
73.05	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.)				0	0
73.06	Anodized aluminum (Anodized transparent or dyed to required shade according to IS:1868, minimum anodic coating of grade AC 15)	Kg		552.640	0	0

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65 Providing and applying white cement based putty of specified thickness, of approved brand and

				588.890	0	0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0	0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350	0	0
74	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 engineering charge. (Cost of aluminum snap beading shall be paid in basic item.)				0	0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		1072.170	0	0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1395.960	0	0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1807.140	0	0
75	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				0	0
75.1	50 mm dia	m		530.000	0	0
75.2	62.5 mm dia	m		1110.000	0	0
75.3	75 mm dia	m		1420.000	0	0
75.4	100 mm dia	m		1990.000	0	0
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:				0	0
76.1	3 km	Cum		172.590	0	0
76.2	4 km	Cum		189.750	0	0
76.3	5 Km	Cum	52.325	206.280	10793.601	Rupees Ten Thousand Seven Hundred NinetyThree Paise Sixty Only
76.4	Beyond 5 km upto 10 km per km	Cum		14.920	0	0
76.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
76.6	Beyond 20 km per additional km	Cum		9.940	0	0
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :				0	0
77.1	3 km	Cum		172.590	0	0
77.2	4 km	Cum		189.750	0	0
77.3	5 km	Cum	1.425	206.280	293.949	Rupees Two Hundred NinetyThree Paise NinetyFive Only
77.4	Beyond 5 km upto 10 km per km	Cum	1.425	74.600	106.305	Rupees One Hundred Six Paise ThirtyOne Only
77.5	Beyond 10 km upto 20 km per km	Cum		12.140	0	0
77.6	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :				0	0

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78.1	3 km	Cum		187.600	0	0
78.2	4 km	Cum		206.250	0	0
78.3	5 Km	Cum	12.825	224.200	2875.365	Rupees Two Thousand Eight Hundred SeventyFive Paise ThirtySeven Only
78.4	Beyond 5 km upto 10 km per km	Cum	12.825	81.100	1040.1075	Rupees One Thousand Forty Paise Eleven Only
78.5	Beyond 10 km upto 20 km per km	Cum		13.200	0	0
78.6	Beyond 20 km per additional km	Cum		10.760	0	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling					0
79.1	3 km	Cum		203.060	0	0
79.2	4 km	Cum		223.240	0	0
79.3	5 Km	Cum		242.670	0	0
79.4	Beyond 5 km upto 10 km per km	Cum		17.550	0	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0	0
79.6	Beyond 20 km per additional km	Cum		11.700	0	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:					0
80.1	3 km	Tonne		153.420	0	0
80.2	4 km	Tonne		168.670	0	0
80.3	5 Km	Tonne	5.670	183.360	1039.6512	Rupees One Thousand ThirtyNine Paise SixtyFive Only
80.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
80.6	Beyond 20 km per additional km	Tonne		8.830	0	0
81	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:					0
81.1	3 km	Cum		215.740	0	0
81.2	4 km	Cum		237.190	0	0
81.3	5 Km	Cum		257.840	0	0
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0	0
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0	0
81.6	Beyond 20 km per additional km	Cum		12.420	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:					0
82.1	3 km	Tonne		153.420	0	0
82.2	4 km	Tonne		168.670	0	0
82.3	5 Km	Tonne	26.600	183.360	4877.376	Rupees Four Thousand Eight Hundred SeventySeven Paise ThirtyEight Only
82.4	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
82.6	Beyond 20 km per additional km	Tonne		8.830	0	0

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65 Providing and applying white cement based putty of specified thickness, of approved brand and

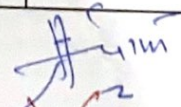
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				0	0
				460.253	0	0
83.1	3 km	per 1000		506.012	0	0
83.2	4 km	per 1000		550.057	0	0
83.3	5 Km	per 1000		39.779	0	0
83.4	Beyond 5 km upto 10 km per km	per 1000		32.384	0	0
83.5	Beyond 10 km upto 20 km per km	per 1000		26.508	0	0
83.6	Beyond 20 km per additional km	per 1000			0	0
84	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0	0
84.1	3 km	Cum		197.248	0	0
84.2	4 km	Cum		216.856	0	0
84.3	5 Km	Cum		235.739	0	0
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0	0
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0	0
84.6	Beyond 20 km per additional km	Cum		11.362	0	0
85	Carriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0	0
85.1	Ist 50m	Cum		209.900	0	0
85.2	Beyond Ist 50m	Cum		45.700	0	0
86	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0	0
86.1	Ist 50m	Cum		209.900	0	0
86.2	Beyond Ist 50m	Cum		45.700	0	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0	0
87.1	Ist 50m	Cum		226.920	0	0
87.2	Beyond Ist 50m	Cum		49.400	0	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0	0
88.1	Ist 50m	Cum		246.940	0	0
88.2	Beyond Ist 50m	Cum		53.760	0	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	0
89.1	Ist 50m	Tonne		261.100	0	0
89.2	Beyond Ist 50m	Tonne		38.320	0	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	0
90.1	Ist 50m	Cum		209.900	0	0
90.2	Beyond Ist 50m	Cum		45.700	0	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	0
91.1	Ist 50m	Tonne		121.570	0	0
91.2	Beyond Ist 50m	Tonne		17.840	0	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	0
92.1	Ist 50m	per 1000		391.817	0	0
92.2	Beyond Ist 50m	per 1000		85.307	0	0

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93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0	0
93.1	Ist 50m	Cum		167.854	0	0
93.2	Beyond Ist 50m	Cum		24.633	0	0
94	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.	m		103.500	0	0
95	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		824.550	0	0
96	Providing and carrying out wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2-way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. (excl cost of conduit)	Point		1215.550	0	0
97	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		1300.000	0	0
97.1	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)				0	0
97.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.050	0	0
97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		230.000	0	0
98	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.		569.250	0	0
99	Supply and fixing of two module stepped type Electronic Fan regulator on the existing modular plate switch box including connections but excl cost modular plate etc. as required.	No.		393.300	0	0
100	Supplying and fixing single pole 5 A to 32 A rating, 240V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the MCB DB complete with connections, testing and commissioning etc. as required.	No.		228.850	0	0

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101	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.		442.750	0	0
102	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	No.		74.750	0	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.		600.000	0	0
104	Supply of 1200 mm sweep Ceiling Fans complete in all respects. Confirming to relevant Indian Standards	No.		2125.000	0	0
105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete. Confirming to relevant Indian Standards	No.		1550.000	0	0
106	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.		193.200	0	0
107	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	No.		196.650	0	0
108	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	No.		417.450	0	0
109	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.		2360.950	0	0
110	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.		1500.000	0	0
111	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		325.000	0	0
112	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.				0	0
112.1	10 KVA	Job		27000.000	0	0
112.2	20 KVA	Job		37000.000	0	0
112.3	25 KVA	Job		42000.000	0	0
112.4	30 KVA	Job		47000.000	0	0
112.5	40 KVA	Job		57000.000	0	0
112.6	50 KVA	Job		67000.000	0	0


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113	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		4250.000	0	0
114	Providing and fitting of:				0	0
	200 Amp. 4 pole Change over of reputed make	No		11200.000	0	0
114.02	100 Amp 4 pole change over of reputed make.	No		7598.000	0	0
114.03	64 Amp. 4 pole Change over of reputed make	No		5000.000	0	0
114.04	32 Amp. 4 pole Change over of reputed make	No		2500.000	0	0
114.05	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114.06	100 Amp-Copper bus bar	No		4550.000	0	0
		No		3750.000	0	0
114.07	64 Amp-Copper bus bar	No		2850.000		
114.08	32 Amp-Copper bus bar	No		3300.000	0	0
114.09	100 Amp MCCB	No		2700.000	0	0
114.1	63 Amp MCCB	No		2100.000	0	0
114.11	40 Amp MCCB	No		1250.000	0	0
114.12	16 Amp MCCB	No		630.000	0	0
114.13	6 Amp MCCB	No		445.000	0	0
114.14	3-phase indicator points	No		1190.000	0	0
114.15	3-phase voltmeter and Amperemeters				0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.				0	0
116	Mechanical Items:Providing & fixing of PVC under drainage laterals with specifications conforming to IS-4985 & IS-15801, 8mm thick fabricated out of approved make with nominal dia of 9mm perforations as per design of bed provided at 60 degrees along with PVC Tees and end caps grouted in concrete, the pressure rating of 10kg/sq cm	m		530.000	0	0
116.1	50 mm dia	m		1110.000	0	0
116.2	62.5 mm dia	m		1420.000	0	0
116.3	75 mm dia	m		1990.000	0	0
116.4	100 mm dia				0	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0	0
118	Mixing device with reduction gear system				0	0
118.1	3-phase Electrically driven motor:	No		2800.000	0	0
118.2	0.5 HP	No		3400.000	0	0
118.3	0.75 HP	No		4800.000	0	0
118.4	1.0 HP	Set		4548.000	0	0
118.5	Foundation \ Base plate	No		1680.000	0	0
118.6	Starter along with necessary wiring upto motor				0	0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-	Set		2500.000	0	0
119.01	Mixing device with reduction gear system.				0	0
119.02	3-phase electrically driven motors:	No		2800.000	0	0
119.03	0.5 HP	No		3400.000	0	0
119.04	0.75 HP	No		4800.000	0	0
119.05	1.0 HP	Set		4548.000	0	0
119.06	Foundation / Base plate	No		1680.000	0	0
119.07	Starter along with necessary wiring upto motor	Lot		530.000	0	0

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				1350.000	0	0
119.08	P.V.C outlet, overflow system with fittings upto point of application	Lot		530.000	0	0
119.09	150mm dia drain out let	Lot		1500.000	0	0
119.1	50 mm dia Service water piping.	Set		10000.000	0	0
119.11	Constant dosing unit with time device	Set			0	0
119.12	Manually operated hoist			2500.000	0	0
120	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-	Set			0	0
120.01	Mixing device with reduction gear system.			2800.000	0	0
120.02	3-phase electrically driven motors:	No		3400.000	0	0
120.03	0.5 HP	No		4800.000	0	0
120.04	0.75 HP	No		4548.000	0	0
120.05	1.0 HP	Set		530.000	0	0
120.06	Foundation / Base plate.	Lot		1680.000	0	0
120.07	P.V.C outlet, overflow system with fittings upto point of application.	No		1350.000	0	0
120.08	Starter along with necessary wiring upto motor	Lot		530.000	0	0
120.09	150 mm dia Drain out let	Lot		1500.000	0	0
120.1	50mm dia service water piping	Set			0	0
120.11	Constant dosing unit with time device.				0	0
121	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		14058.000	0	0
121.1	80 mm dia.	Each		17210.000	0	0
121.2	100 mm dia.	Each		21000.000	0	0
121.3	125 mm dia.	Each		26720.000	0	0
121.4	150 mm dia.	Each		42300.000	0	0
121.5	200 mm dia.	Each		66440.000	0	0
121.6	250 mm dia.	Each		83100.000	0	0
121.7	300 mm dia.	Each		181060.000	0	0
121.8	350 mm dia.				0	0
121.9	Air Scouring Arrangements				0	0
122	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		67500.000	0	0
122.1	2.10 KLPM Air blower with 2.0 HP Motor.	No		87500.000	0	0
122.2	4.2 KLPM Air blower with 5.0 HP Motor.	No		125000.000	0	0
122.3	8.2 KLPM Air blower with 7.5 HP Motor.	No		153400.000	0	0
122.4	10.6 KLPM Air blower with 10.0 HP Motor.	No		163400.000	0	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No		175400.000	0	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.				0	0

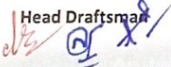
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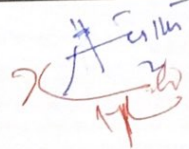
123	Up Wash Arrangements				0	0
124	Supply installation and successful testing and commissioning of mono block pumping unit standard make ISI mark coupled with 2 phase induction motor with appropriate pumping capacity so as to fill the tank within the max. of 2 hours with nominal dynamic head of 25m along with all accessories like foot valves, non-return valves, foundation block, base plate, suction pipe, suitable rising main with nominal dia 50mm (class-B) with heavy duty valves and other accessories required for the job.	Set		20268.000	0	0
124.1	Pumping unit with 5.0 HP Motor.	Set		29115.000	0	0
124.2	Pumping unit with 7.5 HP Motor.	Set		46486.000	0	0
124.3	Pumping unit with 12.5 HP Motor.	Set		49866.000	0	0
124.4	Pumping unit with 15.0 HP Motor.				0	0
125	P/F testing and commissioning of MS Rotating Desludging Bridge comprising of following items:				0	0
125.01	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	Kg		105.770	0	0
125.02	Riveted and bolted	Kg		102.140	0	0
125.03	Welded				0	0
125.04	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		188.800	0	0
125.05	On steel work	sqm		183.430	0	0
125.06	On concrete work	Set		4800.000	0	0
125.07	Central axle turn table with double bearing and guide for incoming cable.				0	0
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).	Set		19120.000	0	0
125.09	Pumping unit with 2.0 HP Motor.	Set		24268.000	0	0
125.1	Pumping unit with 5.0 HP Motor.	Set		33115.000	0	0
125.11	Pumping unit with 7.5 HP Motor.	No		1680.000	0	0
125.12	Starter along with necessary wiring upto motor				0	0
125.13	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	No		5300.000	0	0
125.14	0.5 HP	No		5900.000	0	0
125.15	0.75 HP	No		7300.000	0	0
125.16	1.0 HP	Set		6500.000	0	0
125.17	Incoming cable, telescopic electric pole with rotary current collector				0	0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328	m		1108.150	0	0
126.01	100 mm dia	m		1581.250	0	0
126.02	150 mm dia	m		1947.000	0	0
126.03	200 mm dia	m		2504.800	0	0
126.04	250 mm dia	m		3129.200	0	0
126.05	300 mm dia	m		3707.000	0	0
126.06	350 mm dia	m		4440.200	0	0

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126.07	400 mm dia	m		5378.150	0	0
126.08	450 mm dia				0	0
127	Providing and laying D.I. standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS : 9523 (as per site requirement)	Quintal		7823.700	0	0
127.01	Up to 300 mm dia.	Quintal		8225.100	0	0
127.02	Over 300 mm dia.	Kg		147.000	0	0
128	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		147.000	0	0
Total:-					1650783	✓
Add 8% above on all items (excluding lump sump items)					132062	✓
G.Total:-					1782845	✓
Grand Total(A+B+C+D+E)					Rs 135.85 lacs	✓

R Rates & quantity checked by

Head Draftsman




Terms Conditions:-

- The cost of work in no case exceed beyond Rs 135.85 lacs (Rupees one crore thirty five lacs and eighty five thousand) only
- Bid declaration security vide CDR No.3170569 Dated:-23.03.2022 for an amount of Rs 50,000/- are being retained as security deposit shall be released after submission of 3% performance security deposit
- Time of completion is essence of the contract.

The work shall have to be started by you at site immediately and ensure its successful completion within a period of 05 months from the date of issuance of allotment from this office strictly in accordance with the approved proposals falling
- which the work shall have to be got executed through any other means at your risk and cost, besides CDR deposited by you as security against this contract shall be forfeited. However date of start for laying and fitting of pipes will start within 07 days from the date of issuance of pipe material by the deptt.

An agreement shall have to be drawn up by you with the department within a period of 07 days from the date of issuance of allotment failure to execute such a formal deed shall not however prevent the contract from being enforced upon you.
- The allotted works shall be subject to check by the third party monitoring agency appointed by the department.
- Payment shall be released as per actual / measured work done not less than 20% of the allotted cost on a monthly basis
- Performance security equivalent to 3% of the value of the contract shall have to be deposited by you in shape of CDR/FDR/bank Guarantee within one week of issuance of allotment order and valid for a period of 3 months beyond the expiry of warranty period of the contract.
- The firm shall be bound for satisfactory performance of works for 18 months after the successful commissioning of the works . If during warranty period any malfunctioning / defects arise, you shall have to rectify same within a period of 10 days of receipt of intimation . In case of any failure on your part, the department may get the defects removed / repaired by any other means and cost thereof shall be recovered from you and shall be recommended for further punitive action as governed under the relevant clause of the contract including black listing.

Pre & post Geo-tagged photographic evidence be taken during the execution of the work and shall have to be produced at the time of submission of the bill.

The quantity allotted shall have to be executed on ground strictly as per the estimates that have been framed in the DPR for the item of " (cost includes,PST, clarifloculator, flush Mixer, filter house and wash water Disposable chamber

All other terms and conditions shall be applicable as laid down in standard bid document and PWD from No. 25/33.

Any rules / terms and conditions if not stipulated in the bidding documents , shall be strictly dealt in accordance with the relevant rules / guidelines stipulated in General Financial Rules (GFR-2017) and manual for procurement of works 2019 G.O.I.

Head Draftsman

Executive Engineer

(JSD) PHE Division Awantipora

Copy to the:-

- 1) Chief Engineer PHE Kashmir Jal Shakti Department, Kashmir Srinagar for information.
- 2) Superintending Engineer Hydraulic Circle Pulwama H.Q Shopian for information.
- 3) Assistant Executive Engineer Sub Division Tral for information necessary action. He will ensure the completion of work within the stipulated period strictly in accordance with approved proposals within allotted amount shall in no case exceed the allotted amount.
- 4) Assistant Accounts Officer PHE Division Awantipora for information
- 5) H/D Divisional Drawing Branch for information
- 6) Office File