

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

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No PHE/AWP/ 6079-6003  
Dated: 31-12-2022

M/S Tariq Ahmad Shah  
S/O: Gh Mohmad Shah  
R/O: Noorpora  
Reg. No. : 741/AA/Civil/Sanitary/CE/KCC/PDC-2007-08  
GST No. 01BWHPS8737C1Z1  
PAN No.: BWHPS8737C

**Subject:- Allotment for construction / successful testing and commissioning of 0.10 MGD RSFP at ( cost includes, clarifloculator, flush Mixer, filter house and wash water Disposable chamber WSS Tral Via Monghama**

- Reference:-
- 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
  - UT level committee meeting held on 01.6.2022 under the chairmanship of Development Commissioner Works PW (R&B)
  - Minutes of meeting DJJM Pulwama held on 14.6.2022
  - Accord of Administrative Approval No. SE/Hyd/Spn/DB/24 of 2021-22 dated:- 15.6.2022
  - Tech. Sanction No. CE/PHE/DB/622 of 09/2022 dated:- 15.09.2022
  - Superintending Engineer HydL Circle Pulwama H.Q Shopian's letter No. SE/Hyd/Spn/DB/5719-20 dated:- 6.12.2022
  - 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)

**Advertised Cost:- Rs 68.83 lacs**

**Alloted Cost(A+B+C+D) :- Rs 88.513 lacs**  
( Rupees eighty eight lacs fifty one thousand & three hundred ) only

## Part A(Rapid sand Filtration Plant) Tral Via Monghama

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 Fifty Two Only
2	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm/100	0.000	577.550	0.000	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.				0.000	0
3.1	Beyond 30 cm girth upto and including 60 cm girth.	each		344.800	0.000	0

*P/C Received & Rates accepted.*

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Part A(Rapid sand Filtration Plant) Tral Via Monghama

3.2	Beyond 60 cm girth upto and including 120 cm girth	each		1530.800	0.000	0
3.3	Beyond 120 cm girth upto and including 240 cm girth	each		7090.800	0.000	0
3.4	Above 240 cm girth	each		14214.350	0.000	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	59.230	188.750	11179.663	Rupees Eleven Thousand One Hundred SeventyNine Paise SixtySix 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	0
5.1	All kinds of soil :	Cum		81.650	0.000	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.				0.000	0
6.1	All kinds of soil :	Cum	59.230	539.350	31945.701	Rupees ThirtyOne Thousand Nine Hundred FortyFive Paise Seventy 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	0
7.1	1 meter from cutting edge	Cum		436.000	0.000	0
7.2	25 meter beyond 1 m from cutting edge	Cum		524.400	0.000	0
7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	0.000	0

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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:				0.000	0
8.1	All kinds of soil :	Cum		252.050	0.000	0
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	l KL		155.550	0.000	0
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	0
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	0.000	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		198.700	0.000	0
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-In-charge.	Cum		59.950	0.000	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	0.000	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	54.530	1320.000	71979.600	Rupees SeventyOne Thousand Nine Hundred SeventyNine 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 SixtyNine 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 ThirtyNine Thousand Four Hundred FortyOne Paise Sixty Only
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	0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

17	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 Seventy Two Paise Forty Three Only
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:				0.000	0
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum	6.160	6434.010	39633.502	Rupees Thirty Nine Thousand Six Hundred Thirty Three Paise Fifty Only
18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum	13.430	5399.020	72508.839	Rupees Seventy Two Thousand Five Hundred Eight Paise Eighty Four Only
18.3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	6.000	4861.840	29171.040	Rupees Twenty Nine Thousand One Hundred Seventy One Paise Four 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				0.000	0
19.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		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 Ninety Eight Thousand Two Hundred Twenty Paise Ninety Eight 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	24.760	9849.350	243869.906	Rupees Two Lakh Forty Three Thousand Eight Hundred Sixty Nine Paise Ninety One 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

**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

22.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		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		10404.520	0.000	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:				0.000	0
24.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9600.640	0.000	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.				0.000	0
25.1	All works upto plinth level	Cum	16.590	7911.260	131247.803	Rupees One Lakh ThirtyOne Thousand Two Hundred FourtySeven Paise Eighty 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		309.050	0.000	0

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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	25.577	1074.370	27479.161	Rupees Twenty Seven Thousand Four Hundred Seventy Eight Paise Sixteen 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	12.530	262.300	3286.819	Rupees Three Thousand Two Hundred Eighty Six Paise Sixty Two Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	227.780	573.850	130711.551	Rupees One Lakh Thirty Thousand Seven Hundred Eleven Paise Fifty Five Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	97.870	635.600	62206.172	Rupees Sixty Two 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 Fifty Eight Thousand Four Hundred Forty One Paise Twenty Three Only
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm	119.280	680.150	81128.292	Rupees Eighty One Thousand One Hundred Twenty Eight Paise Twenty Nine Only
29.06	Stairs (excluding landings) except spiral staircases.	sqm	23.700	807.500	19137.750	Rupees Nineteen Thousand One Hundred Thirty Seven Paise Seventy Five Only
29.07	Spiral staircases (including landings)	sqm		619.800	0.000	0
29.08	Arches, domes, vaults upto 6 m span	sqm		2086.800	0.000	0
29.09	Extra for arches, domes, vaults exceeding 6 m span	sqm		1008.450	0.000	0
29.1	Chimney and shafts	sqm		573.850	0.000	0
29.11	Extra for shuttering in circular work (20% of respective centering and Shuttering items)	sqm		0.200	0.000	0
29.12	Edges of slabs and breaks in floors and walls	RM	101.620	242.300	24622.526	Rupees Twenty Four Thousand Six Hundred Twenty Two Paise Fifty Three Only

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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).				0.000	0
29.14	Suspended floors, roofs, landings, beams and balconies (plan area to be measured)	sqm		267.600	0.000	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	176.400	57.900	10213.560	Rupees Ten Thousand Two Hundred Thirteen Paise FiftySix 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 <del>complete upto plinth level</del>				0.000	0
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	8021.070	87.180	699276.883	Rupees Six Lakh NinetyNine Thousand Two Hundred SeventySix Paise EightyEight 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 <del>complete above plinth level</del>				0.000	0
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		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		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 <del>shall be paid for separately</del> ).				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		1931.200	0.000	0

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Part A(Rapid sand Filtration Plant) Tral Via Monghama

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	0
36.1	First class kail wood (30 mm thick shutter)	Sqm	33.920	2784.100	94436.672	Rupees NinetyFour Thousand Four Hundred ThirtySix Paise SixtySeven Only
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750	0.000	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.				0.000	0
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000	0.000	0
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050	0.000	0
37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		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		4352.950	0.000	0
38.2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		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	450.000	114.680	51606.000	Rupees FiftyOne Thousand Six Hundred Six Only
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg		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	21.600	172.900	3734.640	Rupees Three Thousand Seven Hundred ThirtyFour Paise SixtyFour Only

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

40.2	E.R.W. tubes	Kg		166.050	0.000	0
40.3	G.I. pipes	Kg		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		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		105.770	0.000	0
42.2	Welded	Kg	5162.510	102.140	527298.771	Rupees Five Lakh Twenty Seven Thousand Two Hundred Ninety Eight Paise Seventy Seven Only
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				0.000	0
43.1	80x1.25 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 Thirty Two Only
43.2	Providing and fixing ball bearing for rolling shutters.	each	2.000	483.100	966.200	Rupees Nine Hundred Sixty Six Paise Twenty Only
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.				0.000	0
44.1	40mm thick with 20 mm nominal size stone aggregate.	sqm		461.850	0.000	0
44.2	50 mm thick with 20mm nominal size stone aggregate.	sqm		505.000	0.000	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				0.000	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 Thirty Four Thousand Four Hundred Seven Paise Fourty Seven Only

**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

					0.000	
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
46.1	Makrana White Second quality (16mm)	sqm	78.480	6175.390	484644.607	Rupees Four Lak Eighty Four Thousand Six Hundred Fourty Four Paise Sixty One 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 Ninety Six Paise Fifty Five Only
46.3	Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 meter.	sqm		674.130	0.000	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 Fourty Eight Paise Thirteen Only
47.2	1 : 4 ( 1 cement : 4 fine sand)	sqm		325.450	0.000	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		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
49.1	1 : 4 ( 1 cement : 4 fine sand)	sqm		300.450	0.000	0
49.2	1 : 6 ( 1 cement : 6 fine sand)	sqm		278.600	0.000	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		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 Twenty Four Paise Sixty One 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 Only
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		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		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		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 Sixty Three Only

**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

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 FortySix Paise Ninety Three 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		188.800	0.000	0
54.2	On concrete work	sqm		183.430	0.000	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	0.000	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	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		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		80.350	0.000	0
58.2	100x10 mm	each	35.000	57.350	2007.250	Rupees Two Thousand Seven Paise TwentyFive Only
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
59.1	0.50 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	sqm	135.320	830.250	112349.430	Rupees One Lakh Twelve Thousand Three Hundred FortyNine Paise FortyThree Only

Part A(Rapid sand Filtration Plant) Tral Via Monghama

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/m <sup>2</sup>	m		762.450	0.000	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m	70.000	691.350	48394.500	Rupees FortyEight Thousand Three Hundred NinetyFour Paise Fifty Only
60.3	0.50 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m		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		693.900	0.000	0
61.2	300x40 mm (nominal size)	m		998.850	0.000	0
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m	30.000	600.000	18000.000	Rupees Eighteen Thousand Only
63	Providing and fixing plained eaves boarding. (II Class kail Wood)				0.000	0
63.1	250x32 mm (nominal size )	m		693.900	0.000	0
63.2	300x40 mm (nominal size)	m		998.850	0.000	0
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		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		129.500	0.000	0
65.2	2 mm thick	sqm		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		163.550	0.000	0
66.02	20 mm dia. nominal bore	m		204.450	0.000	0
66.03	25 mm dia. nominal bore	m		298.150	0.000	0
66.04	32 mm dia. nominal bore	m		360.900	0.000	0
66.05	40 mm dia. nominal bore	m		418.800	0.000	0
66.06	50 mm dia. nominal bore	m		559.350	0.000	0
66.07	65 mm dia. nominal bore	m		711.700	0.000	0
66.08	80 mm dia. nominal bore	m		840.000	0.000	0
66.09	100 mm dia. nominal bore	m		1234.950	0.000	0
66.1	150 mm dia. nominal bore	m	200.000	2167.650	433530.000	Rupees Four Lakh ThirtyThree Thousand Five Hundred Thirty

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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		10815.000	0.000	0
67.2	100 mm dia. Class 1	Each		13164.000	0.000	0
67.3	125 mm dia. Class 1	Each		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		31698.000	0.000	0
67.6	250 mm dia. Class 1	Each		50356.000	0.000	0
67.7	300 mm dia. Class 1	Each		62066.000	0.000	0
67.8	350 mm dia. Class 1	Each		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		7823.700	0.000	0
69.2	Over 300 mm dia.	Quintal		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		1100.000	0.000	0
70.2	100 mm dia. pipe	Joint		1520.000	0.000	0
70.3	125 mm dia. pipe	Joint		1855.000	0.000	0
70.4	150 mm dia. pipe	Joint	45.000	2150.000	96750.000	Rupees Ninety Six Thousand Seven Hundred Fifty Only
70.5	200 mm dia. pipe	Joint		3480.000	0.000	0
70.6	250 mm dia. pipe	Joint		5030.000	0.000	0
70.7	300 mm dia. pipe	Joint		7710.000	0.000	0
70.8	350 mm dia. Pipe	Joint		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		281.850	0.000	0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0.000	0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

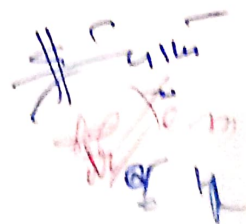
				547.600	0.000	
72	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After 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				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	0.000	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	85.0000	449.850	38237.250	Rupees Thirty Eight Thousand Two Hundred Thirty Seven Paise Twenty Five Only
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	0.000	0
73.03	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840	0.000	0
73.04	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		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	70.0000	535.350	37474.500	Rupees Thirty Seven Thousand Four Hundred Seventy Four 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		552.640	0.000	0
73.07	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		588.890	0.000	0
73.08	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		598.350	0.000	0

**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

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		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		1395.960	0.000	0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		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		530.000	0.000	0
75.2	62.5 mm dia	m		1110.000	0.000	0
75.3	75 mm dia	m		1420.000	0.000	0
75.4	100 mm dia	m		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		172.590	0.000	0
76.2	4 km	Cum		189.750	0.000	0
76.3	5 Km	Cum	84.160	206.280	17360.525	Rupees Seventeen Thousand Three Hundred Sixty Paise FiftyTwo Only
76.4	Beyond 5 km upto 10 km per km	Cum	84.160	74.600	6278.336	Rupees Six Thousand Two Hundred SeventyEight Paise ThirtyFour Only
76.5	Beyond 10 km upto 20 km per km	Cum	84.160	121.400	10217.024	Rupees Ten Thousand Two Hundred Seventeen Paise Two Only
76.6	Beyond 20 km per additional km	Cum		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		172.590	0.000	0
77.2	4 km	Cum		189.750	0.000	0
77.3	5 km	Cum	98.760	206.270	20371.225	Rupees Twenty Thousand Three Hundred SeventyOne Paise TwentyThree Only
77.4	Beyond 5 km upto 10 km per km	Cum	98.760	74.600	7367.496	Rupees Seven Thousand Three Hundred SixtySeven Paise Fifty Only

**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

77.5	Beyond 10 km upto 20 km per km	Cum	98.760	121.400	11989.464	Rupees Eleven Thousand Nine Hundred Eighty Nine Paise Fourty Six Only
77.6	Beyond 20 km per additional km	Cum		9.940	0.000	0
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 10mm and above :				0.000	0
78.1	3 km	Cum		187.600	0.000	0
78.2	4 km	Cum		206.250	0.000	0
78.3	5 km	Cum	5.400	224.200	1210.680	Rupees One Thousand Two Hundred Ten Paise Sixty Eight Only
78.4	Beyond 5 km upto 10 km per km	Cum	5.400	81.100	437.940	Rupees Four Hundred Thirty Seven Paise Ninety Four Only
78.5	Beyond 10 km upto 20 km per km	Cum	5.400	13.200	71.280	Rupees Seventy One Paise Twenty Eight Only
78.6	Beyond 20 km per additional km	Cum		10.760	0.000	0
79	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :				0.000	0
79.1	3 km	Cum		203.060	0.000	0
79.2	4 km	Cum		223.240	0.000	0
79.3	5 km	Cum		242.670	0.000	0
79.4	Beyond 5 km upto 10 km per km	Cum		17.550	0.000	0
79.5	Beyond 10 km upto 20 km per km	Cum		14.280	0.000	0
79.6	Beyond 20 km per additional km	Cum		11.700	0.000	0
80	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGI Sheets:				0.000	0
80.1	3 km	Tonne		153.420	0.000	0
80.2	4 km	Tonne		168.670	0.000	0
80.3	5 km	Tonne	16.200	183.360	2970.432	Rupees Two Thousand Nine Hundred Seventy Paise Fourty Three Only
80.4	Beyond 5 km upto 10 km per km	Tonne	16.200	66.300	1074.060	Rupees One Thousand Seventy Four Paise Six Only


  
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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

80.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0.000	0
80.6	Beyond 20 km per additional km	Tonne		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		215.740	0.000	0
81.2	4 km	Cum		237.190	0.000	0
81.3	5 Km	Cum		257.840	0.000	0
81.4	Beyond 5 km upto 10 km per km	Cum		18.640	0.000	0
81.5	Beyond 10 km upto 20 km per km	Cum		15.180	0.000	0
81.6	Beyond 20 km per additional km	Cum		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		153.420	0.000	0
82.2	4 km	Tonne		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	45.200	66.300	2996.760	Rupees Two Thousand Nine Hundred NinetySix Paise SeventySix Only
82.5	Beyond 10 km upto 20 km per km	Tonne		10.800	0.000	0
82.6	Beyond 20 km per additional km	Tonne		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		460.253	0.000	0
83.2	4 km	per 1000		506.012	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

Part A(Rapid sand Filtration Plant) Tral Via Monghama

83.6	Beyond 20 km per additional km	per 1000			0.000	0
84	Carrriage of materials by mechanical transport including loading, unloading, stacking of materials - wood:				0.000	0
84.1	3 km	Cum		197.248	0.000	0
84.2	4 km	Cum		216.856	0.000	0
84.3	5 Km	Cum		235.739	0.000	0
84.4	Beyond 5 km upto 10 km per km	Cum		17.043	0.000	0
84.5	Beyond 10 km upto 20 km per km	Cum		13.881	0.000	0
84.6	Beyond 20 km per additional km	Cum		11.362	0.000	0
85	Carrriage of materials by manual means including loading, unloading, stacking of materials- (Sand)				0.000	0
85.1	Ist 50m	Cum		209.900	0.000	0
85.2	Beyond Ist 50m	Cum		45.700	0.000	0
86	Carrriage of materials by manual means including loading, unloading, stacking of materials- Aggregate Below 40mm				0.000	0
86.1	Ist 50m	Cum		209.900	0.000	0
86.2	Beyond Ist 50m	Cum		45.700	0.000	0
87	Carrriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0.000	0
87.1	Ist 50m	Cum		226.920	0.000	0
87.2	Beyond Ist 50m	Cum		49.400	0.000	0
88	Carrriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0.000	0
88.1	Ist 50m	Cum		246.940	0.000	0
88.2	Beyond Ist 50m	Cum		53.760	0.000	0
89	Carrriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0.000	0
89.1	Ist 50m	Tonne		261.100	0.000	0
89.2	Beyond Ist 50m	Tonne		38.320	0.000	0
90	Carrriage of materials by manual means including loading, unloading, stacking of materials- Earth				0.000	0
90.1	Ist 50m	Cum		209.900	0.000	0
90.2	Beyond Ist 50m	Cum		45.700	0.000	0
91	Carrriage of materials by manual means including loading, unloading, stacking of materials- Cement				0.000	0

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**Part A(Rapid sand Filtration Plant) Trial Via Monghama**

91.1	1st 50m	Tonne		121.570	0.000	0
91.2	Beyond 1st 50m	Tonne		17.840	0.000	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0.000	0
92.1	1st 50m	per 1000		391.817	0.000	0
92.2	Beyond 1st 50m	per 1000		85.307	0.000	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood				0.000	0
93.1	1st 50m	Cum		167.854	0.000	0
93.2	Beyond 1st 50m	Cum		24.633	0.000	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.	mtr	60.000	103.500	6210.000	Rupees Six Thousand Two Hundred Ten Only
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	20.000	824.550	16491.000	Rupees Sixteen Thousand Four Hundred NinetyOne Only
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	0.000	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	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	100.000	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		192.050	0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

97.3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m			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.			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.			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.			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.			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.			74.750	0.000	0
103	Supply of 24-Watt LED slim aluminum panel surface type complete in all respects.	No.			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.			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.			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.			417.450	0.000	0

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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	0.000	
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		27000.000	0.000	0
112.2	20 KVA	Job		37000.000	0.000	0
112.3	25 KVA	Job	1.000	42000.000	42000.000	Rupees Forty Two Thousand Only
112.4	30 KVA	Job		47000.000	0.000	0
112.5	40 KVA	Job		57000.000	0.000	0
112.6	50 KVA	Job		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		7598.000	0.000	0
114.03	64 Amp. 4 pole Change over of reputed make	No		5000.000	0.000	0
114.04	32 Amp. 4 pole Change over of reputed make	No		2500.000	0.000	0

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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	2.000	4550.000	9100.000	Rupees Nine Thousand One Hundred Only
114.07	64 Amp-Copper bus bar	No		3750.000	0.000	0
114.08	32 Amp-Copper bus bar	No		2850.000	0.000	0
114.09	100 Amp MCCB	No		3300.000	0.000	0
114.1	63 Amp MCCB	No	2.000	2700.000	5400.000	Rupees Five Thousand Four Hundred Only
114.11	40 Amp MCCB	No		2100.000	0.000	0
114.12	16 Amp MCCB	No		1250.000	0.000	0
114.13	6 Amp MCCB	No		630.000	0.000	0
114.14	3-phase indicator points	No	4.000	445.000	1780.000	Rupees One Thousand Seven Hundred Eighty Only
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
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				0.000	0
116.1	50 mm dia	m		530.000	0.000	0
116.2	62.5 mm dia	m		1110.000	0.000	0
116.3	75 mm dia	m	50.000	1420.000	71000.000	Rupees SeventyOne Thousand Only
116.4	100 mm dia	m		1990.000	0.000	0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:				0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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		2800.000	0.000	0
118.3	0.75 HP	No		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 FourtyEight 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 itemn 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		2800.000	0.000	0
119.04	0.75 HP	No	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 FourtyEight 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 dozing 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 itemns 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		2800.000	0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

120.04	0.75 HP	No		3400.000	0.000	0
120.05	1.0 HP	No	1.000	4800.000	4800.000	Rupees Four Thousand Eight Hundred Only
120.06	Foundation / Base plate.	Set	1.000	4548.000	4548.000	Rupees Four Thousand Five Hundred FortyEight 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		14058.000	0.000	0
121.2	100 mm dia.	Each		17210.000	0.000	0
121.3	125 mm dia.	Each		21000.000	0.000	0
121.4	150 mm dia.	Each	12.000	26720.000	320640.000	Rupees Three Lakh Twenty Thousand Six Hundred Forty Only
121.5	200 mm dia.	Each		42300.000	0.000	0
121.6	250 mm dia.	Each		66440.000	0.000	0
121.7	300 mm dia.	Each		83100.000	0.000	0
121.8	350 mm dia.	Each		181060.000	0.000	0
121.9	Air Scouring Arrangements				0.000	0



Part A(Rapid sand Filtration Plant) Trial Via Monghama

12	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				0.000	0
22.1	2.10 KLPM Air blower with 2.0 HP Motor.	No		67500.000	0.000	0
22.2	4.2 KLPM Air blower with 5.0 HP Motor.	No		87500.000	0.000	0
22.3	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		153400.000	0.000	0
122.5	12.3 KLPM Air blower with 12.50 HP Motor.	No		163400.000	0.000	0
122.6	16.80 KLPM Air blower with 15.0 HP Motor.	No		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
124.1	Pumping unit with 5.0 HP Motor.	Set	1.000	20268.000	20268.000	Rupees Twenty Thousand Two Hundred SixtyEight Only
124.2	Pumping unit with 7.5 HP Motor.	Set		29115.000	0.000	0
124.3	Pumping unit with 12.5 HP Motor.	Set		46486.000	0.000	0
124.4	Pumping unit with 15.0 HP Motor.	Set		49866.000	0.000	0
125	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

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**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

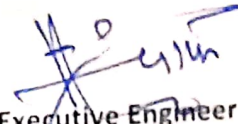
125.02	Riveted and bolted	Kg		105.770	0.000	0
125.03	Welded	Kg		102.140	0.000	0
125.04	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc complete				0.000	0
125.05	On steel work	sqm		188.800	0.000	0
125.06	On concrete work	sqm		183.430	0.000	0
125.07	Central axle turn table with double bearing and guide for incoming cable.	Set		4800.000	0.000	0
125.08	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).				0.000	0
125.09	Pumping unit with 2.0 HP Motor.	Set		19120.000	0.000	0
125.1	Pumping unit with 5.0 HP Motor.	Set		24268.000	0.000	0
125.11	Pumping unit with 7.5 HP Motor.	Set		33115.000	0.000	0
125.12	Starter along with necessary wiring upto motor	No		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
125.14	0.5 HP	No		5300.000	0.000	0
125.15	0.75 HP	No		5900.000	0.000	0
125.16	1.0 HP	No		7300.000	0.000	0
125.17	Incoming cable, telescopic electric pole with rotary current collector	Set		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		1108.150	0.000	0
126.02	150 mm dia	m		1581.250	0.000	0
126.03	200 mm dia	m		1947.000	0.000	0
126.04	250 mm dia	m		2504.800	0.000	0
126.05	300 mm dia	m		3129.200	0.000	0
126.06	350 mm dia	m		3707.000	0.000	0
126.07	400 mm dia	m		4440.200	0.000	0
126.08	450 mm dia	m		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		7823.700	0.000	0
127.02	Over 300 mm dia.	Quintal		8225.100	0.000	0

**Part A(Rapid sand Filtration Plant) Tral Via Monghama**

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	0.000	
	<b>Total</b>					5911732.000
	<b>Add 8% on all items</b>					472938.00
	<b>Grand Total</b>					6384670.000

Head Draftsman

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 Executive Engineer  
 Jal Shakti (PHE) Division  
 Awantipora

**Part B (Clarifloculator) Trial Via Monghama**

Sl. No.	Item Description	Units	Quantity	Allotted Rate in		Amount	
				Rs.	P.	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			11.350		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	1.000		7090.800	7090.8	Rupees Seven Thousand Ninety Paise Eighty Only
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	47.690		188.750	9001.4875	Rupees Nine Thousand One Paise FortyNine 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
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	47.690		539.350	25721.6015	Rupees TwentyFive Thousand Seven Hundred TwentyOne 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	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

Part B (Clarifloculator) Trail Via Monghama

7.3	50 meter beyond 1 m from cutting edge	Cum		612.750	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		
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL		155.550	0		
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0		
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	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	26.610	198.700	5684.807		Rupees Nine Thousand Six Hundred EightyFour Paise EightyOne Only
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	0		
12	Excavating, subsoiling 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		
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	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		
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.	100 sqm		2193.900	0		
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	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		
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010	0		
18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0		

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**Part B (Rapid sand Filtration Plant) Tral Via Monghama**

18	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	3.650	4861.840	17745.716	Rupees Seventeen Thousand Seven Hundred Fortyfive Paise Seventytwo 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	0
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		7800.766	0	0
	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
19	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
20	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
20.1	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 (Clarifloculator) Tral Via Monghama**

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	9.490	7911.260	75077.8574		Rupees SeventyFive Thousand SeventySeven Paise EightySix Only
25.2	All works above plinth level upto floor V level	Cum	17.010	9302.980	158243.6898		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	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	0
29	Centering and shuttering including strutting, propping etc. and removal of form for:				0	0	0
29	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	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	Suspended floors, roofs, landings, balconies and access platforms.	sqm	0.640	635.600	406.784		Rupees Four Hundred Six Paise SeventyEight Only
29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	10.720	502.850	5390.552		Rupees Five Thousand Three Hundred Ninety Paise FiftyFive Only

9.1  
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**Part B (Clarifloculator) Tral Via Monghama**

	Columns, pillars, piers, abutments, posts and struts.	sqm	14.400	680.150	9794.16	Rupees Nine Thousand Seven Hundred NinetyFour Paise Sixteen Only
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		573.850	0	0
29.1	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	6.740	52.460	353.5804	Rupees Three Hundred FiftyThree Paise FiftyEight Only
	walls	sqm	194.880	114.770	22366.3776	Rupees TwentyTwo Thousand Three Hundred SixtySix Paise ThirtyEight Only
	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	10.720	100.570	1078.1104	Rupees One Thousand SeventyEight Paise Eleven Only
29.1	Edges of slabs and breaks in floors and walls	RM		242.300	0	0
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)				0	0
29.1	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	225.430	57.900	13052.397	Rupees Thirteen Thousand FiftyTwo Paise Forty 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
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	2994.930	87.180	261097.9974	Rupees Two Lakh SixtyOne Thousand NinetyEight 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



Part B (Clarifloculator) Trial Via Monghama

						Rupees Thous Hund Paise
32.1	Cement mortar 1:4 ( 1 cement : 4 coarse sand)	Cum	2.850	7476.380	21307.683	
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)	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	
39.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	450.440	146.630	66048.0172	Rupees SixtySix Thousand FourtyEight Paise Two 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	

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**Part B (Clarifloculator) Tral Via Monghama**

M.S. tube	Kg	81.360	172.900	14067.144	Rupees Fourteen Thousand SixtySeven Paise Fourteen Only
E.R.W. tubes	Kg		166.050	0	0
G.I. pipes	Kg		174.250	0	0
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
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
1 Riveted and bolted	Kg		105.770	0	0
2 Welded	Kg		102.140	0	0
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
3.1 80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm		3238.200	0	0
3.2 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
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	mtr		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

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Part B (Clarifloculator) Tral Via Monghama

			272.870	343.750	93796.0620
47.1	1 : 3 ( 1 cement : 3 fine sand)	sqm			
47.2	1 : 4 ( 1 cement : 4 fine sand)	sqm		325.450	0
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		221.500	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
49.1	1 : 4 ( 1 cement : 4 fine sand)	sqm		300.450	0
49.2	1 : 6 ( 1 cement : 6 fine sand)	sqm		278.600	0
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	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
52	Applying priming coat:				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
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	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
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900	0
53	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				0
53.1	Two or more coats on new work	sqm		121.950	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
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
54.1	On steel work	sqm		188.800	0
54.2	On concrete work	sqm		183.430	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
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
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
57.1	125 mm	each		66.350	0
57.2	100 mm	each		52.300	0

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Part B (Clarifloculator) Tral Via Monghama

	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
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
65.1	1 mm thick	sqm		129.500	0	0
65.2	2 mm thick	sqm		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)				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

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 H. S. Khan  
 20/11/21

## Part B (Clarifloculator) Tral Via Monghama

				840.000		
66.1	80 mm dia. nominal bore	m		1234.950	0	0
66.1	100 mm dia. nominal bore	m	180.000	2167.650	390177	0
66.1	150 mm dia. nominal bore	m				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
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	0.000	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
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
69.2	Over 300 mm dia.	Quintal		8225.100		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
70.1	80 mm dia. pipe	Joint		1100.000		0
70.2	100 mm dia. pipe	Joint		1520.000		0
70.3	125 mm dia. pipe	Joint		1855.000		0
70.4	150 mm dia. pipe	Joint	32.000	2150.000	68800	0
70.5	200 mm dia. pipe	Joint				0
70.6	250 mm dia. pipe	Joint		3480.000		0
70.7	300 mm dia. pipe	Joint		5030.000		0
70.8	350 mm dia. Pipe	Joint		7710.000		0
				9635.000		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
71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850		0
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300		0
71.3	Kickers (320mm wide, 5mm thick)	m		261.750		0

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Part B (Clarifloculator) Trial Via Monghama

	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		547.666	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	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		449.850	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)	Kg		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		535.350	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
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)	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.)	sqm		974.700	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

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Part B (Clarifloculator) Tral Via Monghama

3	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
3	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		600.000	0	0
3	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		449.850	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)	Kg		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		535.350	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
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)	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.)	sqm		974.700	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

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**Part B (Clarifloculator) Tral Via Monghama**

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						
75.1	50 mm dia	m			530.000	0	
75.2	62.5 mm dia	m			1110.000	0	
75.3	75 mm dia	m			1420.000	0	
75.4	100 mm dia	m			1990.000	0	
76	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - SAND:						
76.1	3 km	Cum			172.590	0	
76.2	4 km	Cum			189.750	0	
76.3	5 Km	Cum	36.570	206.280	7543.6596		Rupees Seven Thousand Five Hundred FourtyThree Paise SixtySix Only
76.4	Beyond 5 km upto 10 km per km	Cum	36.570	74.600	2728.122		Rupees Two Thousand Seven Hundred TwentyEight Paise Twelve Only
76.5	Beyond 10 km upto 20 km per km	Cum			12.140	0	
76.6	Beyond 20 km per additional km	Cum			9.940	0	
77	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate below 40mm :						
77.1	3 km	Cum			172.590	0	
77.2	4 km	Cum			189.750	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	
77.6	Beyond 20 km per additional km	Cum			9.940	0	
78	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Aggregate 40mm and above :						
78.1	3 km	Cum			187.600	0	
78.2	4 km	Cum			206.250	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	



**Part B (Clarifloculator) Trail Via Monghama**

	Beyond 20 km per additional km	Cum		10.760	0	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Stone Soling :	Cum		203.060	0	0
	3 km	Cum		223.240	0	0
	4 km	Cum		242.670	0	0
	5 Km	Cum		17.550	0	0
	Beyond 5 km upto 10 km per km	Cum		14.280	0	0
	Beyond 10 km upto 20 km per km	Cum		11.700	0	0
	Beyond 20 km per additional km				0	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Steel/ CGL Sheets:	Tonne		153.420	0	0
	3 km	Tonne		168.670	0	0
	4 km	Tonne	4.920	183.360	902.1312	Rupees Nine Hundred Two Paise Thirteen Only
	5 Km					
	Beyond 5 km upto 10 km per km	Tonne	4.920	76.240	375.1008	Rupees Three Hundred SeventyFive Paise Ten Only
		Tonne		10.800	0	0
		Tonne		8.830	0	0
	Beyond 10 km upto 20 km per km				0	0
	Beyond 20 km per additional km				0	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Earth:	Cum		215.740	0	0
	3 km	Cum		237.190	0	0
	4 km	Cum		257.840	0	0
	5 Km	Cum		18.640	0	0
	Beyond 5 km upto 10 km per km	Cum		15.180	0	0
	Beyond 10 km upto 20 km per km	Cum		12.420	0	0
	Beyond 20 km per additional km				0	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:	Tonne		153.420	0	0
	3 km	Tonne		168.670	0	0
	4 km	mt	19.500	183,360	3575.52	Rupees Three Thousand Five Hundred SeventyFive Paise FiftyTwo Only
	5 Km					
	Beyond 5 km upto 10 km per km	Tonne		13.260	0	0
	Beyond 10 km upto 20 km per km	Tonne		10.800	0	0
	Beyond 20 km per additional km	Tonne		8.830	0	0
	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: ( 15 km avg.)				0	0
	3 km	per 1000		460.253	0	0
	4 km	per 1000		506.012	0	0
	5 Km	per 1000		550.057	0	0
	Beyond 5 km upto 10 km per km	per 1000		198.890	0	0
	Beyond 10 km upto 20 km per km	per 1000		161.920	0	0

Part B (Clarifloculator) Tral Via Monghama

		per 1000			
83.6	Beyond 20 km per additional km				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
86.1	Ist 50m	Cum		209.900	0
86.2	Beyond Ist 50m	Cum		45.700	0
87	Carriage of materials by manual means including loading, unloading, stacking of materials- Aggregate 40mm and Above				0
87.1	Ist 50m	Cum		226.920	0
87.2	Beyond Ist 50m	Cum		49.400	0
88	Carriage of materials by manual means including loading, unloading, stacking of materials- Stone Soling				0
88.1	Ist 50m	Cum		246.940	0
88.2	Beyond Ist 50m	Cum		53.760	0
89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0
89.1	Ist 50m	Tonne		261.100	0
89.2	Beyond Ist 50m	Tonne		38.320	0
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0
90.1	Ist 50m	Cum		209.900	0
90.2	Beyond Ist 50m	Cum		45.700	0
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0
91.1	Ist 50m	Tonne		121.570	0
91.2	Beyond Ist 50m	Tonne		17.840	0
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0
92.1	Ist 50m				0
92.2	Beyond Ist 50m	per 1000		391.817	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood	per 1000		85.307	0
93.1	Ist 50m	Cum			0
93.2	Beyond Ist 50m	Cum		167.854	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.	mtr		24.633	0
				103.500	0

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**Part B (Clarifloculator) Tral Via Monghama**

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	
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	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:					
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

Part B (Clarifloculator) Tral Via Monghama

114	40 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 10kn/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:		2800.000	0	0
118	0.5 HP	No	3400.000	0	0
118	0.75 HP	No	4800.000	0	0
118	1.0 HP	No	4548.000	0	0
119	Foundation \ Base plate	Set	1680.000	0	0
119	Starter along with necessary wiring upto motor	No		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
119	3-phase electrically driven motors:		2800.000	0	0
119	0.5 HP	No	0	0	0
119	0.75 HP	No	4800.000	0	0
119	1.0 HP	No	4548.000	0	0
119	Foundation / Base plate	Set	1680.000	0	0
119	Starter along with necessary wiring upto motor	No		0	0
119	P.V.C outlet, overflow system with fittings upto point of application	mtr	530.000	0	0
119	150mm dia drain out let	mtr	1350.000	0	0
119	50 mm dia Service water piping.	mtr	530.000	0	0
119	Constant dosing 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:		2800.000	0	0
120	0.5 HP	No	3400.000	0	0
120	0.75 HP	No	4800.000	0	0
120	1.0 HP	No	4548.000	0	0
120	Foundation / Base plate.	Set	1680.000	0	0
120	P.V.C outlet, overflow system with fittings upto point of application.	mtr	530.000	0	0
120	Starter along with necessary wiring upto motor	No	1680.000	0	0

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Part B (Clarifloculator) Tral Via Monghama

120.1	150 mm dia Drain out let	mtr		1350 000	0	
120.1	50mm dia service water piping	mtr		530 000	0	
120.1	Constant dosing unit with time device	Set		1500 000	0	
121	Providing and fixing DI sluice valves Class I (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	
121.1	80 mm dia	Each		14058 000	0	
121.2	100 mm dia	Each		17210 000	0	
121.3	125 mm dia	Each		21000 000	0	
121.4	150 mm dia	Each	1.000	26720 000	26720	Rupees Twenty Six Thousand Seven Hundred Twenty Only
121.5	200 mm dia	Each		42300 000	0	
121.6	250 mm dia	Each		66440 000	0	
121.7	300 mm dia	Each		83100 000	0	
121.8	350 mm dia	Each		181060 000	0	
121.9	Air Scouring Arrangements				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	
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
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
124.1	Pumping unit with 5.0 HP Motor	Set		20268 000	0	0
124.2	Pumping unit with 7.5 HP Motor	Set		29115 000	0	0
124.3	Pumping unit with 12.5 HP Motor	Set		46486 000	0	0
124.4	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
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 Clarifier.				0	0
125	Riveted and bolted	Kg		105 770	0	0

125 Weided

125 Finishing prepared appro

125 On

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Part B (Clarifloculator) Trial Via Monghama

		Kg	700.000	102.140	71498	Rupees SeventyOne Thousand Four Hundred NinetyEight Only
5	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
25	On steel work	sqm	20.000	188.000	3776	Rupees Three Thousand Seven Hundred SeventySix Only
125	On concrete work	sqm		183.430	0	0
125	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	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).	Set		19120.000	0	0
125	Pumping unit with 2.0 HP Motor.	Set	1.000	24268.000	24268	Rupees TwentyFour Thousand Two Hundred SixtyEight Only
125	Pumping unit with 5.0 HP Motor.				0	0
125	Pumping unit with 7.5 HP Motor.	Set		33115.000	0	0
125	Starter along with necessary wiring upto motor	No	1.000	1680.000	1680	Rupees One Thousand Six Hundred Eighty Only
125	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.	No		5300.000	0	0
125	0.5 HP	No		5900.000	0	0
125	0.75 HP	No	1.000	7300.000	7300	Rupees Seven Thousand Three Hundred Only
125	1.0 HP				6500	Rupees Six Thousand Five Hundred Only
125	Incoming cable, telescopic electric pole with rotary current collector	Set	1.000	6500.000	6500	
126	Providing and laying/fixing S&S Centrifugally Cast (5pun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328					
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	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)					
127	Up to 300 mm dia.	Quintal		7823.700	0	0
127	Over 300 mm dia.	Quintal		8225.100	0	0

1 1  
2 25  
1 50  
Earth excav. etc. (necessity dressing including excavated)

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**Part B (Clarifloculator) Tral Via Monghama**

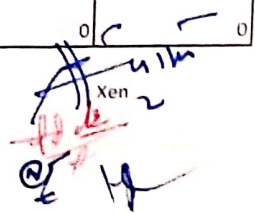
				147.000	0	0
128	Providing/ Fixing, installation, successful commissioning of double flanged MS pipes/specials to be fabricated from MS tube heavy quality nominal thickness 6mm, conforming to relevant Indian Standard IS-1239 and/or IS 1161 read with up to date amendments. The pipe material should be of 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				
	<b>Total</b>				1585959.5	
	<b>Add 8% on all items</b>				126876	
	<b>Grand Total</b>				1712835.5	

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**Part C ( construction of flash mixer)**

Sl. No.	Item Description	Units	Quantity	Estimated 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	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
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	2.920	539.350	1574.902	Rupees One Thousand Five Hundred SeventyFour Paise Ninety 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:				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


  
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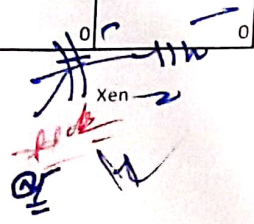
Part C ( construction of flash mixer)

8.1	All kinds of soil :	Cum		252.050	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	
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0	
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Cum		247.750	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		198.700	0	
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	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	
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	0.270	1320.000	0	Rupees Three Hundred Fifty Six 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	356.4	
15	Supply and filling of filter media from approved source - Sand (Coarse filter sand - in filter beds. Including all carriages, complete job	Cum		7958.000	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 centering 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	0.160	4861.840	0	0
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				777.2344	Rupees Seven Hundred SeventySeven Paise EightyNine Only
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

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**Part C ( construction of flash mixer)**

1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum		9408.140	0	0
	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
1.1	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
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
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-incharge. Note: - Cement in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is content considered payable or recoverable separately.				0	0
25.1	All works upto plinth level	Cum	0.330	7911.260	2610.7158	Rupees Two Thousand Six Hundred Ten Paise SeventyTwo Only
25.2	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


  
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## Part C ( construction of flash mixer)

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:			1.300	262.300	0
29.01	Foundations, footings, bases of columns etc. for mass concrete.	sqm	✓	✓	340.99	Rupees Three Hundred Forty Paise NinetyNine Only
29.02	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	✓	✓	11999.2035	Rupees Eleven Thousand Nine Hundred NinetyNine Paise Twenty Only
29.03	Suspended floors, roofs, landings, balconies and access platforms.	sqm	✓	✓	2656.808	Rupees Two Thousand Six Hundred FiftySix Paise EightyOne Only
29.04	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		502.850	0	0
29.05	Columns, pillars, piers, abutments, posts and struts.	sqm		680.150	0	0
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	✓	✓	68.198	Rupees SixtyEight Paise Twenty Only
	walls	sqm	✓	✓	2399.8407	Rupees Two Thousand Three Hundred NinetyNine Paise EightyFour Only
29.12	Edges of slabs and breaks in floors and walls	RM		242.300	0	0
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

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		Part C ( construction of flash mixer)					
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			Rupees One Thousand One Hundred Seventy Nine 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.					1170.150	
31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	163.980	87.180			
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.					14295.7764	Rupees Fourteen Thousand Two Hundred Ninety Five Rupee Seventy Eight Only
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180			
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :						
32.1	Cement mortar 1:4 ( 1 cement : 4 coarse sand)	Cum		7476.380			
32.2	Cement mortar 1:6 ( 1 cement : 6 coarse sand)	Cum		7111.310			
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			
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):						
34.1	First class kail wood	Cum		106894.150			
35	Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II IS : 12823 marked	sqm		1931.200			
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.						
36.1	First class kail wood (30 mm thick shutter)	mm/sqm		2784.100			
36.2	Second kail wood (30 mm thick shutter)	mm/sqm		2489.750			
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.						
37.1	With Galvanized M.S. Wire gauge with wire of dia 0.63 mm	sqm		925.000			
37.2	With 2nd class teak wood beading 62x19 mm	sqm		1274.050			

## Part C (construction of flash mixer)

37.3	4 mm thick glass pane (weighing not less than 10 kg/sqm)	sqm		1768.000		
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		4052.000	0	0
38.2	Using flats 30x6mm for diagonal braces and central cross plate.	sqm		4189.000	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
39.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.660	0	0
39.2	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
40.1	M.S. tube	Kg		172.950	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		91.000	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	80x125 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 (1 cement: 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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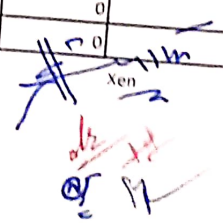
**Part C ( construction of flash mixer)**

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	20.910 ✓	343.750 ✓	7187.8125 ✓	Rupees Seven Thousand One Hundred EightySeven Paise EightyOne 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)	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	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

Xen

Part C ( construction of flash mixer)

				183.430	0	
				115.450		
54.2	On concrete work	sqm				
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			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		
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 <sup>2</sup>	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/m <sup>2</sup>	m		762.450	0	0
60.2	0.63 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m		691.350	0	0
60.3	0.50 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	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
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
65.1	1 mm thick	sqm		129.500	0	0

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Part C ( construction of flash mixer)

2	2 mm thick	sqm		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)				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		418.500	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	12.000	2167.650	0	0
66.1	150 mm dia. nominal bore	m			26011.8	Rupees TwentySix Thousand Eleven Paise Eighty 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				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 carnages. 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	3.000	2150.000	6450	Thousand Four 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.					

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**Part C ( construction of flash mixer)**

71.1	Serrated with central bulb (225 mm wide, 8-11mm thick)	m		281.850	0	
71.2	Dumb bell with central bulb (180mm wide, 8mm thick)	m		228.300	0	
71.3	Kickers (320mm wide, 5mm thick)	m		261.750	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		
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
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 engineer in-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
					0	0

**Part C ( construction of flash mixer)**

4.3	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	2.100	206.280		0	0
76.3	5 Km		✓	✓		433.188	Rupees Four Hundred ThirtyThree Paise Nineteen Only
76.4	Beyond 5 km upto 10 km per km	Cum	2.100	74.570		156.597	Rupees One Hundred FiftySix Paise Sixty Only
76.5	Beyond 10 km upto 20 km per km	Cum	2.100	121.440		255.024	Rupees Two Hundred FiftyFive Paise Two Only
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	2.550	206.280		526.014	Rupees Five Hundred TwentySix Paise One Only
77.4	Beyond 5 km upto 10 km per km	Cum	2.550	74.600		190.23	Rupees One Hundred Ninety Paise TwentyThree 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

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Part C ( construction of flash mixer)

78.3	5 Km	Cum	0.144	224,200	32,2848	Rupees ThirtyTwo Paise TwentyEight Only	
78.4	Beyond 5 km upto 10 km per km	Cum	0.144	81,100	11,6784	Rupees Eleven Paise SixtyEight 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	
80.2	4 km	Tonne		168,670	0	0	
80.3	5 Km	Tonne	0.160	183,360	29,3376	Rupees TwentyNine Paise ThirtyFour Only	
80.4	Beyond 5 km upto 10 km per km	Tonne	0.160	66,290	10,6064	Rupees Ten Paise SixtyOne Only	
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	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	0
82.1	3 km	Tonne		153,420	0	0	
82.2	4 km	Tonne		168,670	0	0	
82.3	5 Km	Tonne	0.200	183,360	36,672	Rupees ThirtySix Paise SixtySeven Only	
82.4	Beyond 5 km upto 10 km per km	Tonne	0.200	66,290	13,258	Rupees Thirteen Paise TwentySix Only	

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**Part C ( construction of flash mixer)**

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
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks:				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	per 1000		26.508	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

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Part C ( construction of flash mixer)

92.2	Beyond 1st 50m	per 1000		85.307	0	0
93	Carriage of materials by manual means including loading, unloading, stacking of materials- wood			167.854	0	0
93.1	1st 50m	Cum		24.633	0	0
93.2	Beyond 1st 50m	Cum		103.500	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			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
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

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**Part C ( construction of flash mixer)**

105	Supply of 200 mm nominal sweep Exhaust Fans including shutter from outside complete.Confirming to relevant Indian Standards	No.		1550.000		
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
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
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
114.1	200 Amp 3-phase copper bus bar	No		7500.000	0	0
114.1	100 Amp-Copper bus bar	No		4550.000	0	0
114.1	64 Amp-Copper bus bar	No		3750.000	0	0
114.1	32 Amp-Copper bus bar	No		2850.000	0	0
114.1	100 Amp MCCB	No		3300.000	0	0
114.1	63 Amp MCCB	No		2700.000	0	0

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**Part C ( construction of flash mixer)**

114.1	40 Amp MCCB	No		2100.000		0
114.1	16 Amp MCCB	No		1250.000		0
114.1	6 Amp MCCB	No		630.000		0
114.1	3-phase indicator points	No		445.000		0
114.2	3-phase voltmeter and Amperemeters	No		1190.000		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
116.1	50 mm dia			530.000		0
116.2	62.5 mm dia	m		1110.000		0
116.3	75 mm dia	m		1420.000		0
116.4	100 mm dia	m		1990.000		0
117	Providing, fitting, testing and commissioning of following items for Flash Mixer:					0
118	Mixing device with reduction gear system					0
118.1	3-phase Electrically driven motor:					0
118.2	0.5 HP					0
118.3	0.75 HP	No		2800.000		0
118.4	1.0 HP	No		3400.000		0
118.5	Foundation \ Base plate	No		4800.000		0
118.6	Starter along with necessary wiring upto motor	Set		4548.000		0
119	Providing, fitting, testing and commissioning of following itemn for Alum Dosing Unit-	No		1680.000		0
119	Mixing device with reduction gear system.					0
119	3-phase electrically driven motors:	Set		2500.000		0
119	0.5 HP					0
119	0.75 HP	No				0
119.1	1.0 HP	No		2800.000		0
119.1	Foundation / Base plate	No		3400.000		0
119.1	Starter along with necessary wiring upto motor	Set		4800.000		0
119.1	P.V.C outlet, overflow system with fittings upto point of application	No		4548.000		0
119.1	150mm dia drain out let	Lot		1680.000		0
119.1	50 mm dia Service water piping.	Lot		530.000		0
119.1	Constant dosing unit with time device	Lot		1350.000		0
119.1	Manually operated hoist	Set		530.000		0
120	Providing, fitting, testing and commissioning of following items for Chlorine Dosing Unit-	Set		1500.000		0
120	Mixing device with reduction gear system.			10000.000		0
120	3-phase electrically driven motors:	Set		2500.000		0
120	0.5 HP					0
120	0.75 HP	No		2800.000		0
120.1	1.0 HP	No		3400.000		0
120.1	Foundation / Base plate.	No		4800.000		0
120.1	P.V.C outlet, overflow system with fittings upto point of application.	Set		4548.000		0
		Lot		530.000		0



Part C ( construction of flash mixer)

120.1	Starter along with necessary wiring upto motor	No		1680.000	0	0
120.1	150 mm dia Drain out let	Lot		1350.000	0	0
120.1	50mm dia service water piping	Lot		530.000	0	0
120.1	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, 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		26720.000	0	0
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					
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					
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 Hasvey duty valves and other accessories required for the job.				0	0
124.1	Pumping unit with 5.0 HP Motor.	Set		20268.000	0	0
124.2	Pumping unit with 7.5 HP Motor.	Set		29115.000	0	0
124.3	Pumping unit with 12.5 HP Motor.	Set		46486.000	0	0
124.4	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
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 Clarifier.					

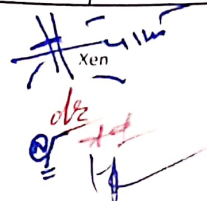
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### Part C ( construction of flash mixer)

125	Riveted and bolted	Kg		105.770		0
125	Welded	Kg		102.140		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
125.1	On steel work	sqm		188.800		0
125.1	On concrete work	sqm		183.430		0
125.1	Central axle turn table with double bearing and guide for incoming cable.	Set		4800.000		0
125.1	Peripheral drive assembly with following motors, gear box, rollers, drive trolley (60:1 reduction gear box).					0
125.1	Pumping unit with 2.0 HP Motor.	Set		19120.000		0
125.1	Pumping unit with 5.0 HP Motor.	Set		24268.000		0
125.1	Pumping unit with 7.5 HP Motor.	Set		33115.000		0
125.1	Starter along with necessary wiring upto motor	No		1680.000		0
125.1	Flocculator drive assembly with crown wheel, pinion sets, reduction gear (40:1) with motors complete job.					0
125.1	0.5 HP	No		5300.000		0
125.2	0.75 HP	No		5900.000		0
125.2	1.0 HP	No		7300.000		0
125.2	Incoming cable, telescopic electric pole with rotary current collector	Set		6500.000		0
126	Providing and laying/fixing S&S Centrifugally Cast (Spun)/ Ductile Iron Pipes Class K-7 conforming to IS : 8328					0
126	100 mm dia	m		1108.150		0
126	150 mm dia	m		1581.250		0
126	200 mm dia	m		1947.000		0
126	250 mm dia	m		2504.800		0
126.1	300 mm dia	m		3129.200		0
126.1	350 mm dia	m		3707.000		0
126.1	400 mm dia	m		4440.200		0
126.1	450 mm dia	m		5378.150		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
127	Up to 300 mm dia.	Quintal		7823.700		0
127	Over 300 mm dia.	Quintal		8225.100		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
<b>Total</b>						0
<b>Add 8% on all items</b>						0
<b>Grand Total</b>						109033.89
						100957.3
						8076.58


  
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Part D (Back Wash Tank)

Sl. No.	Item Description	Units	Quantity	Estimated 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	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		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 :				0	0
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		539.350	0	0
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

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Part D (Back Wash Tank)

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
9	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	1 KL		155.550	0
10	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered).				0
10.1	Depth exceeding 1.5 m but not exceeding 3 m	Sqm		247.750	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		198.700	0
11.1	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	Cum		59.950	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
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		1320.000	0
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
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
17	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	Cum		787.400	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
18.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	Cum		6434.010	0
18.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	Cum		5399.020	0

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**Part D (Back Wash Tank)**

3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum		4861.840	0	0
9	Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level				0	0
9.1	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	2.160	9408.140	20321.58	Rupees Twenty Thousand Three Hundred TwentyOne Paise FiftyEight 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	9.270	9849.350	91303.47	Rupees NinetyOne Thousand Three Hundred Three Paise FourtySeven 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

Part D (Back Wash Tank)

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.						
25.1	All works upto plinth level	Cum					0
25.2	All works above plinth level upto floor V level	Cum	7.720	9302.980			0
							Rupees SeventyOne Thousand Eight Hundred Nineteen Paise One 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.	Cum	7.720	111.870			71819.01
	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)						Rupees Eight Hundred SixtyThree Paise SixtyFour 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					863.6364
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					309.050
							1074.370
29	Centering and shuttering including strutting, propping etc. and removal of form for:						0
29	Foundations, footings, bases of columns etc. for mass concrete.	sqm					0
							262.300
29	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	61.770	573.850			0
							0
29	Suspended floors, roofs, landings, balconies and access platforms.	sqm	34.300	635.600			35446.71
							21801.08
							Rupees TwentyOne Thousand Eight Hundred One Paise Eight Only

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**Part D (Back Wash Tank)**

29	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm	12.680	502.850			Rupees Six Thousand Three Hundred SeventySix Paise Fourteen Only
					6376.138		
29.1	Columns, pillars, piers, abutments, posts and struts.	sqm	26.750	680.150			Rupees Eighteen Thousand One Hundred NinetyFour Paise One Only
					18194.01		
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		573.850		0	0
29.1	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		52.460		0	0
	walls	sqm		114.770		0	0
	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	sqm		100.570		0	0
29.1	Edges of slabs and breaks in floors and walls	RM	35.880	242.300	8693.724		Rupees Eight Thousand Six Hundred NinetyThree Paise SeventyTwo 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).					0	0
29.1	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	61.770	57.900	3576.483		Rupees Three Thousand Five Hundred SeventySix Paise FortyEight 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 D (Back Wash Tank)

31.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	1345.500	87.180			
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				117300.7		
31.3	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		87.180		0	
32	Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in :					0	
32.1	Cement mortar 1:4 ( 1 cement : 4 coarse sand)	Cum		7476.380		0	
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)	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

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Part D (Back Wash Tank)

1	Using M.S. angles 40x40x6mm for diagonal braces.	sqm		4352.950	0	0
2	Using flats 30x6mm for diagonal braces and central cross piece.	sqm		4189.600	0	0
9	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
9.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required.	Kg		114.680	0	0
9.2	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
40.1	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.				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	30.000	105.770	0	0
42.2	Welded	Kg		102.140	3064.2	Rupees Three Thousand SixtyFour Paise Twenty Only
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

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**Part D (Back Wash Tank)**

44.2	50 mm thick with 20mm nominal size stone	sqm		505.000	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	
45.1	In colour such as White, Ivory, Grey, Fume, Red Brown (as directed by the engineer incharge)	sqm		1210.660	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	
46.1	Makrana White Second quality (16mm)	sqm		6175.390	0	
46.2	Extra for pre finished nosing to treads of steps of marble stone	mtr		579.310	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	
47	12mm Cement plaster finished with a floating coat of neat cement of mix:				0	
47.1	1 : 3 ( 1 cement : 3 fine sand)	sqm	156.080	343.750	53652.5	Rupees FiftyThree Thousand Six Hundred FiftyTwo Paise Fifty Only
47.2	1 : 4 ( 1 cement : 4 fine sand)	sqm		325.450	0	
48	6 mm cement plaster to ceiling of mix 1 : 3 (1 cement : 3 fine sand)	sqm		221.500	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	
49.1	1 : 4 ( 1 cement : 4 fine sand)	sqm		300.450	0	
49.2	1 : 6 ( 1 cement : 6 fine sand)	sqm		278.600	0	
50	Pointing on brick work in 1 cement : 3 sand mix. flush/ruled/structure or weathered pointing	sqm		183.550	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	88.220	91.800	8098.596	Rupees Eight Thousand NinetyEight Paise Sixty Only
52	Applying priming coat:				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	
52.2	With ready mixed aluminum primer of approved brand and manufacture on resinous wood and ply wood	sqm		60.400	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	
52.4	With ready mixed red oxide Zinc Chromate primer of approved brand and manufacture on steel work (second coat)	sqm		28.900	0	

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Part D (Back Wash Tank)

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		
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				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		
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 <sup>2</sup>	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/m <sup>2</sup>	m		762.450	0	0

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Part D (Back Wash Tank)

60.2	0.63 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m		691.350		0	
60.3	0.50 mm thick with zinc coating not less than 275 gram/m <sup>2</sup>	m		626.700		0	
61	Providing and fixing plained eaves boarding. 2nd class kail wood					0	
61.1	250x32 mm (nominal size)	m		693.900		0	
61.2	300x40 mm (nominal size)	m		998.850		0	
62	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000		0	
63	Providing and fixing plained eaves boarding. (II Class kail Wood)					0	
63.1	250x32 mm (nominal size)	m		693.900		0	
63.2	300x40 mm (nominal size)	m		998.850		0	
64	Providing and fixing of 0.5mm Color GS Sheet Soffit boarding including Backing, supports etc complete job	m		600.000		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	
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	15 mm dia. nominal bore	m		163.550		0	
66	20 mm dia. nominal bore	m		204.450		0	
66	25 mm dia. nominal bore	m		298.150		0	
66	32 mm dia. nominal bore	m		350.900		0	
66.1	40 mm dia. nominal bore	m		418.800		0	
66.1	50 mm dia. nominal bore	m		559.350		0	
66.1	65 mm dia. nominal bore	m		711.700		0	
66.1	80 mm dia. nominal bore	m		840.000		0	
66.1	100 mm dia. nominal bore	m		1234.950		0	
66.1	150 mm dia. nominal bore	m	35.000	2167.650	75867.75	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.						Rupees SeventyFive Thousand Eight Hundred SixtySeven Paise SeventyFive Only
67.1	80 mm dia. Class 1	Each				0	0
67.2	100 mm dia. Class 1	Each		10815.000		0	0
67.3	125 mm dia. Class 1	Each		13164.000		0	0
67.4	150 mm dia. Class 1	Each		15961.000		0	0
67.5	200 mm dia. Class 1	Each		20243.000		0	0
		Each		31698.000		0	0

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**Part D (Back Wash Tank)**

7.6	250 mm dia. Class 1	Each		50356.000	0	0
7.8	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	10.000	2150.000	21500	Rupees TwentyOne Thousand Five Hundred 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

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Part D (Back Wash Tank)

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
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		449.850		
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
73	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg		494.840		0
73	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		504.130		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		535.350		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
73.1	Powder coated aluminum (minimum thickness of powder coated 50 microns)	Kg			0	0
73.1	Polyester powder coated aluminum (minimum thickness of polyester powder coated 50 microns)	Kg		588.890		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		598.350		0
74.1	With floating glass panes of 4.0 mm thickness (weight not less than 10.00 kg / sqm)	sqm		974.700		0
74.2	With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg / sqm)	sqm		1072.170		0
74.3	With float glass panes of 8 mm thickness (weight not less than 20.0 kg / sqm)	sqm		1395.960		0
				1807.140		0

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**Part D (Back Wash Tank)**

5	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
		Cum		172.590		0	0
76.1	3 km	Cum		189.750		0	0
76.2	4 km	Cum	8.600	206.280			
76.3	5 Km					1774.008	Rupees One Thousand Seven Hundred SeventyFour Paise One Only
76.4	Beyond 5 km upto 10 km per km	Cum	8.600	74.570		641.302	Rupees Six Hundred FourtyOne Paise Thirty Only
76.5	Beyond 10 km upto 20 km per km	Cum	8.600	121.440		1044.384	Rupees One Thousand FourtyFour Paise ThirtyEight Only
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
		Cum		172.590		0	0
77.1	3 km	Cum		189.750		0	0
77.2	4 km	Cum		206.280			
77.3	5 km	Cum	16.440	206.280		3391.243	Rupees Three Thousand Three Hundred NinetyOne Paise TwentyFour Only

Part D (Back Wash Tank)

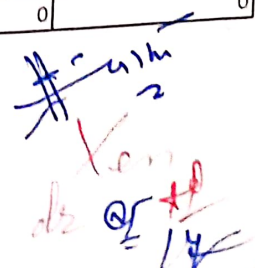
77.4	Beyond 5 km upto 10 km per km	Cum	16.440	74.600	1226.424	Rupees One Thousand Hundred TwentySix Paise Only
77.5	Beyond 10 km upto 20 km per km	Cum	16.440	121.440	1996.4736	Rupees One Thousand Nine Hundred NinetySix Paise FourtySeven Only
77.6	Beyond 20 km per additional km	Cum		9.940	0	0
78	Carriage 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		224.200	0	0
78.4	Beyond 5 km upto 10 km per km	Cum		81.100	0	0
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		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	0
80.1	3 km	Tonne		153.420	0	0
80.2	4 km	Tonne		168.670	0	0
80.3	5 Km	Tonne	1.720	183.360	315.3792	Rupees Three Hundred Fifteen Paise ThirtyEight Only
80.4	Beyond 5 km upto 10 km per km	Tonne	1.720	66.290	114.0188	Rupees One Hundred Fourteen Paise Two Only
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	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

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**Part D (Back Wash Tank)**

81.5	Beyond 10 km upto 20 km per km	Cum		15.189	0	0
81.6	Beyond 20 km per additional km	Cum		12.426	0	0
82	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Cement:				0	0
82.1	3 km	Tonne		153,426	0	0
82.2	4 km	Tonne		168,670	0	0
82.3	5 km	mt	7.650	181,360	1467.704	Propose One Thousand Four Hundred Two Paise Seventy Only
82.4	Beyond 5 km upto 10 km per km	Tonne	7.650	66,290	507.1185	Propose Five Hundred Seven Paise Twelve Only
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
83	Carriage of materials by mechanical transport including loading, unloading, stacking of materials - Bricks: ( 15 km avn.)				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		198.890	0	0
83.5	Beyond 10 km upto 20 km per km	per 1000		161.920	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	1st 50m	Cum		209,900	0	0
85.2	Beyond 1st 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	1st 50m	Cum		209,900	0	0
86.2	Beyond 1st 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	1st 50m	Cum		226,920	0	0
87.2	Beyond 1st 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	1st 50m	Cum		246,940	0	0
88.2	Beyond 1st 50m	Cum		53,760	0	0


  
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Part D (Back Wash Tank)

89	Carriage of materials by manual means including loading, unloading, stacking of materials- Steel/CGI Sheets				0	
89.1	1st 50m	Tonne	261.100		0	
89.2	Beyond 1st 50m	Tonne	38.320		0	
90	Carriage of materials by manual means including loading, unloading, stacking of materials- Earth				0	
90.1	1st 50m	Cum	209.900		0	
90.2	Beyond 1st 50m	Cum	45.700		0	
91	Carriage of materials by manual means including loading, unloading, stacking of materials- Cement				0	
91.1	1st 50m	Tonne	121.570		0	
91.2	Beyond 1st 50m	Tonne	17.840		0	
92	Carriage of materials by manual means including loading, unloading, stacking of materials- Bricks				0	
92.1	1st 50m	per 1000	391.817		0	0
92.2	Beyond 1st 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	1st 50m	Cum	167.854		0	0
93.2	Beyond 1st 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.	mtr	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

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Part D (Back Wash Tank)

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		300.000				
2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	m		192.000			0	0
3	2 x 4 sq. mm + 1 x 4 sq. mm earth wire	m		230.000			0	0
4	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
9	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
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

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Part D (Back Wash Tank)

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	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			
114	Providing and fitting of:					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	No		1190.000		0	0
115	Providing and fitting of Fancy wall brackets and doom light of reputed make.					0	0

16 Mechanical drainage IS-4985 approved performance in

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Part D (Back Wash Tank)

16	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
119	3-phase electrically driven motors:					0	0
119	0.5 HP	No		2800.000		0	0
119	0.75 HP	No		0		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	mtr		530.000		0	0
119	150mm dia drain out let	mtr		1350.000		0	0
119	50 mm dia Service water piping.	mtr		530.000		0	0
119	Constant dosing 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.	mtr		530.000		0	0
120	Starter along with necessary wiring upto motor	No		1680.000		0	0
120	150 mm dia Drain out let	mtr		1350.000		0	0

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Part D (Back Wash Tank)

120	50mm dia service water piping	mtr		530.000		0	
120	Constant dozing unit with time device.	Set		1500.000		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	
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	1.000	26720.000	26720		Rupees TwentySix Thousand Seven Hundred Twenty 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.	Each		181060.000		0	0
122	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	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

25 Structural and frame in position steel an

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### Part D (Back Wash Tank)

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 Clarifier.							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
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

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Part D (Back Wash Tank)

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		
	<b>Total</b>					0
	<b>Add 8% on all items</b>					597012.6
	<b>Grand Total</b>					47761.0
	<b>Grand Total (A+B+C+D)</b>					644773.6
	Rates & quantity checked by					88,51,314/-

Head Draftsman

Terms Conditions:-

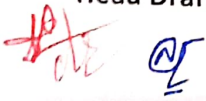
- 1 The cost of work in no case exceed beyond Rs 88,51,314/- (Rupees eighty eight lacs fifty one thousand three hundred and fourteen) only
- 2 Bid declaration security vide CDR No.579870 Dated:-28.03.2022 for an amount of Rs 50,000/- are being retained as security deposit shall be released after submission of 3% performance security deposit
- 3 Time of completion is essence of the contract.
- 4 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.
- 5 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.
- 6 The allotted works shall be subject to check by the third party monitoring agency appointed by the department.
- 7 Payment shall be released as per actual / measured work done not less than 20% of the allotted cost on a monthly basis
- 8 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.
- 9 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

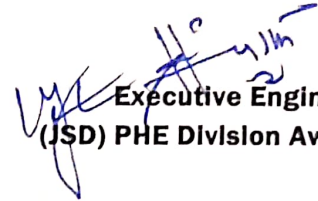


Pre & post Geo-tagged photographic evidence be taken during the execution of the work and shall have to be produced at the time of submission of the bill.

- 11 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, clarifloculator, flush Mixer, filter house and wash water Disposable chamber
- 12 All other terms and conditions shall be applicable as laid down in standard bid document and PWD from No. 25/33.
- 13 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.

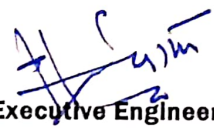
Head Draftsman



  
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

  
Executive Engineer  
(JSD) PHE Division Awantipora 