

Sheet2

S.NO.	DESCRIPTION	no.	L	B	H	E&S	
1	Dismantling brick on edge flooring		3622	5		18110	sq.m
2	Centring & Shuttering for flat surface						
	Collection tank	1	3.7	3.7		13.69	
	Screening tank	1	3.4	2.7		9.18	
	Screening tank(pump)	1	2.45	2.7		6.615	
	Manhole(1.2m to 2m)	27	1.5	0.9		36.45	
	Manhole(2m to 3m)	47	1.5	0.9		63.45	
	Manhole(3m to 5m)	63	1.5	0.9		85.05	
					TOTAL	214.435	sq.m
			P				
3	Centring & Shuttering for vertical surface						
	Collection tank(inner)	1	12		8.8	105.6	
	Collection tank(outer)	1	16.4		9.4	154.16	
	Screening tank(inner)	1	8.4		6.3	52.92	
	Screening tank(inlet)	1	7.1		6.3	44.73	
	Inlet+screening tank	1	14.1		6.75	95.175	
	Manhole(1.2m to 2m) base slab	27	7.72		0.2	41.688	
	Manhole(1.2m to 2m) top slab	27	6.64		0.175	31.374	
	Manhole(2m to 3m) base slab	47	7.72		0.2	72.568	
	Manhole(2m to 3m) top slab	47	6.64		0.175	54.614	
	Manhole(3m to 5m) base slab	63	7.72		0.2	97.272	
	Manhole(3m to 5m) top slab	63	6.64		0.175	73.206	
	Cleanouts	23	1.2		0.125	3.45	
					total	826.757	sq.m
4	P.C.C. 1:4:8 with stone						
	room		16.92	1	0.23	3.8916	
	Manhole					72	
	SW line		3622	1	0.1	362.2	
	Collection tank		6	6	0.15	5.4	
	Screening tank		3.25		3	9.75	
	Screening tank(inlet)		3.3	3	0.15	1.485	
	benching					77	
	beam(facultative,maturation tanks)					50	
					TOTAL	581.7266	cum
5	Cement Concrete 1:2:4						
						137.5	cum
6	Extra for mechanical mixer used by the contractor at his own cost						
	P.C.C. 1:4:8 with stone(as from 4)					581.7266	
	Manhole(as from 5)					137.5	
	P.C.C. 1:4:8 with stone(as per 26)					30	
					TOTAL	749.2266	cum
						782	
7	Extra for vibrator used by the contractor at his own cost						
	Manhole					137.5	
	M30					140.58	
					TOTAL	278.08	cum
8	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m)						
						total	664.72
	Manhole(1.2m to 2m)	27	5.72	0.23	1.5	53.2818	
		27	3.09	0.345	0.23	6.6201705	
	Manhole(2m to 3m)	47	5.72	0.23	1.5	92.7498	
		47	3.09	0.345	1	50.10435	
	Manhole(3m to 5m)	63	5.72	0.23	1.5	124.3242	
		63	3.09	0.345	1.5	100.741725	
		63	7.84	0.46	1.18	268.099776	
	Total (for sr. no. 8 & 9)					695.9218215	cum
9	First class burnt brick work laid in cement sand mortar 1:4 in first storey upto 4m above plinth level.						
						total	31.2018215 cum
10	12.5mm th. Inside Cement plaster 1:2 (Manhole)						

Sheet2

	Manhole					1626.891	
	Cleanouts					69.119	
					TOTAL	1696.01	sq.m
11	Cement rendering on plaster 1mm thick						
	Manhole					1626.891	
	Cleanouts					69.119	
					TOTAL	1696.01	sq.m
12	Dismantling of bituminous courses of flexible pavements by manual means & disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately as per technical clauses 202 of MORT & H specifications.						
					total	256	cum
13	For all classes of soil except rocky (upto 3m)						
	SW line					7034.89	
	Manhole					1930.6	
	facultative tank					3906	
	1 st maturation					826	
	2 nd maturation tank					826	
	3 rd maturation tank					826	
	anaerobic tank					300	
	Collection tank					162	
	Existing wastewater ponds at STP site(Lumpsum)					4581.11	
					total	20392.6	cum
14	For depth exceeding 3 metres but not exceeds 4.5m						
	SW line					926.54	
	Manhole					378.93	
	Collection tank					54	
					total	1359.47	
15	For depth exceeding 4.5 metres but not exceeds 6m						
	SW line					113.26	
	Manhole					38.53	
	Collection tank					54	
					total	205.79	
16	For depth exceeding 6 metres but not exceeds 7.5m						
	Manhole					30.53	
	Collection tank					54	
					TOTAL	84.53	
17	For depth exceeding 7.5 metres but not exceeds 9m						
	Collection tank					54	
					TOTAL	54	
18	SW PIPE (150mm) included all items						
	Total SW Line length					3322	
	Manhole(Deduction)					220.8	
						3101.2	
19	R.C.C. Manhole cover 560mm i/dextra heavy duty						
						147	
20	cold twisted deformed Fe415 grade as per IS 1786-1985						
						120.42	qtl
21	M-30						
	Manhole slab					65	
	Slab (Collection ,screening & inlet tanks)					75.58	
						140.58	
22	Room						
			17.1544	10.5944		181.7405754	sq.ft
23	Cleanouts						
			23				
24	PVC 100 dia connected with pump						
						28	
25	Pump (1 HP)						

Sheet2

									3
26		Boundry Wall(PCC 1:4:8) length =400 m. approx.							
			400	0.5	0.15			30	cum
27		Boundry Wall(1:4 First Brick work in foundation and plinth)							
			400	1.15	0.23			105.8	cum
28		Boundary wall (First class burnt brick work laid in cement sand mortar 1:4 in first storey upto 4m above plinth level)							
			400	1.5	0.23			138	cum
29		Excavation(Boundry Wall upto 3 m.)							
			400	1.12	0.5			224	cum
30		Generator(5KW)							
				1					
31		Roads, plantation, embience etc inside STP site							
									Lumpsum
32		Providing M.S. foot rests made of 20x20 mm square bar including fixing in manholes with 20x20x10 cm cement concrete blocks 1:2:4 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design.(137 manholes plus screen chambers & collection tanks(Lumpsum))						2400	
33		115 mm thick brick on edge lining in herring bone bond/zig-zag or other specified pattern in 1:3 cement sand mortar over 10mm thick cement plaster 1:3 over 12.50 mm thick cement plaster in 1:5 on sub grade.							
		On side slopes.						2205.56	sq.m
		In bed						3312.37	sq.m

