QUANTITY CALCULATIONS

o. ı	DESCRIPTION	no.	L	В	Н	E&S	
1	Dismantling brick on edge flooring		3622	5		18110.00	sq.m
-	Centring &Shuttering for flat surface						
\rightarrow	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		6.62	
\rightarrow	Manhole(1.2m to 2m)	27	1.5	0.9		36.45	
\rightarrow	Manhole(2m to 3m)	47	1.5	0.9		63.45	
	Manhole(3m to 5m)	63	1.5	0.9		85.05	
_			_		TOTAL	214.44	sq.m
2	Contribute C.Classical formation in the contribute of the contribu		Р				
-	Collection topy/inner)	1	12		0.0	105.00	
-	Collection tank(inner) Collection tank(outer)	1	12 16.4		8.8 9.4	105.60 154.16	
\rightarrow	Screening tank(inner)	1	8.4		6.3	52.92	
_			7.1				
\rightarrow	Screening tank(inlet)	1			6.3	44.73	
	Inlet+screening tank	1	14.1		6.75	95.18	
-	Manhole(1.2m to 2m) base slab	27	7.72		0.2	41.69	
-	Manhole(1.2m to 2m) top slab	27	6.64		0.175	31.37	
_	Manhole(2m to 3m) base slab	47	7.72		0.173	72.57	
\rightarrow	Manhole(2m to 3m) top slab	47	6.64		0.175	54.61	
_	Manhole(3m to 5m) top slab	63	7.72		0.173	97.27	
-	Manhole(3m to 5m) top slab	63	6.64		0.175	73.21	
	maintole(Jill to Jill) top slab	03	0.04		0.1/3	/3.21	
	Cleanouts	23	1.2		0.125	3.45	
- 1	cicanoais	23	1.2		total	826.76	
							- 1
4 1	P.C.C. 1:4:8 with stone						
	room		16.92	1	0.23	3.89	
- I	Manhole					72.00	
	SW line		3622	1	0.1	362.20	
- (Collection tank		6	6	0.15	5.40	
	Screening tank		3.2	25	3	9.75	
	Screening tank(inlet)		3.3	3	0.15	1.49	
ı	benching					77.00	
l	beam(facultative,maturation tanks)					50.00	
					TOTAL	581.73	cum
5 (Cement Concrete 1:2:4					407.70	
-						137.50	cum
٠	Extra for mechanical mixer used by the contractor at his						
	own cost						
_	P.C.C. 1:4:8 with stone(as from 4)					581.73	
ı	Manhole(as from 5)					137.50	
_	,					137.50 30.00	
_	Manhole(as from 5) P.C.C. 1:4:8 with stone(as per 26)						
_	,				TOTAL		
-	,				TOTAL	30.00	
7 1	P.C.C. 1:4:8 with stone(as per 26)				TOTAL	30.00	cum
7 1	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost				TOTAL	30.00 782.00	cum
7 1	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole				TOTAL	30.00 782.00 137.50	cum
7 [P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole					782.00 137.50 140.58	cum
7 1	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole					782.00 137.50 140.58	cum
7 1	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole M30				TOTAL	30.00 782.00 137.50 140.58 278.08	cum
7 1	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar					782.00 137.50 140.58	cum
7 11 11 11 8 ::	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m)				TOTAL	30.00 782.00 137.50 140.58 278.08 664.72	cum
7 11 11 11 8 ::	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar	27	5.72	0.23	TOTAL total	30.00 782.00 137.50 140.58 278.08 664.72 53.28	cum
7 11 11 11 8 3 3 3	Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m)	27	3.09	0.345	total 1.5 0.23	30.00 782.00 137.50 140.58 278.08 664.72 53.28 6.62	cum
7 11 11 11 8 3 3 3	P.C.C. 1:4:8 with stone(as per 26) Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m)	27 47	3.09 5.72	0.345	total 1.5 0.23 1.5	30.00 782.00 137.50 140.58 278.08 664.72 53.28 6.62 92.75	cum
7 11 11 11 8 :: 1	Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m) Manhole(1.2m to 2m) Manhole(2m to 3m)	27 47 47	3.09 5.72 3.09	0.345 0.23 0.345	total 1.5 0.23 1.5 1	30.00 782.00 137.50 140.58 278.08 664.72 53.28 6.62 92.75 50.10	cum
7 11 11 11 8 :: 1	Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m)	27 47 47 63	3.09 5.72 3.09 5.72	0.345 0.23 0.345 0.23	1.5 0.23 1.5 1	30.00 782.00 137.50 140.58 278.08 664.72 53.28 6.62 92.75 50.10 124.32	cum
7 11 11 11 8 :: 1	Extra for vibrator used by the contractor at his own cost Manhole M30 First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.(upto 1.5m) Manhole(1.2m to 2m) Manhole(2m to 3m)	27 47 47	3.09 5.72 3.09	0.345 0.23 0.345 0.23	total 1.5 0.23 1.5 1	30.00 782.00 137.50 140.58 278.08 664.72 53.28 6.62 92.75 50.10	cum

QUANTITY CALCULATIONS

First class burnt brick v	work laid in cement sand mortar					
9 1:4 in first storey upto						
				total	31.20	cum
10 12.5mm th. Inside Cen	nent plaster 1:2 (Manhole)					
Manhole					1626.89	
Cleanouts					69.12	
				TOTAL	1696.01	sq.m
11 Cement rendering on p	plaster 1mm thick					
Manhole					1626.89	
Cleanouts					69.12	
				TOTAL	1696.01	sq.m
by manual means & di to a lead of 1000 metr	nous courses of flexible pavements isposal of dismantled materials up es, stacking serviceable and Is separately as per technical & H specifications.			total	256.00	aum.
				total	256.00	cuiii
13 For all classes of soil ex	veent rocky (unto 2m)					
SW line	ACCPL TOCKY (upto 3111)	┨			7034.89	
Manhole		-			1930.60	
facultative tank		1 }			3906.00	
1 st maturation		1			826.00	
2 nd maturation tank					826.00	
3rd maturation tank		1			826.00	
anearobic tank		 			300.00	
Collection tank		1			162.00	
		1				
Existing wastewater po	onds at STP site(Lumpsum)	1			4581.11	
p	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		total	20392.60	
14 For depth exceeding 3	metres but not exceeds 4.5m					
SW line		1			926.54	
Manhole		see			378.93	
Collection tank					54.00	
		page 7		total	1359.47	
15 For depth exceeding 4	.5 metres but not exceeds 6m	- 11				
SW line		1			113.26	
Manhole		1			38.53	
Collection tank		1			54.00	
		1		total	205.79	
16 For depth exceeding 6	metres but not exceeds 7.5m] [
Manhole] [30.53	
Collection tank] [54.00	
] [
		<u> </u>		TOTAL	84.53	
17 For depth exceeding 7	.5 metres but not exceeds 9m					
		4			_	
Collection tank		4			54.00	
				TOTAL	54.00	
40 CM DIDE (5.50) : :	had ad all theres				-	
18 SW PIPE (150mm) incl	luded all Items				2222	
Total SW Line length					3322.00	
Manhole(Deduction)					220.80	
10 B C C Mambala	ECOmm I/doutes have duty				3101.20	
19 K.C.C. Mannole cover	560mm i/dextra heavy duty				147.00	
1					147.00	
20 cold to date d. d. f	Fo/15 arodo 10 1700 100-		1	1		
20 cold twisted deformed	Fe415 grade as per IS 1786-1985	see			430 40	
20 cold twisted deformed	l Fe415 grade as per IS 1786-1985	page 5			120.42	qtI
	l Fe415 grade as per IS 1786-1985				120.42	qtI
20 cold twisted deformed 21 M-30 Manhole slab	l Fe415 grade as per IS 1786-1985	page 5			65.00	

QUANTITY CALCULATIONS

						440.00	
						140.58	
22	Room						
			17.154	10.59		181.74	sq.ft
23	Cleanouts						
		23					
2/1	PVC 100 dia connected with pump						
	1 ve 100 dia connected with pump					28.00	
						28.00	
25	Pump (1 HP)						
						3.00	
26	Boundry Wall(PCC 1:4:8) length =400 m. approx.						
			400	0.5	0.15	30.00	cum
27	Boundry Wall(1:4 First Brick work in foundation and plinth						
21	Boundry Wan(1.4 First Brick Work in roundation and plintin	,	400	4.45	0.22	405.00	
			400	1.15	0.23	105.80	cum
20	Boundary wall (First class burnt brick work laid in cement						
28	sand mortar 1:4 in first storey upto 4m above plinth level)						
			400	1.5	0.23	138.00	cum
29	Excavation(Boundry Wall upto 3 m.)						
			400	1.12	0.5	224.00	cum
30	Generator(5KW)						
	,	1					
		_					
21	Dondo plantation ambianos eta incida CTD sita						
31	Roads, plantation, embience etc inside STP site						
						Lumpsum	
	Duraviding NA C foot yests made of 20020 man annual hou						
	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						
32	tanks(Lumpsum)					2400.00	
	, , , , , , , , , , , , , , , , , , ,						
	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						
33	12.50 mm thick cement plaster in 1:5 on sub grade.						
				L T			
	On side slopes.					2205.56	sq.m