

Steel Required in STP			
Dia	No of bars	length	Total Lerngth
10.000	68.00	4.50	306.00
12.000	28.67	5.20	149.07
10.000	37.00	3.30	122.10
16.000	36.00	4.50	162.00
12.000	23.00	4.50	103.50
20.000	31.00	16.00	496.00
16.000	25.00	3.50	87.50
16.000	6.00	1.80	10.80
12.000	6.00	1.80	10.80
20.000	31.00	3.20	99.20
16.000	31.00	5.30	164.30
16.000	15.00	4.50	67.50
12.000	27.00	4.50	121.50
10.000	19.00	4.50	85.50
12.000	30.00	4.20	126.00
10.000	30.00	4.30	129.00
12.000	22.00	4.50	99.00
10.000	36.00	4.50	162.00
16.000	22.00	1.60	35.20
12.000	21.60	5.30	114.48
12.000	17.60	2.70	47.52
10.000	34.40	2.70	92.88
12.000	21.60	7.00	151.20
10.000	21.60	3.90	84.24
12.000	56.00	2.70	151.20
10.000	31.20	2.70	84.24
16.000	18.00	4.00	72.00
12.000	18.00	2.30	41.40
12.000	26.67	2.70	72.00
10.000	15.33	2.70	41.40
12.000	18.00	4.00	72.00
10.000	18.00	2.30	41.40
12.000	42.00	2.00	84.00
16.000	20.00	6.50	130.00
16.000	43.33	2.50	108.33
20.000	16.67	6.50	108.33
16.000	43.33	2.50	108.33
12.000	16.67	6.50	108.33
12.000	43.33	2.50	108.33
12.000	16.67	6.50	108.33
12.000	43.33	2.50	108.33
16.000	50.40	2.00	100.80
16.000	16.00	6.30	100.80
16.000	50.40	2.00	100.80
16.000	16.00	6.30	100.80
16.000	42.00	2.70	113.40
16.000	18.00	6.30	113.40
16.000	42.00	2.70	113.40
16.000	18.00	6.30	113.40

Dia of Bar	Total Length	wt of unit length	Total wt(kg)
10.000	1148.760	0.617	709.111
12.000	1777.000	0.889	1579.556
16.000	1802.767	1.580	2848.816
20.000	703.533	2.469	1737.119

Total Wt of steel in STP

6874.6024691358

kg

Wt. of steel in manhole

70.000

qtl

44.700

qtl

Total wt of steel

114.7

qtl

5% loss

5.735

qtl

Total steel

120.435

qtl