

Village: Ghansoli
 Spacement: 1.5 m X 1.5 m
 S. no. 109

MANGROVE CELL MUMBAI
 First Year Operations
 Estimate of Mangrove Plantation

37

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Preparation of site(including removal of weeds and climbersetc.) and alignment etc.	Ha.	25	7459	300	7759
2	Nursery Cost	Ha.	30	8950.8	1000	9950.8
3	Excavation of primary and secondary canals in hard stiff clay for letting in tidal waters(92 cmt/ha.)	Ha	140	41770	0	41770
4	Transport of plants by Boat/Tempo from nursery to plantation site incl.loading etc.	"	12.54	3741.14	13332	17073.14
5	Planting incl. carrying of plants by headload	"	70	20885	0	20885
6	Purchase of material(Ghamela, Phawda, rope etc. plantation board etc.)	"	0	0	2000	2000
7	Casualty Replacement(20%)including carrying the plants by headloads.	"	20	5967.2	0	5967.2
8	Removal of garbage and moss around the plants etc.	"	20	5967.2	0	5967.2
9	Controlling of pests and insects by using pesticides and insecticides. Spraying nutrients for better growth of plants.	"	0	0	1500	1500
10	Watch and ward,Period:6 months,1 lab for 10ha.	"	15.6	4654.41	0	4654.41
11	Repairs of channels	Ha	7	2088.52	0	2088.52
12	Labor welfare 3%on wages			3045	0	3045
13	Contingencies 4% on M&S.			0	725.28	725.28
	TOTAL	"	176.75	104529	18857.28	123386.4
	SAY					123386

Asstt. Conservator of Forest,
 Mangrove Cell, Mumbai,

Village: Ghansoli
Spacing: 1.5 m X 1.5 m
S. no. 109

MANGROVE CELL MUMBAI
Second Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Nursery Cost for 890 plants	890 plants	6	1980	1000	2980
2	Transport of seedlings from nursery to planting site by vehicles incl.loading and unloading	890 plants	2.5	825	2000	2825
3	Casualty replacement incl.transport by headload.	890 plants	20	6600	0	6600
4	Maintenance of canals	1.00 ha.	19	6270	0	6270
5	Removing moss,algae and other litter around plants	1.00 ha.	20	6600	0	6600
6	Controlling pestes by spraying pesticides	1.00 ha.	1	330	50	380
7	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha.	31.2	10296	0	10296
	Total					35951
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					2517
	Grand Total					38468

Assn. Conservator of Forests
Mangrove Cell, Mumbai.

Village: Ghansoli
 Spacement: 1.5 m X 1.5 m
 S. no. 109

✓

MANGROVE CELL MUMBAI
Third Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Removing moss,algae and other litter around plants	1.00 ha.	20	7260	0	7260
2	Maintenance of canals	1.00ha.	19	6897	0	6897
3	Controlling pastes by spraying pesticides	1.00ha	1	363	50	413
4	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha	31.2	11325	0	11326
5	Total					25896
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					1813
	Grand Total					27709

Village: Ghansoli
 Spacement: 1.5 m X 1.5 m
 S. no. 109

MANGROVE CELL MUMBAI
Fourth Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Removing moss,algae and other litter around plants	1.00 ha.	20	8200	0	8200
2	Maintenance of canals	1.00ha.	19	7790	0	7790
3	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha	31.2	12792	0	12792
4	Total					28782
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					2015
	Grand Total					30797

el
 Asstt. Conservator of Forest,
 Mangrove Cell, Mumbai.

Village: Ghansoli
 Spacement: 1.5 m X 1.5 m
 S. no. 109

MANGROVE CELL MUMBAI
Fifth Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Removing moss,algae and other litter around plants	1.00 ha.	20	9600	0	9600
2	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha	31.2	14976	0	14976
	Total					24576
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					1720
	Grand Total					26296

Asstt. Conservator of Forest
 Mangrove Cell, Mumbai

Village: Ghansoli
 Spacement: 1.5 m X 1.5 m
 S. no. 109

MANGROVE CELL MUMBAI (Plantation)
Six Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Removing moss,algae and other litter around plants	1.00 ha.	20	10560	0	10560
2	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha	31.2	16473	0	16473
	Total					27033
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					1720
	Grand Total					28753

Asstt. Conservator of Forest,
 Mangrove Cell, Mumbai.

Village: Ghansoli
Spacing: 1.5 m X 1.5 m
S. no. 109

✓ 45

MANGROVE CELL MUMBAI (Plantation)
Seventh Year Operations
Estimate of Mangrove Plantation

S. No.	Item of Works	For 1.00 ha.				
		Unit	Mandays	Wages	M/S	Total
1	Removing moss,algae and other litter around plants	1.00 ha.	20	11616	0	11616
2	Watch and ward 1 watchman for 10 ha.for 12 months	1.00 ha	31.2	18120.3	0	18120.3
	Total					29736.3
	Equipment and Contigencies 3%+Labour Welfare 4% Total 7%					1720
	Grand Total					31456.3

Abstract

S. no.	Year	Amount
1)	First year	123386
2)	Second year	38468
3)	Third year	27709
4)	Fourth year	30797
5)	Fifth year	26296
6)	Six Year	28753
7)	Seventh Year	31456
	Total	306864.57


Asstt. Conservator of Forest,
Mangrove Cell, Mumbai.