

Model Rate Structure for Compensatory Afforestation Model No.4

Model rate structure for plantation of mixed tree species in areas with rainfall 800 mm and medium quality, medium drained soil

Spacement - 3m x 3m

Size of Pits - 0.45 x 0.45 x 0.45 M

No. of Seedlings - 1100 per ha.

Division Alibag Range Panvel
Plantation Site
Turbhe surve no.85

Round Panvel
beat-
rohinjan

DAILY WAGES RATE 399.73

Area :- 1.00 Hector

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
P.P.O + P.Y.O.WORKS								
1	(a) Survey & Demarcation	1.00	399.73	91.00	490.73	399.73	91.00	490.73
	(b) Preparation of treatment map (100 m x 50 m	1.00	399.73	91.00	490.73	399.73	91.00	490.73
	(c) Digging trial pits of size 0.30X0.30X0.60 in	0.40	159.89	0.00	159.89	159.89	0.00	159.89
	(d) Fixing 60 cm X0.05cmX0.12cm cement pillars upto 30cm deep in corner of Grid, painting with grid No. etc complete (3 pillars, Rs. 75/- for each pillars)	0.00	0.00	225.00	225.00	0.00	225.00	225.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	3997.30	91.00	4088.30	3997.30	91.00	4088.30
2	Soil and moisture Conservation work - Tincluding collection of rubbles from areas upto 30 m etc.	31.00	12391.63	0.00	12391.63	12391.63	0.00	12391.63
3	Providing and fixing chain link fencing 102 Rmt. Pre Ha (with one gate+two wickets gates for on site) (Rs. 1494 per Rmt of basic rate +20% for transportation of ave. lead plus 20% for trasporatation tribal/remote area (by tender process) (Rs. 1494+149+149=1792/- pre Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50mm 8 gauge thick and fixed 75 mm above groun gevel	0.00	0.00	430080.00	430080.00	0.00	430080.00	430080.00

4	Alignment of pits at 3.0m x 3.0m spacement. 1111 pits per ha) 100 pits 0.26 M.D. M&S 8.18 per	2.89	1155.22	91.00	1246.22	1155.22	91.00	1246.22
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	29312.20	0.00	29312.20	29312.20	0.00	29312.20
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	399.73	0.00	399.73	399.73	0.00	399.73
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants.	0.75	299.80	25.00	324.80	299.80	25.00	324.80
8	Providing and fixing (4 feet x3feet) information board each per site)	0.00	0.00	5000.00	5000.00	0.00	5000.00	5000.00
9	Part Nursery cost for raising of 1333 seedlings per ha. (ncluding 20% casualty replacement) in polybag of size 12.50cmx25.00cm (Wage Rs.11.90 +M.S. Rs. 3.62 per plant)	46.70	18667.39	4798.80	23466.19	18667.39	4798.80	23466.19
TOTAL :-		168.07	67182.62	440492.80	507675.42	67182.62	440492.80	507675.42
Contingancy 3%					15230.26	2015.48	13214.78	15230.26
Labour welfare 4%					20307.02	2687.30	17619.71	20307.02
TOTAL :-			67182.62	440492.80	543212.70	71885.40	471327.30	543212.70
SAY AS TOTAL :-					543213			543213


Range Forest Officer
Pune

DAILY WAGES RATE 439.70

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
First Year Operation								
1	Part nursery cost for maintenance of 1333 seedlings per ha. Rs. 2.64 per seedling (Wages Rs. 2.69 M & application of single super phosphate (1.66 MD per	14.80	6507.60	1079.73	7587.33	6507.60	1079.73	7587.33
2	Refilling of pits by good quality soil including	18.44	8108.12	1944.25	10052.37	8108.12	1944.25	10052.37
3	Transportation of 1333 seedlings from nursery to planting site including loading & unloading Rs. 0.14 M.D. per 100 plant and M.S. Rs. 1.82 per seedling	1.87	822.24	2426.00	3248.24	822.24	2426.00	3248.24
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	4885.10	0.00	4885.10	4885.10	0.00	4885.10
5	3 seedlings (1 Rmt circular) and 2 soil working (4.00 M.D. per 100 seedlings) fertilizer application	44.44	19540.40	911.02	20451.42	19540.40	911.02	20451.42
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1952.28	0.00	1952.28	1952.28	0.00	1952.28
7	Part nursery cost for casualty replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs. 3.62 total Rs. 12.55 per	7.78	3420.89	803.64	4224.53	3420.89	803.64	4224.53
8	Watch and ward (9 months-1 watcher)	27.38	12039.07	0.00	12039.07	12039.07	0.00	12039.07
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	505.66	10.00	515.66	505.66	10.00	515.66
10	Fire tracing	2.00	879.41	0.00	879.41	879.41	0.00	879.41
	TOTAL :-	133.41	58660.78	7174.64	65835.42	58660.78	7174.64	65835.42
	Contingency 3%				1975.06	1759.82	215.24	1975.06
	Labour welfare 4%				2633.42	2346.43	286.99	2633.42
	Grand TOTAL :-		58660.78	7174.64	70443.90	62767.03	7676.86	70443.90
	SAY AS TOTAL :-				70444			70444

Manager Forest Officer
Forest

DAILY WAGES RATE 483.67

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Second Year Operation								
1	Part Nursery cost for seedlings for casualty replacement (222 seedlings per ha.) labour rate @ 3.77 and M.S. 1.82 per seedling	2.46	1189.84	404.04	1593.88	1189.84	404.04	1593.88
2	Transportation of 222 seedlings for casualty replacement from Nursery to plantation site (including loading and unloading) wages 0.14 M.D. per 100 seedling & M.S. Rs. 1.82 per seedlings.	0.31	149.94	320.00	469.94	149.94	320.00	469.94
3	Planting for casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	2147.51	0.00	2147.51	2147.51	0.00	2147.51
4	2 weeding and 1 soil working, with fertilizer applicaton 2.5 M.D. per 100 seedlings at M.S.Rs.	27.77	13431.61	911.02	14342.63	13431.61	911.02	14342.63
5	Watch and ward 12 months-1 full time watcher for	36.50	17654.08	0.00	17654.08	17654.08	0.00	17654.08
6	Fire tracing	2.00	967.35	0.00	967.35	967.35	0.00	967.35
	TOTAL :-	73.48	35540.31	1635.06	37175.37	35540.31	1635.06	37175.37
	Contingancy 3%				1115.26	1066.21	49.05	1115.26
	Labour welfare (Medi &water) 4%				1487.01	1421.61	65.40	1487.01
	TOTAL :-		35540.31	1635.06	39777.65	38028.14	1749.51	39777.65
	SAY AS TOTAL :-				39778			39778


Range Forest Officer
Paurol

DAILY WAGES RATE 532.04

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Third Year Operation								
1	1 Weeding and 1 soil working (1.50 M.D. per 100 seedling) applying fertilizer @ Rs. 0.82 per plant.	16.67	8869.12	911.02	9780.14	8869.12	911.02	9780.14
2	Watch and ward 12 months-1 full time watcher for	36.50	19419.48	0.00	19419.48	19419.48	0.00	19419.48
3	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1064.08	0.00	1064.08	1064.08	0.00	1064.08
	TOTAL :-	55.17	29352.68	911.02	30263.70	29352.68	911.02	30263.70
	Contingancy 3%				907.91	880.58	27.33	907.91
	Labour welfare 4%				1210.55	1174.11	36.44	1210.55
	TOTAL :-		29352.68	911.02	32382.16	31407.37	974.79	32382.16
	SAY AS TOTAL :-				32382			32382

DAILY WAGES RATE 585.24

Sr.	Partifulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	21361.43	0.00	21361.43	21361.43	0.00	21361.43
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1170.49	0.00	1170.49	1170.49	0.00	1170.49
3	Fire tracing	2.00	1170.49	0.00	1170.49	1170.49	0.00	1170.49
	TOTAL :-	40.50	23702.41	0.00	23702.41	23702.41	0.00	23702.41
	Contingancy 3%				711.07	711.07	0.00	711.07
	Labour welfare 4%				948.10	948.10	0.00	948.10
	TOTAL :-		23702.41	0.00	25361.58	25361.58	0.00	25361.58
	SAY AS TOTAL :-				25362			25362

DAILY WAGES RATE 643.77

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Fifth Year Operation								
1	Watch and ward 12 months-1 full time watcher for plantaion.	36.50	23497.57	0.00	23497.57	23497.57	0.00	23497.57
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1287.54	0.00	1287.54	1287.54	0.00	1287.54
3	Fire tracing	2.00	1287.54	0.00	1287.54	1287.54	0.00	1287.54
	TOTAL :-	40.50	26072.65	0.00	26072.65	26072.65	0.00	26072.65
	Contingancy 3%				782.18	782.18	0.00	782.18
	Labour welfare (Medi &water) 4%				1042.91	1042.91	0.00	1042.91
	TOTAL :-		26072.65	0.00	27897.74	27897.74	0.00	27897.74
	SAY AS TOTAL :-				27898			27898

DAILY WAGES RATE 708.15

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Sixth Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	25847.33	0.00	25847.33	25847.33	0.00	25847.33
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1416.29	0.00	1416.29	1416.29	0.00	1416.29
3	Fire tracing	2.00	1416.29	0.00	1416.29	1416.29	0.00	1416.29
	TOTAL :-	40.50	28679.92	0.00	28679.92	28679.92	0.00	28679.92
	Contingancy 3%				860.40	860.40	0.00	860.40
	Labour welfare (Medi &water) 4%				1147.20	1147.20	0.00	1147.20
	TOTAL :-		28679.92	0.00	30687.51	30687.51	0.00	30687.51
	SAY AS TOTAL :-				30688			30688

M. V. V.
Range Forest Officer
Pavani

DAILY WAGES RATE 778.96

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Seventh Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	28432.07	0.00	28432.07	28432.07	0.00	28432.07
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1557.92	0.00	1557.92	1557.92	0.00	1557.92
3	Fire tracing	2.00	1557.92	0.00	1557.92	1557.92	0.00	1557.92
	TOTAL :-	40.50	31547.91	0.00	31547.91	31547.91	0.00	31547.91
	Contingancy 3%				946.44	946.44	0.00	946.44
	Labour welfare (Medi & water) 4%				1261.92	1261.92	0.00	1261.92
	TOTAL :-		31547.91	0.00	33756.26	33756.26	0.00	33756.26
	SAY AS TOTAL :-				33756			33756

DAILY WAGES RATE 856.86

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Eighth Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	31275.27	0.00	31275.27	31275.27	0.00	31275.27
2		2.00	1713.71	0.00	1713.71	1713.71	0.00	1713.71
3	Fire tracing	2.00	1713.71	0.00	1713.71	1713.71	0.00	1713.71
	TOTAL :-	40.50	34702.70	0.00	34702.70	34702.70	0.00	34702.70
	Contingancy 3%				1041.08	1041.08	0.00	1041.08
	Labour welfare (Medi & water) 4%				1388.11	1388.11	0.00	1388.11
	TOTAL :-		34702.70	0.00	37131.89	37131.89	0.00	37131.89
	SAY AS TOTAL :-				37132			37132

Range Forest Officer
Range Forest Officer
Forest

DAILY WAGES RATE 942.54

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Ninth Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	34402.80	0.00	34402.80	34402.80	0.00	34402.80
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1885.08	0.00	1885.08	1885.08	0.00	1885.08
3	Fire tracing	2.00	1885.08	0.00	1885.08	1885.08	0.00	1885.08
	TOTAL :-	40.50	38172.97	0.00	38172.97	38172.97	0.00	38172.97
	Contingency 3%				1145.19	1145.19	0.00	1145.19
	Labour welfare (Medi & water) 4%				1526.92	1526.92	0.00	1526.92
	TOTAL :-		38172.97	0.00	40845.08	40845.08	0.00	40845.08
	SAY AS TOTAL :-				40845			40845

DAILY WAGES RATE 1036.80

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Tenth Year Operation								
1	Watch and ward 12 months-1 full time watcher for	36.50	37843.08	0.00	37843.08	37843.08	0.00	37843.08
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	2073.59	0.00	2073.59	2073.59	0.00	2073.59
3	Fire tracing	2.00	2073.59	0.00	2073.59	2073.59	0.00	2073.59
	TOTAL :-	40.50	41990.27	0.00	41990.27	41990.27	0.00	41990.27
	Contingency 3%				1259.71	1259.71	0.00	1259.71
	Labour welfare (Medi & water) 4%				1679.61	1679.61	0.00	1679.61
	TOTAL :-		41990.27	0.00	44929.58	44929.58	0.00	44929.58
	SAY AS TOTAL :-				44930			44930


Range Forest Officer
Parvat

ALIBAG FOREST DIVISION

RATE STRUCTURE FOR COMPENSTORY AFFORESTATION ON WORKS IN ZONE II & III HEAVY RAIN FALL AREA (1100 PLANTS/Ha.)

DAILY WAGES RATE incriseing 10% per year

Area :- 1.000 Hector

Abstact

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	67183	440493	543213	71885	471327	543213
2)	First Year Operation	133.41	58661	7175	70444	62767	7677	70444
3)	Second Year Operation	73.48	35540	1635	39778	38028	1750	39778
4)	Third Year Operation	55.17	29353	911	32382	31407	975	32382
5)	Fourth Year Operation	40.50	23702	0	25362	25362	0	25362
6)	Fith Year Operation	40.50	26073	0	27898	27898	0	27898
7)	Sixth Year Operation	40.50	28680	0	30688	30688	0	30688
8)	Seventh Year Operation	40.50	31548	0	33756	33756	0	33756
9)	Eighth Year Operation	40.50	34703	0	37132	37132	0	37132
10)	Nineth Year Operation	40.50	38173	0	40845	40845	0	40845
11)	Tenth Year Operation	40.50	41990	0	44930	44930	0	44930
	Total :-	713.63	415605	450214	926426	444698	481728	926426

Ashish Thakare
(ASHISH THAKARE IFS)
Deputy Conservator of Forests
Alibag

Panvel
Range forest officer
Panvel