

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

Division Alibag

Range Panvel
Plantation Chinchvali Tarfe taloje

Size of Pits - 0.45 x 0.45 x 0.45 M

Site survey no. 29 (old 11)

No. of Seedlings - 1111 per ha.

Round Morba

Beet Shiravali

DAILY WAGES RATE 463.19

Area :- 1.00 Hector

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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P.P.O + P.Y.O.WORKS

1	(a) Survey & Demarcation	1.00	463.19	91.00	554.19	463.19	91.00	554.19
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	463.19	91.00	554.19	463.19	91.00	554.19
	(c) Digging trial pits of size 0.30X0.30X0.60 in corner of Grid.	0.40	185.28	0.00	185.28	185.28	0.00	185.28
	(d) Fixing 60 cm X 0.05cmx0.12cm 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) Cleaning of bushes and preparation of site (As per requirement)	10.00	4631.90	91.00	4722.90	4631.90	91.00	4722.90
2	Soil and moisture Conservation work - Including collection of rubbles from areas upto 30 m etc.	31.00	14358.89	0.00	14358.89	14358.89	0.00	14358.89
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 completer as per SSR item No. 1744 for 2017-18) Total Fencing 3600Rmt.	0.00	0.00	182865.60	182865.60	0.00	182865.60	182865.60

4	Alignment of pits at 3.0m x 3.0m spacing 1111 pits per ha) 100 pits 0.26 M.D. M.S. 8.18 per 100 pits	2.89	1338.62	91.00	1429.62	1338.62	91.00	1429.62
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	33965.72	0.00	33965.72	33965.72	0.00	33965.72
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt	1.00	463.19	0.00	463.19	463.19	0.00	463.19
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	347.39	25.00	372.39	347.39	25.00	372.39
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. (including 20% casualty replacement) in polybag of size 12.50cmx25.00cm (Wage Rs. 11.90 +M.S. Rs. 3.62 per plant)	46.70	21630.97	4798.80	26429.77	21630.97	4798.80	26429.77
	TOTAL :-	168.07	77848.34	193278.40	271126.74	77848.34	193278.40	271126.74
	Contingency 3%				8133.80	2335.45	5798.35	8133.80
	Labour welfare 4%				10845.07	3113.93	7731.14	10845.07
	TOTAL :-		77848.34	193278.40	290105.62	83297.73	206807.89	290105.62
	SAY AS TOTAL :-				290106			290106


Range Forest Officer
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DAILY WAGES RATE 509.51

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 & S Rs. 0.81)	14.80	5026.23	1079.73	6105.96	5026.23	1079.73	6105.96
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	9395.35	1944.25	11339.60	9395.35	1944.25	11339.60
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	952.78	2426.00	3378.78	952.78	2426.00	3378.78
4	Planting of 1111 seedlings (1.0 M.D. per 100 seedling)	11.11	5660.64	0.00	5660.64	5660.64	0.00	5660.64
5	3 seedlings (1 Rmt circular) and 2 soil working (4.00 M.D. per 100 seedlings) fertilizer application Rs. 0.82 per seedling.	44.44	22642.58	911.02	23553.60	22642.58	911.02	23553.60
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	2262.22	0.00	2262.22	2262.22	0.00	2262.22
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 seedling)	7.78	3963.98	803.64	4767.62	3963.98	803.64	4767.62
8	Watch and ward (9 months-1 watcher.)	27.38	13950.36	0.00	13950.36	13950.36	0.00	13950.36
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	585.94	10.00	595.94	585.94	10.00	595.94
10	Fire tracing	2.00	1019.02	0.00	1019.02	1019.02	0.00	1019.02
	TOTAL :-	133.41	65459.09	7174.64	72633.73	65459.09	7174.64	72633.73
	Contingency 3%				2179.01	1963.77	215.24	2179.01
	Labour welfare 4%				2905.35	2618.36	286.99	2905.35
	Grand TOTAL :-		65459.09	7174.64	77718.09	70041.23	7676.86	77718.09
	SAY AS TOTAL :-				77718			77718


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Sr. No.	Partifulars of works	DAILY WAGES RATE 560.46									
		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	1378.73	404.04	1782.77	1378.73	404.04	1782.77		1782.77	
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	404.04	404.00	808.04	404.04	404.00	808.04		808.04	
3	Planting for casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	2488.44	0.00	2488.44	2488.44	0.00	2488.44		2488.44	
4	2 weeding and 1 soil working, with fertilizer applicaton 2.5 M.D. per 100 seedlings at M.S.Rs. 0.82 per seedling	27.77	15563.97	911.02	16474.99	15563.97	911.02	16474.99		16474.99	
5	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	20456.79	0.00	20456.79	20456.79	0.00	20456.79		20456.79	
6	Fire tracing	2.00	1120.92	0.00	1120.92	1120.92	0.00	1120.92		1120.92	
	TOTAL :-	73.48	41412.89	1719.06	43131.95	41412.89	1719.06	43131.95		43131.95	
	Contingancy 3%				1293.96	1242.39	51.57	1293.96		1293.96	
	Labour welfare (Medi &water) 4%				1725.28	1656.52	68.76	1725.28		1725.28	
	TOTAL :-		41412.89	1719.06	46151.19	44311.79	1839.39	46151.19		46151.19	
	SAY AS TOTAL :-				46151			46151		46151	


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DAILY WAGES RATE 616.51

Sr. No.	Particulars 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	10277.15	911.02	11188.17	10277.15	911.02	11188.17
2	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	22502.46	0.00	22502.46	22502.46	0.00	22502.46
3	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1233.01	25.00	1258.01	1233.01	25.00	1258.01
	Fire tracing	2.00	1233.01	0.00	1233.01	1233.01	0.00	1233.01
	TOTAL :-	57.17	35245.64	936.02	36181.66	35245.64	936.02	36181.66
	Contingancy 3%				1085.45	1057.37	28.08	1085.45
	Labour welfare 4%				1447.27	1409.83	37.44	1447.27
	TOTAL :-		35245.64	936.02	38714.38	37712.84	1001.54	38714.38
	SAY AS TOTAL :-				38714			38714

DAILY WAGES RATE 678.16

Sr. No.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	24752.71	0.00	24752.71	24752.71	0.00	24752.71
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1356.31	25.00	1381.31	1356.31	25.00	1381.31
3	Fire tracing	2.00	1356.31	0.00	1356.31	1356.31	0.00	1356.31
	TOTAL :-	40.50	27465.34	25.00	27490.34	27465.34	25.00	27490.34
	Contingancy 3%				824.71	823.96	0.75	824.71
	Labour welfare 4%				1099.61	1098.61	1.00	1099.61
	TOTAL :-		27465.34	25.00	29414.66	29387.91	26.75	29414.66
	SAY AS TOTAL :-				29415			29415


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Sr. No.		Partifulars of works		DAILY WAGES RATE 745.97				
		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	27227.98	0.00	27227.98	27227.98
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October			2.00	1491.94	25.00	1516.94	1516.94
3	Fire tracing			2.00	1491.94	0.00	1491.94	1491.94
	TOTAL :-			40.50	30211.87	25.00	30236.87	30236.87
	Contingancy 3%						907.11	907.11
	Labour welfare (Medi &water) 4%						1209.47	1209.47
	TOTAL :-				30211.87	25.00	32353.45	32353.45
	SAY AS TOTAL :-						32353	32353

DAILY WAGES RATE		820.57						
Sr. No.	Partifulars 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 plantaion.	36.50	29950.78	0.00	29950.78	29950.78	0.00	29950.78
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1641.14	25.00	1666.14	1641.14	25.00	1666.14
3	Fire tracing	2.00	1641.14	0.00	1641.14	1641.14	0.00	1641.14
	TOTAL :-	40.50	33233.06	25.00	33258.06	33233.06	25.00	33258.06
	Contingancy 3%				997.74	996.99	0.75	997.74
	Labour welfare (Medi &water) 4%				1330.32	1329.32	1.00	1330.32
	TOTAL :-		33233.06	25.00	35586.12	35559.37	26.75	35586.12
	SAY AS TOTAL :-				35586			35586


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DAILY WAGES RATE 902.63

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 plantain,	36.50	32945.86	0.00	32945.86	32945.86	0.00	32945.86
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1805.25	25.00	1830.25	1805.25	25.00	1830.25
3	Fire tracing	2.00	1805.25	0.00	1805.25	1805.25	0.00	1805.25
	TOTAL :-	40.50	36556.36	25.00	36581.36	36556.36	25.00	36581.36
	Contingency 3%				1097.44	1096.69	0.75	1097.44
	Labour welfare (Medi & water) 4%				1463.25	1462.25	1.00	1463.25
	TOTAL :-		36556.36	25.00	39142.06	39115.31	26.75	39142.06
	SAY AS TOTAL :-				39142			39142

DAILY WAGES RATE 992.89

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 plantain,	36.50	36240.44	0.00	36240.44	36240.44	0.00	36240.44
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1985.78	25.00	2010.78	1985.78	25.00	2010.78
3	Fire tracing	2.00	1985.78	0.00	1985.78	1985.78	0.00	1985.78
	TOTAL :-	40.50	40212.00	25.00	40237.00	40212.00	25.00	40237.00
	Contingency 3%				1207.11	1206.36	0.75	1207.11
	Labour welfare (Medi & water) 4%				1609.48	1608.48	1.00	1609.48
	TOTAL :-		40212.00	25.00	43053.59	43026.84	26.75	43053.59
	SAY AS TOTAL :-				43054			43054


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DAILY WAGES RATE 1092.18

Sr. No.	Partifulars 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 plantaiton,	36.50	39864.49	0.00	39864.49	39864.49	0.00	39864.49
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	2184.36	25.00	2209.36	2184.36	25.00	2209.36
3	Fire tracing	2.00	2184.36	0.00	2184.36	2184.36	0.00	2184.36
	TOTAL :-	40.50	44233.20	25.00	44258.20	44233.20	25.00	44258.20
	Contingancy 3%				1327.75	1327.00	0.75	1327.75
	Labour welfare (Medi &water) 4%				1770.33	1769.33	1.00	1770.33
	TOTAL :-		44233.20	25.00	47356.27	47329.52	26.75	47356.27
	SAY AS TOTAL :-				47356			47356

DAILY WAGES RATE 1201.40

Sr. No.	Partifulars 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 plantaiton,	36.50	43850.94	0.00	43850.94	43850.94	0.00	43850.94
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	2402.79	25.00	2427.79	2402.79	25.00	2427.79
3	Fire tracing	2.00	2402.79	0.00	2402.79	2402.79	0.00	2402.79
	TOTAL :-	40.50	48656.52	25.00	48681.52	48656.52	25.00	48681.52
	Contingancy 3%				1460.45	1459.70	0.75	1460.45
	Labour welfare (Medi &water) 4%				1947.26	1946.26	1.00	1947.26
	TOTAL :-		48656.52	25.00	52089.23	52062.48	26.75	52089.23
	SAY AS TOTAL :-				52089			52089

Handwritten Signature
Range Forest Officer
 Panvel

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	77848	193278	290106	83298	206808	290106
2)	First Year Operation	133.41	65459	7175	77718	70041	7677	77718
3)	Second Year Operation	73.48	41413	1719	46151	44312	1839	46151
4)	Third Year Operation	57.17	35246	936	38714	37713	1002	38714
5)	Fourth Year Operation	40.50	27465	25	29415	29388	27	29415
6)	Fifth Year Operation	40.50	30212	25	32353	32327	27	32353
7)	Sixth Year Operation	40.50	33233	25	35586	35559	27	35586
8)	Seventh Year Operation	40.50	36556	25	39142	39115	27	39142
9)	Eighth Year Operation	40.50	40212	25	43054	43027	27	43054
10)	Nineth Year Operation	40.50	44233	25	47356	47330	27	47356
11)	Tenth Year Operation	40.50	48657	25	52089	52062	27	52089
	Total :-	715.63	480534	203283	731685	514172	217513	731685

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Range Forest Officer
Panvel

(Rahul Patil, IFS)
Deputy Conservator of Forest,
Alibag Forest Division, Alibag