

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
 Size of Pits - 0.45 x 0.45 x 0.45 M Plantation Site
 No. of Seedlings - 1100 per ha. Round Vajapur beat- Ambivalli gut no. 45 & Nere cat no. 346
 DAILY WAGES RATE 438.42 Area :- 8.00 Hector

P.P.O + P.Y.O.WORKS

Sr. No.	Particulars of works	MANDAYS	Wages	Material supply	Total	Wages	Material supply	Total
1	(a) Survey & Demarcation	1.00	438.42	91.00	529.42	3507.36	728.00	4235.36
	(b) Preparation of treatment map (100 m x 50 m)	1.00	438.42	91.00	529.42	3507.36	728.00	4235.36
	(c) Digging trial pits of size 0.30X0.30X0.60 in	0.40	175.37	0.00	175.37	1402.94	0.00	1402.94
	(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	1800.00	1800.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	4384.20	91.00	4475.20	35073.60	728.00	35801.60
2	Soil and moisture Conservation work - Including collection of rubbles from areas upto 30 m etc.	31.00	13591.02	0.00	13591.02	108728.16	0.00	108728.16
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	0.00	0.00	430080.00	430080.00	0.00	3440640.00	3440640.00

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 100 pits	2.89	1267.03	91.00	1358.03	10136.27	728.00	10864.27
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	32149.34	0.00	32149.34	257194.71	0.00	257194.71
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	438.42	0.00	438.42	3507.36	0.00	3507.36
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	328.82	25.00	353.82	2630.52	200.00	2830.52
8	Providing and fixing (4 feet x3feet) information board each per site)	0.00	0.00	5000.00	5000.00	0.00	40000.00	40000.00
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	20474.21	4798.80	25273.01	163793.71	38390.40	202184.11
TOTAL :-		168.07	73685.25	440492.80	514178.05	589482.00	3523942.40	4113424.40
Contingency 3%					15425.34	17684.46	105718.27	123402.73
Labour welfare 4%					20567.12	23579.28	140957.70	164536.98
TOTAL :-			73685.25	440492.80	550170.51	630745.73	3770618.37	4401364.10
SAY AS TOTAL :-					550171			4401364


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 अधिकारी

DAILY WAGES RATE 482.26

St. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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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	7137.48	1079.73	8217.21	57099.82	8637.84	65737.66
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	8892.91	1944.25	10837.16	71143.29	15554.00	86697.29
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	901.83	2426.00	3327.83	7214.64	19408.00	26622.64
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	5357.93	0.00	5357.93	42863.45	0.00	42863.45
5	3 seedlings (1 Rmt circular) and 2 soil working (4.00 M.D. per 100 seedlings) fertilizer application	44.44	21431.72	911.02	22342.74	171453.79	7288.16	178741.95
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	2141.24	0.00	2141.24	17129.95	0.00	17129.95
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	3752.00	803.64	4555.64	30015.99	6429.12	36445.11
8	Watch and ward (9 months-1 watcher.)	27.38	13204.33	0.00	13204.33	105634.67	0.00	105634.67
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	554.60	10.00	564.60	4436.81	80.00	4516.81
10	Fire tracing	2.00	964.52	0.00	964.52	7716.19	0.00	7716.19
TOTAL :-		133.41	64338.57	7174.64	71513.21	514708.59	57397.12	572105.71
Contingancy 3%					2145.40	15441.26	1721.91	17163.17
Labour welfare 4%					2860.53	20588.34	2295.88	22884.23
Grand TOTAL :-			64338.57	7174.64	76519.14	550738.19	61414.92	612153.11
SAY AS TOTAL :-					76519			612153

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Particulars of works

530.49

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	1305.00	404.04	1709.04	10440.01	3232.32	13672.33
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	164.45	320.00	484.45	1315.61	2560.00	3875.61
3		Planting for casually replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	2355.37	0.00	2355.37	18842.94	0.00	18842.94
4		2 weeding and 1 soil working, with fertilizer application 2.5 M.D. per 100 seedlings at M.S.Rs. 0.82 per seedling	27.77	14731.66	911.02	15642.68	117853.26	7288.16	125141.42
5		Watch and ward 12 months-1 full time watcher for plantation,	36.50	19362.82	0.00	19362.82	154902.55	0.00	154902.55
6		Fire tracing	2.00	1060.98	0.00	1060.98	8487.81	0.00	8487.81
		Contingancy 3%	73.48	38980.27	1635.06	43458.41	333671.14	13996.11	347667.25
		Labour welfare (Medi & water) 4%							
		TOTAL :-							
		TOTAL :-							
		SAY AS TOTAL :-							

DAILY WAGES RATE 583.54

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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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	9727.56	911.02	10638.58	77820.50	7288.16	85108.66
2	2 Watch and ward 12 months-1 full time watcher for plantain,	36.50	21299.10	0.00	21299.10	170392.81	0.00	170392.81
3	3 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1167.07	0.00	1167.07	9336.59	0.00	9336.59
TOTAL :-		55.17	32193.74	911.02	33104.76	257549.90	7288.16	264838.06
	Contingancy 3%				993.14	7726.50	218.64	7945.14
	Labour welfare 4%				1324.19	10302.00	291.53	10593.52
TOTAL :-			32193.74	911.02	35422.09	275578.39	7798.33	283376.72
SAY AS TOTAL :-					35422			283377

DAILY WAGES RATE 641.89

Sr.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
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Fourth Year Operation

1	1 Watch and ward 12 months-1 full time watcher for	36.50	23429.01	0.00	23429.01	187432.09	0.00	187432.09
2	2 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1283.78	0.00	1283.78	10270.25	0.00	10270.25
3	3 Fire tracing	2.00	1283.78	0.00	1283.78	10270.25	0.00	10270.25
TOTAL :-		40.50	25996.57	0.00	25996.57	207972.59	0.00	207972.59
	Contingancy 3%				779.90	6239.18	0.00	6239.18
	Labour welfare 4%				1039.86	8318.90	0.00	8318.90
TOTAL :-			25996.57	0.00	27816.33	222530.68	0.00	222530.68
SAY AS TOTAL :-					27816			222531

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DAILY WAGES RATE 706.08

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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Fifth Year Operation

1	Watch and ward 12 months-1 full time watcher for plantation,	36.50	25771.91	0.00	25771.91	206175.30	0.00	206175.30
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1412.16	0.00	1412.16	11297.28	0.00	11297.28
3	Fire tracing	2.00	1412.16	0.00	1412.16	11297.28	0.00	11297.28
	TOTAL :-	40.50	28596.23	0.00	28596.23	228769.85	0.00	228769.85
	Contingancy 3%				857.89	6863.10	0.00	6863.10
	Labour welfare (Medi & water) 4%				1143.85	9150.79	0.00	9150.79
	TOTAL :-		28596.23	0.00	30597.97	244783.74	0.00	244783.74
	SAY AS TOTAL :-				30598			244784

DAILY WAGES RATE 776.69

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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Sixth Year Operation

1	Watch and ward 12 months-1 full time watcher for plantation,	36.50	28349.10	0.00	28349.10	226792.83	0.00	226792.83
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	1553.38	0.00	1553.38	12427.00	0.00	12427.00
3	Fire tracing	2.00	1553.38	0.00	1553.38	12427.00	0.00	12427.00
	TOTAL :-	40.50	31455.85	0.00	31455.85	251646.84	0.00	251646.84
	Contingancy 3%				943.68	7549.41	0.00	7549.41
	Labour welfare (Medi & water) 4%				1258.23	10065.87	0.00	10065.87
	TOTAL :-		31455.85	0.00	33657.76	269262.12	0.00	269262.12
	SAY AS TOTAL :-				33658			269262

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Seventh Year Operation

1	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	31184.01	0.00	31184.01	249472.11	0.00	249472.11
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1708.71	0.00	1708.71	13669.70	0.00	13669.70
3	Fire tracing	2.00	1708.71	0.00	1708.71	13669.70	0.00	13669.70
	TOTAL :-	40.50	34601.44	0.00	34601.44	276811.52	0.00	276811.52
	Contingancy 3%				1038.04	8304.35	0.00	8304.35
	Labour welfare (Medi &water) 4%				1384.06	11072.46	0.00	11072.46
	TOTAL :-		34601.44	0.00	37023.54	296188.33	0.00	296188.33
	SAY AS TOTAL :-				37024			296188

939.79

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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Eighth Year Operation

1	Watch and ward 12 months-1 full time watcher for	36.50	34302.42	0.00	34302.42	274419.32	0.00	274419.32
2		2.00	1879.58	0.00	1879.58	15036.68	0.00	15036.68
3	Fire tracing	2.00	1879.58	0.00	1879.58	15036.68	0.00	15036.68
	TOTAL :-	40.50	38061.58	0.00	38061.58	304492.67	0.00	304492.67
	Contingancy 3%				1141.85	9134.78	0.00	9134.78
	Labour welfare (Medi & water) 4%				1522.46	12179.71	0.00	12179.71
	TOTAL :-		38061.58	0.00	40725.90	325807.16	0.00	325807.16
	SAY AS TOTAL :-				40726			325807

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DAILY WAGES RATE 1033.77

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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Nineth Year Operation

1	Watch and ward 12 months-1 full time watcher for plantation.	36.50	37732.66	0.00	37732.66	301861.26	0.00	301861.26
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	2067.54	0.00	2067.54	16540.34	0.00	16540.34
3	Fire tracing	2.00	2067.54	0.00	2067.54	16540.34	0.00	16540.34
	TOTAL :-	40.50	41867.74	0.00	41867.74	334941.94	0.00	334941.94
	Contingancy 3%				1256.03	10048.26	0.00	10048.26
	Labour welfare (Medi & water) 4%				1674.71	13397.68	0.00	13397.68
	TOTAL :-		41867.74	0.00	44798.48	358387.88	0.00	358387.88
	SAY AS TOTAL :-				44798			358388

DAILY WAGES RATE 1137.15

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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Tenth Year Operation

1	Watch and ward 12 months-1 full time watcher for	36.50	41505.92	0.00	41505.92	332047.38	0.00	332047.38
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in	2.00	2274.30	0.00	2274.30	18194.38	0.00	18194.38
3	Fire tracing	2.00	2274.30	0.00	2274.30	18194.38	0.00	18194.38
	TOTAL :-	40.50	46054.52	0.00	46054.52	368436.14	0.00	368436.14
	Contingancy 3%				1381.64	11053.08	0.00	11053.08
	Labour welfare (Medi & water) 4%				1842.18	14737.45	0.00	14737.45
	TOTAL :-		46054.52	0.00	49278.33	394226.67	0.00	394226.67
	SAY AS TOTAL :-				49278			394227

11/11/14

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 :-

8.000 Hecto

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Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	73685	440493	550171	630746	3770618	4401364
2)	First Year Operation	133.41	64339	7175	76519	550738	61415	612153
3)	Second Year Operation	73.48	38980	1635	43458	333671	13996	347667
4)	Third Year Operation	55.17	32194	911	35422	275578	7798	283377
5)	Fourth Year Operation	40.50	25997	0	27816	222531	0	222531
6)	Fifth Year Operation	40.50	28596	0	30598	244784	0	244784
7)	Sixth Year Operation	40.50	31456	0	33658	269262	0	269262
8)	Seventh Year Operation	40.50	34601	0	37024	296188	0	296188
9)	Eighth Year Operation	40.50	38062	0	40726	325807	0	325807
10)	Nineth Year Operation	40.50	41868	0	44798	358388	0	358388
11)	Tenth Year Operation	40.50	46055	0	49278	394227	0	394227
	Total :-	713.63	453332	450214	235468	2901920	3853828	7755748

Range forest officer
Panvel

(ASHISH THAKARE IFS)
Deputy Conservator of Forests
Alibag