

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.

Range Karjat East
Plantation Kashele
Site S.No.23

Area :- 8.00 Hector

DAILY WAGES RATE 356.35

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	356.35	91.00	447.35	2850.80	728.00	3578.80
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	356.35	91.00	447.35	2850.80	728.00	3578.80
	(c) Digging trial pits of size 0.30X0.30X0.60 in corner of Grid.	0.40	142.54	0.00	142.54	1140.32	0.00	1140.32
	(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	3563.50	91.00	3654.50	28508.00	728.00	29236.00
2	Soil and moisture Conservation work - Tinculding collection of rubbles from areas upto 30 m etc.	31.00	11046.85	0.00	11046.85	88374.80	0.00	88374.80

(9)

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 transportation 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 ground level complete as per SSR item No. 1744 for 2017-18) Length 2.00 K.M	0.00	0.00	448000.00	448000.00	0.00	3584000.00	3584000.00
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	1029.85	91.00	1120.85	8238.81	728.00	8966.81
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	26131.15	0.00	26131.15	209049.16	0.00	209049.16
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	356.35	0.00	356.35	2850.80	0.00	2850.80
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	267.26	25.00	292.26	2138.10	200.00	2338.10
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	16641.55	4798.80	21440.35	133132.36	38390.40	171522.76
TOTAL :-		168.07	59891.74	458412.80	518304.54	479133.96	3667302.40	4146436.36
Contingency 3%					15549.14	14374.02	110019.07	124393.09
Labour welfare 4%					20732.18	19165.36	146692.10	165857.45
TOTAL :-			59891.74	458412.80	554585.86	512673.33	3924013.57	4436686.90
SAY AS TOTAL :-					554586			4436687

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DAILY WAGES RATE 391.99

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	40209.84	8637.84	48847.68
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7228.20	1944.25	9172.45	57825.63	15554.00	73379.63
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	1.87	733.01	2426.00	3159.01	5864.10	19408.00	25272.10
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	4354.95	0.00	4354.95	34839.63	0.00	34839.63
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	17419.81	911.02	18330.83	139358.51	7288.16	146646.67
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1740.41	0.00	1740.41	13923.31	0.00	13923.31
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	3049.64	803.64	3853.28	24397.15	6429.12	30826.27
8	Watch and ward (9 months-1 watcher.)	27.38	10732.55	0.00	10732.55	85860.39	0.00	85860.39
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	450.78	10.00	460.78	3606.26	0.00	3606.26
10	Fire tracing	2.00	783.97	0.00	783.97	6271.76	0.00	6271.76
	TOTAL :-	133.41	51519.57	7174.64	58694.21	412156.57	57317.12	469473.69
	Contingency 3%				1760.83	12364.70	1719.51	14084.21
	Labour welfare 4%				2347.77	16486.26	2292.68	18778.95
	Grand TOTAL :-		51519.57	7174.64	62802.81	441007.53	61329.32	502336.84
	SAY AS TOTAL :-				62803			502337

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DAILY WAGES RATE 474.30

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	7906.61	911.02	8817.63	63252.89	7288.16	70541.05
2	2 Watch and ward 12 months-1 full time watcher for plantaion,	36.50	17312.02	0.00	17312.02	138496.14	0.00	138496.14
3	3 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	948.60	0.00	948.60	7588.83	0.00	7588.83
	TOTAL :-	55.17	26167.23	911.02	27078.25	209337.86	7288.16	216626.02
	Contingancy 3%				812.35	6280.14	218.64	6498.78
	Labour welfare 4%				1083.13	8373.51	291.53	8665.04
	TOTAL :-		26167.23	911.02	28973.73	223991.52	7798.33	231789.85
	SAY AS TOTAL :-				28974			231790

DAILY WAGES RATE 521.73

Sr.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	1 Watch and ward 12 months-1 full time watcher for plantaion	36.50	19043.22	0.00	19043.22	152345.75	0.00	152345.75
2	2 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1043.46	0.00	1043.46	8347.71	0.00	8347.71
3	3 Fire tracing	2.00	1043.46	0.00	1043.46	8347.71	0.00	8347.71
	TOTAL :-	40.50	21130.15	0.00	21130.15	169041.18	0.00	169041.18
	Contingancy 3%				633.90	5071.24	0.00	5071.24
	Labour welfare 4%				845.21	6761.65	0.00	6761.65
	TOTAL :-		21130.15	0.00	22609.26	180874.06	0.00	180874.06
	SAY AS TOTAL :-				22609			180874

DAILY WAGES RATE 573.91

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	20947.54	0.00	20947.54	167580.33	0.00	167580.33
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1147.81	0.00	1147.81	9182.48	0.00	9182.48
3	Fire tracing	2.00	1147.81	0.00	1147.81	9182.48	0.00	9182.48
	TOTAL :-	40.50	23243.16	0.00	23243.16	185945.30	0.00	185945.30
	Contingancy 3%				697.29	5578.36	0.00	5578.36
	Labour welfare (Medi &water) 4%				929.73	7437.81	0.00	7437.81
	TOTAL :-				24870.18	198961.47	0.00	198961.47
	SAY AS TOTAL :-				24870			198961

DAILY WAGES RATE 631.30

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 plantaion,	36.50	23042.30	0.00	23042.30	184338.36	0.00	184338.36
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1262.59	0.00	1262.59	10100.73	0.00	10100.73
3	Fire tracing	2.00	1262.59	0.00	1262.59	10100.73	0.00	10100.73
	TOTAL :-	40.50	25567.48	0.00	25567.48	204539.83	0.00	204539.83
	Contingancy 3%				767.02	6136.19	0.00	6136.19
	Labour welfare (Medi &water) 4%				1022.70	8181.59	0.00	8181.59
	TOTAL :-				27357.20	218857.61	0.00	218857.61
	SAY AS TOTAL :-				27357			218858

DAILY WAGES RATE 694.43

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 plantaion,	36.50	25346.52	0.00	25346.52	202772.20	0.00	202772.20
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1388.85	0.00	1388.85	11110.81	0.00	11110.81
3	Fire tracing	2.00	1388.85	0.00	1388.85	11110.81	0.00	11110.81
	TOTAL :-	40.50	28124.23	0.00	28124.23	224993.81	0.00	224993.81
	Contingancy 3%				843.73	6749.81	0.00	6749.81
	Labour welfare (Medi &water) 4%				1124.97	8999.75	0.00	8999.75
	TOTAL :-		28124.23	0.00	30092.92	240743.38	0.00	240743.38
	SAY AS TOTAL :-				30093			240743

DAILY WAGES RATE 763.87

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 plantaion,	36.50	27881.18	0.00	27881.18	223049.42	0.00	223049.42
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1527.74	0.00	1527.74	12221.89	0.00	12221.89
3	Fire tracing	2.00	1527.74	0.00	1527.74	12221.89	0.00	12221.89
	TOTAL :-	40.50	30936.65	0.00	30936.65	247493.19	0.00	247493.19
	Contingancy 3%				928.10	7424.80	0.00	7424.80
	Labour welfare (Medi &water) 4%				1237.47	9899.73	0.00	9899.73
	TOTAL :-		30936.65	0.00	33102.21	264817.71	0.00	264817.71
	SAY AS TOTAL :-				33102			264818

DAILY WAGES RATE 840.25

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 plantaion,	36.50	30669.30	0.00	30669.30	245354.36	0.00	245354.36
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1680.51	0.00	1680.51	13444.07	0.00	13444.07
3	Fire tracing	2.00	1680.51	0.00	1680.51	13444.07	0.00	13444.07
	TOTAL :-	40.50	34030.31	0.00	34030.31	272242.51	0.00	272242.51
	Contingancy 3%				1020.91	8167.28	0.00	8167.28
	Labour welfare (Medi &water) 4%				1361.21	10889.70	0.00	10889.70
	TOTAL :-		34030.31	0.00	36412.44	291299.49	0.00	291299.49
	SAY AS TOTAL :-				36412			291299

DAILY WAGES RATE 924.28

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 plantaion,	36.50	33736.22	0.00	33736.22	269889.80	0.00	269889.80
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1848.56	0.00	1848.56	14788.48	0.00	14788.48
3	Fire tracing	2.00	1848.56	0.00	1848.56	14788.48	0.00	14788.48
	TOTAL :-	40.50	37433.35	0.00	37433.35	299466.76	0.00	299466.76
	Contingancy 3%				1123.00	8984.00	0.00	8984.00
	Labour welfare (Medi &water) 4%				1497.33	11978.67	0.00	11978.67
	TOTAL :-		37433.35	0.00	40053.68	320429.43	0.00	320429.43
	SAY AS TOTAL :-				40054			320429

ALIBAG FOREST DIVISION

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

DAILY WAGES RATE 356.35 + incriseing 10% per year

Area :- 8.000 Hector

Abstact

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	59892	458413	554586	512673	3924014	4436687
2)	First Year Operation	133.41	51520	7175	62803	441008	61329	502337
3)	Second Year Operation	73.48	31954	1635	35940	273524	13996	287520
4)	Third Year Operation	55.17	26167	911	28974	223992	7798	231790
5)	Fourth Year Operation	40.50	21130	0	22609	180874	0	180874
6)	Fifth Year Operation	40.50	23243	0	24870	198961	0	198961
7)	Sixth Year Operation	40.50	25567	0	27357	218858	0	218858
8)	Seventh Year Operation	40.50	28124	0	30093	240743	0	240743
9)	Eighth Year Operation	40.50	30937	0	33102	264818	0	264818
10)	Nineth Year Operation	40.50	34030	0	36412	291299	0	291299
11)	Tenth Year Operation	40.50	37433	0	40054	320429	0	320429
	Total :-	713.63	369998	468134	896800	3167180	4007137	7174317

(Magesh Kumar)
Deputy Conservator of Forest
Alibag

सहायक वनसंरक्षक
(प्रादेशीक व वन्यजीव)
पुनवेल

(111)

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.

Range Karjat East
 Plantation Ganegaon
 Site S.No.37

13.00 Hector

DAILY WAGES RATE 356.35

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	356.35	91.00	447.35	4632.55	1183.00	5815.55
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	356.35	91.00	447.35	4632.55	1183.00	5815.55
	(c) Digging trial pits of size 0.30X0.30X0.60 in corner of Grid.	0.40	142.54	0.00	142.54	1853.02	0.00	1853.02
	(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	2925.00	2925.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	3563.50	91.00	3654.50	46325.50	1183.00	47508.50
2	Soil and moisture Conservation work - Tinculding collection of rubbles from areas upto 30 m etc.	31.00	11046.85	0.00	11046.85	143609.05	0.00	143609.05

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) Length 2.300 K.M	0.00	0.00	343466.66	343466.66	0.00	4121600.00	4121600.00
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	1029.85	91.00	1120.85	13388.07	1183.00	14571.07
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	26131.15	0.00	26131.15	339704.89	0.00	339704.89
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	356.35	0.00	356.35	4632.55	0.00	4632.55
7	Enumeration of all valuable plant species at plantation iste and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants.	0.75	267.26	25.00	292.26	3474.41	325.00	3799.41
8	Providing and fixing (4 feet x3feet) information board each per site)	0.00	0.00	5000.00	5000.00	0.00	65000.00	65000.00
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	16641.55	4798.80	21440.35	216340.09	62384.40	278724.49
	TOTAL :-	168.07	59891.74	353879.46	413771.20	778592.68	4256966.40	5035559.08
	Contingancy 3%				12413.14	23357.78	127708.99	151066.77
	Labour welfare 4%				16550.85	31143.71	170278.66	201422.36
	TOTAL :-		59891.74	353879.46	442735.19	833094.17	4554954.05	5388048.21
	SAY AS TOTAL :-				442735			5388048

DAILY WAGES RATE 391.99

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	65340.99	14036.49	79377.48
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7228.20	1944.25	9172.45	93966.64	25275.25	119241.89
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	1.87	733.01	2426.00	3159.01	9529.16	31538.00	41067.16
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	4354.95	0.00	4354.95	56614.39	0.00	56614.39
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	17419.81	911.02	18330.83	226457.57	11843.26	238300.83
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1740.41	0.00	1740.41	22625.37	0.00	22625.37
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	3049.64	803.64	3853.28	39645.36	10447.32	50092.68
8	Watch and ward (9 months-1 watcher.)	27.38	10732.55	0.00	10732.55	139523.14	0.00	139523.14
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	450.78	10.00	460.78	5860.18	0.00	5860.18
10	Fire tracing	2.00	783.97	0.00	783.97	10191.61	0.00	10191.61
	TOTAL :-	133.41	51519.57	7174.64	58694.21	669754.42	93140.32	762894.74
	Contingency 3%				1760.83	20092.63	2794.21	22886.84
	Labour welfare 4%				2347.77	26790.18	3725.61	30515.79
	Grand TOTAL :-		51519.57	7174.64	62802.81	716637.23	99660.14	816297.37
	SAY AS TOTAL :-				62803			816297

DAILY WAGES RATE 431.18

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	1060.71	404.04	1464.75	13789.25	5252.52	19041.77
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	320.00	724.04	5252.52	4160.00	9412.52
3	Planting for casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	1914.45	0.00	1914.45	24887.91	0.00	24887.91
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	11973.97	911.02	12884.99	155661.56	11843.26	167504.82
5	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	15738.20	0.00	15738.20	204596.57	0.00	204596.57
6	Fire tracing	2.00	862.37	0.00	862.37	11210.77	0.00	11210.77
	TOTAL :-	73.48	31953.74	1635.06	33588.80	415398.58	21255.78	436654.36
	Contingancy 3%				1007.66	12461.96	637.67	13099.63
	Labour welfare (Medi &water) 4%				1343.55	16615.94	850.23	17466.17
	TOTAL :-		31953.74	1635.06	35940.01	444476.48	22743.68	467220.16
	SAY AS TOTAL :-				35940			467220

DAILY WAGES RATE 474.30

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	7906.61	911.02	8817.63	102785.95	11843.26	114629.21
2	2 Watch and ward 12 months-1 full time watcher for plantaion,	36.50	17312.02	0.00	17312.02	225056.23	0.00	225056.23
3	3 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	948.60	0.00	948.60	12331.85	0.00	12331.85
	TOTAL :-	55.17	26167.23	911.02	27078.25	340174.03	11843.26	352017.29
	Contingancy 3%				812.35	10205.22	355.30	10560.52
	Labour welfare 4%				1083.13	13606.96	473.73	14080.69
	TOTAL :-		26167.23	911.02	28973.73	363986.21	12672.29	376658.50
	SAY AS TOTAL :-				28974			376659

DAILY WAGES RATE 521.73

Sr.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	1 Watch and ward 12 months-1 full time watcher for plantaion	36.50	19043.22	0.00	19043.22	247561.85	0.00	247561.85
2	2 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1043.46	0.00	1043.46	13565.03	0.00	13565.03
3	3 Fire tracing	2.00	1043.46	0.00	1043.46	13565.03	0.00	13565.03
	TOTAL :-	40.50	21130.15	0.00	21130.15	274691.92	0.00	274691.92
	Contingancy 3%				633.90	8240.76	0.00	8240.76
	Labour welfare 4%				845.21	10987.68	0.00	10987.68
	TOTAL :-		21130.15	0.00	22609.26	293920.35	0.00	293920.35
	SAY AS TOTAL :-				22609			293920

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DAILY WAGES RATE 573.91

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	20947.54	0.00	20947.54	272318.04	0.00	272318.04
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1147.81	0.00	1147.81	14921.54	0.00	14921.54
3	Fire tracing	2.00	1147.81	0.00	1147.81	14921.54	0.00	14921.54
	Contingancy 3%	40.50	23243.16	0.00	23243.16	302161.11	0.00	302161.11
	Labour welfare (Medi &water) 4%				697.29	9064.83	0.00	9064.83
	TOTAL :-		23243.16	0.00	23243.16	12086.44	0.00	12086.44
	TOTAL :-				24870.18	323312.39	0.00	323312.39
	SAY AS TOTAL :-				24870			323312

DAILY WAGES RATE 631.30

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 plantaion,	36.50	23042.30	0.00	23042.30	299549.84	0.00	299549.84
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1262.59	0.00	1262.59	16413.69	0.00	16413.69
3	Fire tracing	2.00	1262.59	0.00	1262.59	16413.69	0.00	16413.69
	Contingancy 3%	40.50	25567.48	0.00	25567.48	332377.22	0.00	332377.22
	Labour welfare (Medi &water) 4%				767.02	9971.32	0.00	9971.32
	TOTAL :-		25567.48	0.00	25567.48	13295.09	0.00	13295.09
	TOTAL :-				27357.20	355643.62	0.00	355643.62
	SAY AS TOTAL :-				27357			355644

DAILY WAGES RATE 694.43

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 plantaion,	36.50	25346.52	0.00	25346.52	329504.82	0.00	329504.82
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1388.85	0.00	1388.85	18055.06	0.00	18055.06
3	Fire tracing	2.00	1388.85	0.00	1388.85	18055.06	0.00	18055.06
	TOTAL :-	40.50	28124.23	0.00	28124.23	365614.94	0.00	365614.94
	Contingancy 3%				843.73	10968.45	0.00	10968.45
	Labour welfare (Medi &water) 4%				1124.97	14624.60	0.00	14624.60
	TOTAL :-		28124.23	0.00	30092.92	391207.99	0.00	391207.99
	SAY AS TOTAL :-				30093			391208

DAILY WAGES RATE 763.87

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 plantaion,	36.50	27881.18	0.00	27881.18	362455.31	0.00	362455.31
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1527.74	0.00	1527.74	19860.56	0.00	19860.56
3	Fire tracing	2.00	1527.74	0.00	1527.74	19860.56	0.00	19860.56
	TOTAL :-	40.50	30936.65	0.00	30936.65	402176.43	0.00	402176.43
	Contingancy 3%				928.10	12065.29	0.00	12065.29
	Labour welfare (Medi &water) 4%				1237.47	16087.06	0.00	16087.06
	TOTAL :-		30936.65	0.00	33102.21	430328.79	0.00	430328.79
	SAY AS TOTAL :-				33102			430329

DAILY WAGES RATE 840.25

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 plantaion,	36.50	30669.30	0.00	30669.30	398700.84	0.00	398700.84
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1680.51	0.00	1680.51	21846.62	0.00	21846.62
3	Fire tracing	2.00	1680.51	0.00	1680.51	21846.62	0.00	21846.62
	TOTAL :-	40.50	34030.31	0.00	34030.31	442394.08	0.00	442394.08
	Contingancy 3%				1020.91	13271.82	0.00	13271.82
	Labour welfare (Medi &water) 4%				1361.21	17695.76	0.00	17695.76
	TOTAL :-		34030.31	0.00	36412.44	473361.66	0.00	473361.66
	SAY AS TOTAL :-				36412			473362

DAILY WAGES RATE 924.28

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 plantaion,	36.50	33736.22	0.00	33736.22	438570.92	0.00	438570.92
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1848.56	0.00	1848.56	24031.28	0.00	24031.28
3	Fire tracing	2.00	1848.56	0.00	1848.56	24031.28	0.00	24031.28
	TOTAL :-	40.50	37433.35	0.00	37433.35	486633.49	0.00	486633.49
	Contingancy 3%				1123.00	14599.00	0.00	14599.00
	Labour welfare (Medi &water) 4%				1497.33	19465.34	0.00	19465.34
	TOTAL :-		37433.35	0.00	40053.68	520697.83	0.00	520697.83
	SAY AS TOTAL :-				40054			520698

ALIBAG FOREST DIVISION

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

DAILY WAGES RATE 356.35 + incriseing 10% per year

Area :- 13.000 Hector

Abstract

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	59892	353879	442735	833094	4554954	5388048
2)	First Year Operation	133.41	51520	7175	62803	716637	99660	816297
3)	Second Year Operation	73.48	31954	1635	35940	444476	22744	467220
4)	Third Year Operation	55.17	26167	911	28974	363986	12672	376659
5)	Fourth Year Operation	40.50	21130	0	22609	293920	0	293920
6)	Fifth Year Operation	40.50	23243	0	24870	323312	0	323312
7)	Sixth Year Operation	40.50	25567	0	27357	355644	0	355644
8)	Seventh Year Operation	40.50	28124	0	30093	391208	0	391208
9)	Eighth Year Operation	40.50	30937	0	33102	430329	0	430329
10)	Nineth Year Operation	40.50	34030	0	36412	473362	0	473362
11)	Tenth Year Operation	40.50	37433	0	40054	520698	0	520698
	Total :-	713.63	369998	363600	784950	5146667	4690030	9836697

(Mamlesh Kymar)
Deputy Conservator of Forest
Alibag



सहायक वनरक्षक
(प्रादेशीक व वन्यजीव)
पुणे

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 Palaspe
Site S.No.137**

DAILY WAGES RATE 356.35

Area :- 10.0000 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	356.35	91.00	447.35	3563.50	910.00	4473.50
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	356.35	91.00	447.35	3563.50	910.00	4473.50
	(c) Digging trial pits of size 0.30X0.30X0.60 in corner of Grid.	0.40	142.54	0.00	142.54	1425.40	0.00	1425.40
	(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	2250.00	2250.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	3563.50	91.00	3654.50	35635.00	910.00	36545.00
2	Soil and moisture Conservation work - Tincluding collection of rubbles from areas upto 30 m etc.	31.00	11046.85	0.00	11046.85	110468.50	0.00	110468.50

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)	0.00	0.00	483840.00	483840.00	0.00	4838400.00	4838400.00
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	1029.85	91.00	1120.85	10298.52	910.00	11208.52
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	26131.15	0.00	26131.15	261311.46	0.00	261311.46
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	356.35	0.00	356.35	3563.50	0.00	3563.50
7	Enumeration of all valuable plant species at plantation iste and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants.	0.75	267.26	25.00	292.26	2672.63	250.00	2922.63
8	Providing and fixing (4 feet x3feet) information board each per site)	0.00	0.00	5000.00	5000.00	0.00	50000.00	50000.00
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	16641.55	4798.80	21440.35	166415.45	47988.00	214403.45
TOTAL :-		168.07	59891.74	494252.80	554144.54	598917.45	4942528.00	5541445.45
Contingancy 3%					16624.34	17967.52	148275.84	166243.36
Labour welfare 4%					22165.78	23956.70	197701.12	221657.82
TOTAL :-			59891.74	494252.80	592934.66	640841.67	5288504.96	5929346.63
SAY AS TOTAL :-					592935			5929347

DAILY WAGES RATE 391.99

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	50262.30	10797.30	61059.60
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7228.20	1944.25	9172.45	72282.03	19442.50	91724.53
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	1.87	733.01	2426.00	3159.01	7330.12	24260.00	31590.12
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	4354.95	0.00	4354.95	43549.53	0.00	43549.53
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	17419.81	911.02	18330.83	174198.13	9110.20	183308.33
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1740.41	0.00	1740.41	17404.13	0.00	17404.13
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	3049.64	803.64	3853.28	30496.43	8036.40	38532.83
8	Watch and ward (9 months-1 watcher.)	27.38	10732.55	0.00	10732.55	107325.49	0.00	107325.49
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	450.78	10.00	460.78	4507.83	0.00	4507.83
10	Fire tracing	2.00	783.97	0.00	783.97	7839.70	0.00	7839.70
	TOTAL :-	133.41	51519.57	7174.64	58694.21	515195.71	71646.40	586842.11
	Contingency 3%				1760.83	15455.87	2149.39	17605.26
	Labour welfare 4%				2347.77	20607.83	2865.86	23473.68
	Grand TOTAL :-		51519.57	7174.64	62802.81	551259.41	76661.65	627921.06
	SAY AS TOTAL :-				62803			627921

DAILY WAGES RATE 431.18

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	1060.71	404.04	1464.75	10607.11	4040.40	14647.51
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	320.00	724.04	4040.40	3200.00	7240.40
3	Planting for casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	1914.45	0.00	1914.45	19144.55	0.00	19144.55
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	11973.97	911.02	12884.99	119739.66	9110.20	128849.86
5	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	15738.20	0.00	15738.20	157381.98	0.00	157381.98
6	Fire tracing	2.00	862.37	0.00	862.37	8623.67	0.00	8623.67
	TOTAL :-	73.48	31953.74	1635.06	33588.80	319537.37	16350.60	335887.97
	Contingancy 3%				1007.66	9586.12	490.52	10076.64
	Labour welfare (Medi &water) 4%				1343.55	12781.49	654.02	13435.52
	TOTAL :-		31953.74	1635.06	35940.01	341904.98	17495.14	359400.12
	SAY AS TOTAL :-				35940			359400

DAILY WAGES RATE 474.30

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	7906.61	911.02	8817.63	79066.12	9110.20	88176.32
2	2 Watch and ward 12 months-1 full time watcher for plantain,	36.50	17312.02	0.00	17312.02	173120.18	0.00	173120.18
3	3 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	948.60	0.00	948.60	9486.04	0.00	9486.04
	TOTAL :-	55.17	26167.23	911.02	27078.25	261672.33	9110.20	270782.53
	Contingancy 3%				812.35	7850.17	273.31	8123.48
	Labour welfare 4%				1083.13	10466.89	364.41	10831.30
	TOTAL :-		26167.23	911.02	28973.73	279989.39	9747.91	289737.31
	SAY AS TOTAL :-				28974			289737

DAILY WAGES RATE 521.73

Sr. No.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	1 Watch and ward 12 months-1 full time watcher for plantain	36.50	19043.22	0.00	19043.22	190432.19	0.00	190432.19
2	2 Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1043.46	0.00	1043.46	10434.64	0.00	10434.64
3	3 Fire tracing	2.00	1043.46	0.00	1043.46	10434.64	0.00	10434.64
	TOTAL :-	40.50	21130.15	0.00	21130.15	211301.47	0.00	211301.47
	Contingancy 3%				633.90	6339.04	0.00	6339.04
	Labour welfare 4%				845.21	8452.06	0.00	8452.06
	TOTAL :-		21130.15	0.00	22609.26	226092.58	0.00	226092.58
	SAY AS TOTAL :-				22609			226093

DAILY WAGES RATE 573.91

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	20947.54	0.00	20947.54	209475.41	0.00	209475.41
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1147.81	0.00	1147.81	11478.10	0.00	11478.10
3	Fire tracing	2.00	1147.81	0.00	1147.81	11478.10	0.00	11478.10
	TOTAL :-	40.50	23243.16	0.00	23243.16	232431.62	0.00	232431.62
	Contingancy 3%				697.29	6972.95	0.00	6972.95
	Labour welfare (Medi &water) 4%				929.73	9297.26	0.00	9297.26
	TOTAL :-		23243.16	0.00	24870.18	248701.84	0.00	248701.84
	SAY AS TOTAL :-				24870			248702

DAILY WAGES RATE 631.30

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 plantaion,	36.50	23042.30	0.00	23042.30	230422.95	0.00	230422.95
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1262.59	0.00	1262.59	12625.92	0.00	12625.92
3	Fire tracing	2.00	1262.59	0.00	1262.59	12625.92	0.00	12625.92
	TOTAL :-	40.50	25567.48	0.00	25567.48	255674.78	0.00	255674.78
	Contingancy 3%				767.02	7670.24	0.00	7670.24
	Labour welfare (Medi &water) 4%				1022.70	10226.99	0.00	10226.99
	TOTAL :-		25567.48	0.00	27357.20	273572.02	0.00	273572.02
	SAY AS TOTAL :-				27357			273572

DAILY WAGES RATE 694.43

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 plantaion,	36.50	25346.52	0.00	25346.52	253465.25	0.00	253465.25
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1388.85	0.00	1388.85	13888.51	0.00	13888.51
3	Fire tracing	2.00	1388.85	0.00	1388.85	13888.51	0.00	13888.51
	TOTAL :-	40.50	28124.23	0.00	28124.23	281242.26	0.00	281242.26
	Contingancy 3%				843.73	8437.27	0.00	8437.27
	Labour welfare (Medi &water) 4%				1124.97	11249.69	0.00	11249.69
	TOTAL :-		28124.23	0.00	30092.92	300929.22	0.00	300929.22
	SAY AS TOTAL :-				30093			300929

DAILY WAGES RATE 763.87

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 plantaion,	36.50	27881.18	0.00	27881.18	278811.77	0.00	278811.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1527.74	0.00	1527.74	15277.36	0.00	15277.36
3	Fire tracing	2.00	1527.74	0.00	1527.74	15277.36	0.00	15277.36
	TOTAL :-	40.50	30936.65	0.00	30936.65	309366.49	0.00	309366.49
	Contingancy 3%				928.10	9280.99	0.00	9280.99
	Labour welfare (Medi &water) 4%				1237.47	12374.66	0.00	12374.66
	TOTAL :-		30936.65	0.00	33102.21	331022.14	0.00	331022.14
	SAY AS TOTAL :-				33102			331022

DAILY WAGES RATE 840.25

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 plantaiton,	36.50	30669.30	0.00	30669.30	306692.95	0.00	306692.95
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1680.51	0.00	1680.51	16805.09	0.00	16805.09
3	Fire tracing	2.00	1680.51	0.00	1680.51	16805.09	0.00	16805.09
	TOTAL :-	40.50	34030.31	0.00	34030.31	340303.14	0.00	340303.14
	Contingancy 3%				1020.91	10209.09	0.00	10209.09
	Labour welfare (Medi &water) 4%				1361.21	13612.13	0.00	13612.13
	TOTAL :-		34030.31	0.00	36412.44	364124.36	0.00	364124.36
	SAY AS TOTAL :-				36412			364124

DAILY WAGES RATE 924.28

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 plantaiton,	36.50	33736.22	0.00	33736.22	337362.25	0.00	337362.25
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1848.56	0.00	1848.56	18485.60	0.00	18485.60
3	Fire tracing	2.00	1848.56	0.00	1848.56	18485.60	0.00	18485.60
	TOTAL :-	40.50	37433.35	0.00	37433.35	374333.45	0.00	374333.45
	Contingancy 3%				1123.00	11230.00	0.00	11230.00
	Labour welfare (Medi &water) 4%				1497.33	14973.34	0.00	14973.34
	TOTAL :-		37433.35	0.00	40053.68	400536.79	0.00	400536.79
	SAY AS TOTAL :-				40054			400537

ALIBAG FOREST DIVISION

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

DAILY WAGES RATE 356.35 + incriseing 10% per year

Area :-

15.000 Hector

Abstact

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	59892	440493	535411	961262	7069909	8031172
2)	First Year Operation	133.41	51520	7175	62803	826889	114992	941882
3)	Second Year Operation	73.48	31954	1635	35940	512857	26243	539100
4)	Third Year Operation	55.17	26167	911	28974	419984	14622	434606
5)	Fourth Year Operation	40.50	21130	0	22609	339139	0	339139
6)	Fifth Year Operation	40.50	23243	0	24870	373053	0	373053
7)	Sixth Year Operation	40.50	25567	0	27357	410358	0	410358
8)	Seventh Year Operation	40.50	28124	0	30093	451394	0	451394
9)	Eighth Year Operation	40.50	30937	0	33102	496533	0	496533
10)	Nineth Year Operation	40.50	34030	0	36412	546187	0	546187
11)	Tenth Year Operation	40.50	37433	0	40054	600805	0	600805
	Total :-	713.63	369998	450214	877626	5938462	7225766	13164228

(Signature)
परिषद् वन अधिकारी
पनवेल

सहायक वनसंरक्षक
(प्रादेशीक व वन्यजीव)
पनवेल

(Signature)
Deputy Conservator of Forest
Alibag

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.

Range Panvel
Plantation Morbe
Site S.No.62,65

DAILY WAGES RATE 356.35

Area :- 15.00 Hector

Sr. No.	Particulars of works	356.35			Area :- 15.00 Hector			
		Mandays	Wages	Material supply	Total	Wages	Material supply	Total
P.P.O + P.Y.O.WORKS								
1	(a) Survey & Demarcation	1.00	356.35	91.00	447.35	5345.25	1365.00	6710.25
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	356.35	91.00	447.35	5345.25	1365.00	6710.25
	(c) Digging trial pits of size 0.30X0.30X0.60 in corner of Grid.	0.40	142.54	0.00	142.54	2138.10	0.00	2138.10
	(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	3375.00	3375.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	3563.50	91.00	3654.50	53452.50	1365.00	54817.50
2	Soil and moisture Conservation work - TIncluding collection of rubbles from areas upto	31.00	11046.85	0.00	11046.85	165702.75	0.00	165702.75

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	430080.00	430080.00	0.00	6451200.00	6451200.00
4	Alignment of pits at 3.0m x 3.0m spacement. 1111pits per ha) 100 pits 0.26 M.D. M&S 8.18 per 100 pits	2.89	1029.85	91.00	1120.85	15447.77	1365.00	16812.77
5	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	26131.15	0.00	26131.15	391967.18	0.00	391967.18
6	Construction of 5.00 Rmt wide inspection Path I.M.D. per 10 Rmt.	1.00	356.35	0.00	356.35	5345.25	0.00	5345.25
7	Enumeration of all valuable plant species at plantation iste and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants.	0.75	267.26	25.00	292.26	4008.94	375.00	4383.94
8	Providing and fixing (4 feet x3feet) information board each per site)	0.00	0.00	5000.00	5000.00	0.00	75000.00	75000.00
9	Part Nursery cost for raising of 1333 seedlings per ha. (ncluding 20% casualty replacement) in polybag of size12.50cmx25.00cm (Wage Rs.11.90 +M.S. Rs. 3.62 per plant)	46.70	16641.55	4798.80	21440.35	249623.18	71982.00	321605.18
	TOTAL :-	168.07	59891.74	440492.80	500384.54	898376.17	6607392.00	7505768.17
	Contingancy 3%				15011.54	26951.29	198221.76	225173.05
	Labour welfare 4%				20015.38	35935.05	264295.68	300230.73
	TOTAL :-		59891.74	440492.80	535411.46	961262.50	7069909.44	8031171.94
	SAY AS TOTAL :-				535411			8031172

DAILY WAGES RATE 391.99

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	75393.45	16195.95	91589.40
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7228.20	1944.25	9172.45	108423.05	29163.75	137586.80
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	1.87	733.01	2426.00	3159.01	10995.18	36390.00	47385.18
4	Planting of 1111 seedlings (1.0 M.D. per 100	11.11	4354.95	0.00	4354.95	65324.30	0.00	65324.30
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	17419.81	911.02	18330.83	261297.20	13665.30	274962.50
6	Casualty replacement (20X 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1740.41	0.00	1740.41	26106.20	0.00	26106.20
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	3049.64	803.64	3853.28	45744.65	12054.60	57799.25
8	Watch and ward (9 months-1 watcher.)	27.38	10732.55	0.00	10732.55	160988.24	0.00	160988.24
9	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	450.78	10.00	460.78	6761.74	0.00	6761.74
10	Fire tracing	2.00	783.97	0.00	783.97	11759.55	0.00	11759.55
	TOTAL :-	133.41	51519.57	7174.64	58694.21	772793.56	107469.60	880263.16
	Contingency 3%				1760.83	23183.81	3224.09	26407.89
	Labour welfare 4%				2347.77	30911.74	4298.78	35210.53
	Grand TOTAL :-		51519.57	7174.64	62802.81	826889.11	114992.47	941881.58

SAY AS TOTAL :-	62803	941882
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DAILY WAGES RATE 431.18

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	1060.71	404.04	1464.75	15910.67	6060.60	21971.27
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	320.00	724.04	6060.60	4800.00	10860.60
3	Planting for casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	1914.45	0.00	1914.45	28716.82	0.00	28716.82
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	11973.97	911.02	12884.99	179609.49	13665.30	193274.79
5	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	15738.20	0.00	15738.20	236072.97	0.00	236072.97
6	Fire tracing	2.00	862.37	0.00	862.37	12935.51	0.00	12935.51
	TOTAL :-	73.48	31953.74	1635.06	33588.80	479306.05	24525.90	503831.95
	Contingancy 3%				1007.66	14379.18	735.78	15114.96
	Labour welfare (Medi &water) 4%				1343.55	19172.24	981.04	20153.28
	TOTAL :-		31953.74	1635.06	35940.01	512857.47	26242.71	539100.19
	SAY AS TOTAL :-				35940			539100

DAILY WAGES RATE 474.30

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	7906.61	911.02	8817.63	118599.18	13665.30	132264.48
2	Watch and ward 12 months-1 full time watcher for plantaion,	36.50	17312.02	0.00	17312.02	259680.26	0.00	259680.26
3	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	948.60	0.00	948.60	14229.06	0.00	14229.06
	TOTAL :-	55.17	26167.23	911.02	27078.25	392508.50	13665.30	406173.80
	Contingancy 3%				812.35	11775.25	409.96	12185.21
	Labour welfare 4%				1083.13	15700.34	546.61	16246.95
	TOTAL :-		26167.23	911.02	28973.73	419984.09	14621.87	434605.96
	SAY AS TOTAL :-				28974			434606

DAILY WAGES RATE 521.73

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 plantaion	36.50	19043.22	0.00	19043.22	285648.29	0.00	285648.29
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1043.46	0.00	1043.46	15651.96	0.00	15651.96
3	Fire tracing	2.00	1043.46	0.00	1043.46	15651.96	0.00	15651.96
	TOTAL :-	40.50	21130.15	0.00	21130.15	316952.21	0.00	316952.21
	Contingancy 3%				633.90	9508.57	0.00	9508.57
	Labour welfare 4%				845.21	12678.09	0.00	12678.09
	TOTAL :-		21130.15	0.00	22609.26	339138.87	0.00	339138.87

SAY AS TOTAL :-				22609	339139
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DAILY WAGES RATE 573.91

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	20947.54	0.00	20947.54	314213.12	0.00	314213.12
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1147.81	0.00	1147.81	17217.16	0.00	17217.16
3	Fire tracing	2.00	1147.81	0.00	1147.81	17217.16	0.00	17217.16
	TOTAL :-	40.50	23243.16	0.00	23243.16	348647.43	0.00	348647.43
	Contingancy 3%				697.29	10459.42	0.00	10459.42
	Labour welfare (Medi &water) 4%				929.73	13945.90	0.00	13945.90
	TOTAL :-		23243.16	0.00	24870.18	373052.75	0.00	373052.75
	SAY AS TOTAL :-				24870			373053

DAILY WAGES RATE 631.30

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 plantaion,	36.50	23042.30	0.00	23042.30	345634.43	0.00	345634.43
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1262.59	0.00	1262.59	18938.87	0.00	18938.87
3	Fire tracing	2.00	1262.59	0.00	1262.59	18938.87	0.00	18938.87
	TOTAL :-	40.50	25567.48	0.00	25567.48	383512.18	0.00	383512.18
	Contingancy 3%				767.02	11505.37	0.00	11505.37

TOTAL :-		40.50	30936.65	0.00	30936.65	464049.73	0.00	464049.73
	Contingancy 3%				928.10	13921.49	0.00	13921.49
	Labour welfare (Medi & water) 4%				1237.47	18561.99	0.00	18561.99
TOTAL :-			30936.65	0.00	33102.21	496533.21	0.00	496533.21
SAY AS TOTAL :-					33102			496533

DAILY WAGES RATE 840.25

Sr. No.	Partifulars 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 plantaion,	36.50	30669.30	0.00	30669.30	460039.43	0.00	460039.43
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1680.51	0.00	1680.51	25207.64	0.00	25207.64
3	Fire tracing	2.00	1680.51	0.00	1680.51	25207.64	0.00	25207.64
TOTAL :-		40.50	34030.31	0.00	34030.31	510454.71	0.00	510454.71
	Contingancy 3%				1020.91	15313.64	0.00	15313.64
	Labour welfare (Medi & water) 4%				1361.21	20418.19	0.00	20418.19
TOTAL :-			34030.31	0.00	36412.44	546186.54	0.00	546186.54
SAY AS TOTAL :-					36412			546187

DAILY WAGES RATE 924.28

Sr. No.	Partifulars 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 plantaion,	36.50	33736.22	0.00	33736.22	506043.37	0.00	506043.37
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2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October	2.00	1848.56	0.00	1848.56	27728.40	0.00	27728.40
3	Fire tracing	2.00	1848.56	0.00	1848.56	27728.40	0.00	27728.40
	TOTAL :-	40.50	37433.35	0.00	37433.35	561500.18	0.00	561500.18
	Contingency 3%				1123.00	16845.01	0.00	16845.01
	Labour welfare (Medi & water) 4%				1497.33	22460.01	0.00	22460.01
	TOTAL :-		37433.35	0.00	40053.68	600805.19	0.00	600805.19
	SAY AS TOTAL :-				40054			600805

सहाय्यक वनसंरक्षक
(प्रादेशीक व वन्यजीव)
पनवल

ALIBAG FOREST DIVISION

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

DAILY WAGES RATE 356.35 + incriseing 10% per year

Area :- 10.000 Hector

Abstact

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	168.07	59892	494253	592935	640842	5288505	5929347
2)	First Year Operation	133.41	51520	7175	62803	551259	76662	627921
3)	Second Year Operation	73.48	31954	1635	35940	341905	17495	359400
4)	Third Year Operation	55.17	26167	911	28974	279989	9748	289737
5)	Fourth Year Operation	40.50	21130	0	22609	226093	0	226093
6)	Fifth Year Operation	40.50	23243	0	24870	248702	0	248702
7)	Sixth Year Operation	40.50	25567	0	27357	273572	0	273572
8)	Seventh Year Operation	40.50	28124	0	30093	300929	0	300929
9)	Eighth Year Operation	40.50	30937	0	33102	331022	0	331022
10)	Nineth Year Operation	40.50	34030	0	36412	364124	0	364124
11)	Tenth Year Operation	40.50	37433	0	40054	400537	0	400537
	Total :-	713.63	369998	503974	935149	3958974	5392410	9351384

परिषद वन अधिकारी
वनवेला

(Mamlesh Kumar)
Deputy Conservator of Forest
Alibag

सहायक वनारक्षक
(प्रादेशीक व वन्यजीव)
पनवेल