

Model Rate Structure for Compensatory Afforestation Model No. 5
 Model rate structure of intensive irrigated plantation on degraded areas with 18 month old seedling (Voluntarily accepted by user)
 Range :- Alibag Village :- Kavir P.F.G.No. 143

Spacement - 4.00 m x 4.00m

Size of Pits - 0.60x 0.60 x 0.60 m

Round : Kavir Beat : Kavir

No of Seedling - 625 per ha.

DAILY WAGES RATE 300.50

Area :- 1.7756 Hecor

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total (Rs. Per Ha.)	Wages	Material supply	Total
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P.P.O + P.Y.O.WORKS

1	A) Survey & Demarcation	1.00	300.50	50.00	350.50	533.57	88.78	622.35
	B) Preparation of treatment map (100m x 50 m grid)	1.00	300.50	50.00	350.50	533.57	88.78	622.35
	C) Clearing of bushes and preparation of site (As per requirement)	10.00	3005.00	50.00	3055.00	5335.68	88.78	5424.46
2	Soil and moisture Conservation work - including collection of rubbles from areas upto 30m etc	31.00	9315.50	0.00	9315.50	16540.60	0.00	16540.60
3	Providing chain link fencing around plantation area. 102 rmt per ha. Rs 2100/- per rmt.	170.00	51085.00	171496.00	222581.00	90706.53	304508.30	395214.82
4	Alignment of pitsat 5m x5m spacement. 625 pits per Ha. (0.13 M.D. per 50 pits) M&S @Rs. 2.247 per 50 pits	1.62	486.81	28.00	514.81	864.38	49.72	914.10
5	Digging of pits size 0.60x0.60 (625 pits per ha.) 36.26 MD per 100 pits)	207.88	62467.94	0.00	62467.94	110918.07	0.00	110918.07
	TOTAL :-	422.50	126961.25	171674.00	298635.25	225432.40	304824.35	530256.75
6	Contingancy 3%		3808.84	5150.22	8959.06	6762.97	9144.73	15907.70
7	Labour welfare (Medi &water) 4%		5078.45	6866.96	11945.41	9017.30	12192.97	21210.27
	TOTAL :-	422.50	135848.54	183691.18	319539.72	241212.66	326162.06	567374.72
	SAY AS TOTAL :-							567375

DAILY WAGES RATE 330.55

(35)

Sr. No.		Particulars of works		Mandays		Wages		Material supply		Total		Wages		Material supply		Total	
First Year Operation																	
1	Purchase of selected seedlings 687 seedlings per ha (50% fruit bearing species) Rs. 50 per seedlings			0.00	0.00	34350.00	34350.00	0.00	60991.86	60991.86							
2	Refilling of pits by good quality soil (2.5 M.d. per 50 pits) a) 30% soil replacement 40.50 cum per ha Rs. 300/- per cum. B) Filling 10% farm yard manure 13.50 cum per ha. Rs. 700/- per cum.			31.25	10329.69	21600.00	31929.69	18341.39	38352.96	56694.35							
3	Transport of seedlings from nursery to plantatin site (including loading & unloading) Wages 1.00 md per 55 seedlings and M & S Rs. 300/- per 55 seedlings			12.49	4128.57	3747.00	7875.57	7330.69	6653.17	13983.86							
4	Planting of seedlings 625 seedlings (2.01 M.D. per 50 seedlings)			25.13	8306.72	0.00	8306.72	14749.41	0.00	14749.41							
5	Planting for 10% casualty replacement (2.00 M.D. per 100 seedlings)			1.26	416.49	0.00	416.49	739.52	0.00	739.52							
6	3 weedings and 2 soil workings (3.40 M.D. per 50 seedlings) fertilizer application Rs. 0.45 per seedling			42.50	14048.38	281.00	14329.38	24944.29	498.94	25443.24							
7	Watering the plants 4 times from oct to march (20 litre per 100 plants (As per Govt. Resolution EGS 28 dt. 9/11/2009)			30.88	10207.38	0.00	10207.38	18124.23	0.00	18124.23							
8	Water supply to plantation site by tanker and material supply as tanks, pipes etc.			0.00	0.00	10000.00	10000.00	0.00	17756.00	17756.00							
9	Watch and ward (10 months-1 watcher per 10 ha.)			30.00	9916.50	0.00	9916.50	17607.74	0.00	17607.74							
10	Fire Tracing			2.00	661.10	0.00	661.10	1173.85	0.00	1173.85							
11	Special technical works			0.00	0.00	0.00	7091.00	0.00	0.00	12590.78							
TOTAL :-				175.51	58014.83	69978.00	135083.83	103011.13	124252.94	239854.85							
Contingancy 3%					1740.44	2099.34	4052.51	3090.33	3727.59	7195.65							
Labour welfare (Medi &water) 4%					2320.59	2799.12	5403.35	4120.45	4970.12	9594.19							
TOTAL :-				175.51	62075.87	74876.46	144539.70	110221.91	132950.64	256644.69							
SAY AS TOTAL :-										256645							

DAILY WAGES RATE

363.61

Sr. No.	Particulars of works	Second Year						
		Operation	Mandays	Wages	Material supply	Total	Wages	Material supply
1	3 weedings and soil workings (3.40 M.D. per 50 plants) fertilizer application Rs. 0.45 per plant.	42.50	15453.43	281.00	12149.98	27439.10	498.94	27938.05
2	Watering the plants 5 times (20 litre per 100 plants) As per Govt. Resolution EGS 28 dt. 9/11/2009	38.50	13998.99	0.00	10751.90	24856.60	0.00	24856.60
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc	0.00	0.00	10000.00	10000.00	0.00	17756.00	17756.00
4	Fire tracing	2.00	727.22	0.00	558.54	1291.25	0.00	1291.25
5	Special Technical assistance	0.00	0.00	0.00	7091.00	0.00	0.00	12590.78
	TOTAL :-	83.00	30179.63	10281.00	40551.41	53586.95	18254.94	84432.67
	Contingency 3%		905.39	308.43	1216.54	1607.61	547.65	2532.98
	Labour welfare (Medi &water) 4%		1207.19	411.24	1622.06	2143.48	730.20	3377.31
	TOTAL :-	83.00	32292.20	11000.67	43390.01	57338.04	19532.79	90342.96
	SAY AS TOTAL :-				43390			90343

Daily Wage Rate :

399.97

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Third Year Operation								
1	3 seedlings and soil workings (3.40 M.D. per 50 plants) fertilizer application Rs. 0.45 per plant.	42.50	16998.73	281.00	17279.73	30182.94	498.94	30681.88
2	Watering the plants 5 times (20 litre per 100 plants) As per Govt. Resolution EGS 28 dt. 9/11/2009	15.38	6151.54	0.00	6151.54	10922.67	0.00	10922.67
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc	0.00	0.00	10000.00	10000.00	0.00	17756.00	17756.00
4	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	14598.91	0.00	14598.91	25921.82	0.00	25921.82
5	Fire tracing	2.00	799.94	0.00	799.94	1420.37	0.00	1420.37
	TOTAL :-	96.38	38549.11	10281.00	48830.11	68447.80	18254.94	86702.74
	Contingency 3%		1156.47	308.43	1464.90	2053.43	547.65	2601.08
	Labour welfare (Medi &water) 4%		1541.96	411.24	1953.20	2737.91	730.20	3468.11
	TOTAL :-	96.38	41247.55	11000.67	52248.22	73239.14	19532.79	92771.93
	SAY AS TOTAL :-							92772

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Daily Wage Rate :

439.97

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

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	16058.91	0.00	16058.91	28514.19	0.00	28514.19
2	Fire tracing (3m wide cutting and burning)	2.00	879.94	0.00	879.94	1562.42	0.00	1562.42
	TOTAL :-	38.50	16938.85	0.00	16938.85	30076.61	0.00	30076.61
	Contingancy 3%		508.17	0.00	508.17	902.30	0.00	902.30
	Labour welfare (Medi &water) 4%		677.55	0.00	677.55	1203.06	0.00	1203.06
	TOTAL :-	38.50	18124.56	0.00	18124.56	32181.98	0.00	32181.98
	SAY AS TOTAL :-							32182

Daily Wage Rate :

483.97

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 watcher per 10.00 ha.	36.50	17664.91	0.00	17664.91	31365.81	0.00	31365.81
2	Fire tracing (3m wide cutting and burning)	2.00	967.94	0.00	967.94	1718.67	0.00	1718.67
	TOTAL :-	38.50	18632.85	0.00	18632.85	33084.48	0.00	33084.48
	Contingancy 3%		558.99	0.00	558.99	992.53	0.00	992.53
	Labour welfare (Medi &water) 4%		745.31	0.00	745.31	1323.38	0.00	1323.38
	TOTAL :-	38.50	19937.14	0.00	19937.14	35400.39	0.00	35400.39
	SAY AS TOTAL :-							35400

Daily Wage Rate :

532.37

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

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	19431.51	0.00	19431.51	34502.58	0.00	34502.58
2	Fire tracing (3m wide cutting and burning)	2.00	1064.74	0.00	1064.74	1890.55	0.00	1890.55
	TOTAL :-	38.50	20496.25	0.00	20496.25	36393.13	0.00	36393.13
	Contingancy 3%		614.89	0.00	614.89	1091.79	0.00	1091.79
	Labour welfare (Medi &water) 4%		819.85	0.00	819.85	1455.73	0.00	1455.73
	TOTAL :-	38.50	21930.98	0.00	21930.98	38940.65	0.00	38940.65
	SAY AS TOTAL :-				11505			38941

Daily Wage Rate :

585.61

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

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	21374.77	0.00	21374.77	37953.03	0.00	37953.03
2	Fire tracing (3m wide cutting and burning)	2.00	1171.22	0.00	1171.22	2079.62	0.00	2079.62
TOTAL :-		38.50	22545.99	0.00	22545.99	40032.65	0.00	40032.65
	Contingency 3%		676.38	0.00	676.38	1200.98	0.00	1200.98
	Labour welfare (Medi & water) 4%		901.84	0.00	901.84	1601.31	0.00	1601.31
TOTAL :-		38.50	24124.20	0.00	24124.20	42834.94	0.00	42834.94
SAY AS TOTAL :-								42835

ALIBAG FOREST DIVISION
RATE STRUCTURE FOR COMPENSTORY AFFORESTATION ON WORKS IN ZONE II & III HEAVY RAIN FALL AREA (625 PLANTS/Ha.)

Abstract

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	422.50	135848.54	183691.18	309942.17	241212.66	326162.06	567374.72
2)	First Year Operation	175.51	62075.87	74876.46	144539.70	110221.91	132950.64	256644.69
3)	Second Year Operation	83.00	32292.20	11000.67	43390.01	57338.04	19532.79	90342.96
4)	Third Year Operation	96.38	41247.55	11000.67	52248.22	73239.14	19532.79	92771.93
5)	Fourth Year Operation	38.50	18124.56	0.00	18124.56	32181.98	0.00	32181.98
6)	Fifth Year Operation	38.50	19937.14	0.00	19937.14			35400.39
7)	Sixth Year Operation	38.50	21930.98	0.00	21930.98	38940.65	0.00	38940.65
8)	Seventh Year Operation	38.50	24124.20	0.00	24124.20	42834.94	0.00	42834.94
Total :-			355581.05	280568.98	634237	595969.32	498178.28	1156492

Range Forest Officer, Assistant Conservator of Forest
 Alibag (Protection) (F.L.C.S. & Camp) Alibag

(JAYOTI BANERJEE)
 Deputy Conservator of Forests,
 Alibag