

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 :- Allbag

Village :- Kavir

P.F.G.No. 143

Speciment - 4.00 m x 4.00m

Size of Pits - 0.60x 0.60 x0.60 m

Round : Kavir Beat : Kavir

No of Seedling - 625 per ha.

Sr. No.		Particulars of works	DAILY WAGES RATE			300.50	Area :-			1.0000 Hectar
			Mandays	Wages	Material supply	Total (Rs. Per Ha.)	Wages	Material supply	Total	
P.P.O + P.Y.O.WORKS										
1	A) Survey & Demarcation		1.00	300.50	50.00	350.50	300.50	50.00	350.50	
	B) Preparation of treatment map (100m x 50 m grid)		1.00	300.50	50.00	350.50	300.50	50.00	350.50	
	C) Clearing of bushes and preparation of site (As per requirement)		10.00	3005.00	50.00	3055.00	3005.00	50.00	3055.00	
2	Soil and moisture Conservation work - including collection of rubbles from areas upto 30m etc		31.00	9315.50	0.00	9315.50	9315.50	0.00	9315.50	
3	Providing chain link fencing around plantation area. 102 mt per ha. Rs 2100/- per mt.		170.00	51085.00	171496.00	222581.00	51085.00	171496.00	222581.00	
4	Alignment of pibat 5m x5m spacemnt. 625 pits per Ha. (0.13 M.D. per 50 pits) M&S @Rs. 2.247 per 50 pits		1.62	486.81	26.00	514.81	486.81	26.00	514.81	
5	Digging of pits size 0.60x0.60 (625 pits per ha.) 36.26 MD per 100 pits)		207.86	62467.94	0.00	62467.94	62467.94	0.00	62467.94	
TOTAL :-			422.60	126961.25	171674.00	298635.25	126961.25	171674.00	298635.25	
6	Contingency 3%			3808.84	5150.22	8959.06	3808.84	5150.22	8959.06	
7	Labour welfare (Medi &water) 4%			5078.45	6866.96	11945.41	5078.45	6866.96	11945.41	
TOTAL :-			422.60	136848.54	183691.18	319539.72	136848.54	183691.18	319539.72	
SAY AS TOTAL :-									319540	

DAILY WAGES RATE

330.55

Sr. No.	Particulars of works	First Year Operation						
		Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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	34350.00	34350.00
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	10329.69	21600.00	31929.69
3	Transport of seedlings from nursery to plantain 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	4128.57	3747.00	7875.57
4	Planting of seedlings 625 seedlings (2.01 M.D. per 50 seedlings)	25.13	8306.72	0.00	8306.72	8306.72	0.00	8306.72
5	Planting for 10% casualty replacement (2.00 M.D. per 100 seedlings)	1.26	416.49	0.00	416.49	416.49	0.00	416.49
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	14048.38	281.00	14329.38
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	10207.38	0.00	10207.38
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	10000.00	10000.00
9	Watch and ward (10 months-1 watcher per 10 ha.)	30.00	9916.50	0.00	9916.50	9916.50	0.00	9916.50
10	Fire Tracing	2.00	661.10	0.00	661.10	661.10	0.00	661.10
11	Special technical works	0.00	0.00	0.00	7091.00	0.00	0.00	7091.00
	TOTAL :-	175.51	58014.83	69978.00	135083.83	58014.83	69978.00	135083.83
	Contingancy 3%		1740.44	2099.34	4052.51	1740.44	2099.34	4052.51
	Labour welfare (Medi &water) 4%		2320.59	2799.12	5403.35	2320.59	2799.12	5403.35
	TOTAL :-	175.51	62075.87	74876.46	144539.70	62075.87	74876.46	144539.70
	SAY AS TOTAL :-							144540

DAILY WAGES RATE

363.81

Sr. No.	Particulars of works	Second Year Operation						
		Mandays	Wages	Material supply	Total	Wages	Material supply	Total
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	15453.43	281.00	15734.43
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	13998.99	0.00	13998.99
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	10000.00	10000.00
4	Fire tracing	2.00	727.22	0.00	558.54	727.22	0.00	727.22
5	Special Technical assistance	0.00	0.00	0.00	7091.00	0.00	0.00	7091.00
	TOTAL :-	83.00	30179.63	10281.00	40551.41	30179.63	10281.00	47551.63
	Contingancy 3%		905.39	308.43	1216.54	905.39	308.43	1426.55
	Labour welfare (Medi &water) 4%		1207.19	411.24	1622.06	1207.19	411.24	1902.07
	TOTAL :-	83.00	32292.20	11000.67	43390.01	32292.20	11000.67	50880.24
	SAY AS TOTAL :-				43390			50880

Daily Wage Rate :

399.97

Third Year Operation

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1	3 weedings 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	16998.73	281.00	17279.73
2	Watering the plants 5 times (20 litre per 100 plants) As per Govt. Resolution EGS 28 dt. 9/1/2009	15.38	6151.54	0.00	6151.54	6151.54	0.00	6151.54
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	10000.00	10000.00
4	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	14598.91	0.00	14598.91	14598.91	0.00	14598.91
5	Fire tracing	2.00	799.94	0.00	799.94	799.94	0.00	799.94
TOTAL :-		96.38	38549.11	10281.00	48830.11	38549.11	10281.00	48830.11
Contingancy 3%			1156.47	308.43	1464.90	1156.47	308.43	1464.90
Labour welfare (Medi & water) 4%			1541.96	411.24	1953.20	1541.96	411.24	1953.20
TOTAL :-		96.38	41247.55	11000.67	52248.22	41247.55	11000.67	52248.22
SAY AS TOTAL :-								52248

Daily Wage Rate :

439.97

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
---------	----------------------	---------	-------	-----------------	-------	-------	-----------------	-------

Fourth Year Operation

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	16058.91	0.00	16058.91	16058.91	0.00	16058.91
2	Fire tracing (3m wide cutting and burning)	2.00	879.94	0.00	879.94	879.94	0.00	879.94
	TOTAL :-	38.50	16938.85	0.00	16938.85	16938.85	0.00	16938.85
	Contingency 3%		508.17	0.00	508.17	508.17	0.00	508.17
	Labour welfare (Medi & water) 4%		677.55	0.00	677.55	677.55	0.00	677.55
	TOTAL :-	38.50	18124.56	0.00	18124.56	18124.56	0.00	18124.56
	SAY AS TOTAL :-							18125

Daily Wage Rate :

483.97

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
---------	----------------------	---------	-------	-----------------	-------	-------	-----------------	-------

Fifth Year Operation

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	17664.91	0.00	17664.91	17664.91	0.00	17664.91
2	Fire tracing (3m wide cutting and burning)	2.00	967.94	0.00	967.94	967.94	0.00	967.94
	TOTAL :-	38.50	18632.85	0.00	18632.85	18632.85	0.00	18632.85
	Contingency 3%		558.99	0.00	558.99	558.99	0.00	558.99
	Labour welfare (Medi & water) 4%		745.31	0.00	745.31	745.31	0.00	745.31
	TOTAL :-	38.50	19937.14	0.00	19937.14	19937.14	0.00	19937.14
	SAY AS TOTAL :-							19937

Daily Wage Rate :

532.37

Sr.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
-----	----------------------	---------	-------	----------	-------	-------	----------	-------

Sixth Year Operation

1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	19431.51	0.00	19431.51	19431.51	0.00	19431.51
2	Fire tracing (3m wide cutting and burning)	2.00	1064.74	0.00	1064.74	1064.74	0.00	1064.74
	TOTAL :-	38.50	20496.25	0.00	20496.25	20496.25	0.00	20496.25
	Contingency 3%		614.89	0.00	614.89	614.89	0.00	614.89
	Labour welfare (Medi & water) 4%		819.85	0.00	819.85	819.85	0.00	819.85
	TOTAL :-	38.50	21930.98	0.00	21930.98	21930.98	0.00	21930.98
	SAY AS TOTAL :-				11505			21931

Daily Wage Rate : 585.61

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Seventh Year Operation								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	21374.77	0.00	21374.77	21374.77	0.00	21374.77
2	Fire tracing (3m wide cutting and burning)	2.00	1171.22	0.00	1171.22	1171.22	0.00	1171.22
	TOTAL :-	38.50	22545.99	0.00	22545.99	22545.99	0.00	22545.99
	Contingency 3%		676.38	0.00	676.38	676.38	0.00	676.38
	Labour welfare (Medi & water) 4%		901.84	0.00	901.84	901.84	0.00	901.84
	TOTAL :-	38.50	24124.20	0.00	24124.20	24124.20	0.00	24124.20
	SAY AS TOTAL :-							24124

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	135848.54	183691.18	319539.72
2)	First Year Operation	175.51	62075.87	74876.46	144539.70	62075.87	74876.46	144539.70
3)	Second Year Operation	83.00	32292.20	11000.67	43390.01	32292.20	11000.67	50880.24
4)	Third Year Operation	96.38	41247.55	11000.67	52248.22	41247.55	11000.67	52248.22
5)	Fourth Year Operation	38.50	18124.56	0.00	18124.56	18124.56	0.00	18124.56
6)	Fifth Year Operation	38.50	19937.14	0.00	19937.14			19937.14
7)	Sixth Year Operation	38.50	21930.98	0.00	21930.98		0.00	21930.98
8)	Seventh Year Operation	38.50	24124.20	0.00	24124.20	24124.20	0.00	24124.20
	Total :-		355581.05	280568.98	634237	313712.92	280568.98	651325

(JAYOTI BANERJEE)
 Deputy Conservator of Forests,
 Alibag

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