

COMPENSATORY AFFORESTATION SCHEME

The Project for proposed construction of 220 KV D/C Transmission Line from Umred to Nagbhid

Model No. 5

Division: Bramhapuri
Range: North Bramhapuri
Survey No. : 139 (Comptt. No. 849)
Village:Khedmakta

Total Area (Ha.): 6.13
Spacing - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha. + 100 Plants N.R. Works
Wages (Rs.): 387.23

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 6.13 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. for 6.13 Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	387.23	91.00	478.23	6.13	2373.72	557.83	2931.55
	b. Preparation of treatment map (100 m 50 m grid)	1.00	387.23	91.00	478.23	6.13	2373.72	557.83	2931.55
	c. Corner of grid digging of trial pits size 0.30 x 0.30 x 0.60 m.	0.40	154.89	0.00	154.89	2.45	949.49	0.00	949.49
	d. 60 cm. x 5 cm. x 12 cm. Cement pillar 30 cm. deep erecting and colour the pillar and write the grid no. on pillar (3 pillars Rs. 75/- per pillar)	0.00	0.00	225.00	225.00	0.00	0.00	1379.25	1379.25
	e. Clearing of bushes and preparation of site (As per requirement)	10.00	3872.30	91.00	3963.30	61.30	23737.20	557.83	24295.03
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	12004.13	0.00	12004.13	190.03	73585.32	0.00	73585.32
3	Chainlink And Fencing 102 rmt per ha. (Including 1 gate for 1 plantation) (Rs. 1000/- per rmt as per tender) (height 1.65 m., 10 gauge wire, Net size 10 cm. x 10 cm. distance 2 pole 2.5 m. (102 x 1500 = 153000)	0.00	0.00	182865.60	182865.60	0.00	0.00	1120966.13	1120966.13
4	Alignment of pits at 3.0 x 3.0 m spacing 1111 pits per ha. and alignment of pits 0.45 x 0.45 x 0.45 m. total pits 1111 per 100 pits 0.26 M.D. and M.S. Rs. 9.81 per 100 pits	2.89	1119.09	91.00	1210.09	17.72	6860.05	557.83	7417.88
5	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D. per 100 pits)	73.33	28395.58	0.00	28395.58	449.51	174064.88	0.00	174064.88
6	Inspection path 5 m. width 1 M.D. per 100 m. per ha.	1.00	387.23	0.00	387.23	6.13	2373.72	0.00	2373.72
7	Counting of valuable natural plant species and colour tape and take entry in register (0.75 M.D. per 100 plants)	0.75	290.42	25.00	315.42	4.60	1780.29	153.25	1933.54
8	Raise a plantation information board (4 x 3 ft.) 1 No.	0.00	0.00	5000.00	5000.00	0.00	0.00	30650.00	30650.00

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 6.13 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. for 6.13 Ha.)
9	Part nursery cost 1111 plant for planting + 10% casualty total raising 1222 plants (12.50 x 25 cm. bag size) October to March per plant 12.55 (Per plant wages Rs. 8.93 and M.S. 3.62 per plant)	46.70	18083.64	4798.80	22882.44	286.27	110852.72	29416.64	140269.36
	Total	168.07	65081.75	193278.40	258360.15	1030.27	398951.10	1184796.59	1583747.70
	Contingency 3%				7750.80				47512.43
	Labour Welfare 4%				10334.41				63349.91
	Grand Total	168.07	65081.75	193278.40	276445.36	1030.27	398951.10	1184796.59	1694610.03
B. First Year Operation									
1	Part nursery cost for maintenance of 1333seedling per HA. Rs.2.64 per seedling (wages Rs. 2.69 & M.S. Rs. 0.81)	14.80	5731.00	1079.73	6810.73	90.72	35131.05	6618.74	41749.80
2	Refiling of pits with good quality soil including application of single super phosphate. (1.66 MD per 100 pits)	18.44	7140.52	1944.25	9084.77	113.04	43771.39	11918.25	55689.65
3	Transporting of 1333 seedlings from nursery to plantation site including loading & unloading (0.14 MD per 100 plants and M.S. Rs. 1.82 per seedling).	1.87	724.12	2426.00	3150.12	11.46	4438.86	14871.38	19310.24
4	Planting of 1111 seedlings (1 MD per 100 seedlings)	11.11	4302.13	0.00	4302.13	68.10	26372.03	0.00	26372.03
5	3seedling (1Rmt circular) and 2 soil working (4.00 M.D. per 100seedling) fertilizer application Rs.0.82 per seedling.	44.44	17208.50	911.02	18119.52	272.42	105488.11	5584.55	111072.66
6	Watering 1111 seedling Novemer and Decemer 1time each. January to march 2 time each per seedling 5 litre water.purchase of 1111plastic can of 5 litre/ matka @ 25/- each and100 litre capacity 11 drums @400/- each for supplying water and water	59.25	22943.38	54395.00	77338.38	363.20	140642.90	333441.35	272671663.96
6	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1719.30	0.00	1719.30	27.22	10539.32	0.00	10539.32
7	Part nursery cost forcasualty replacement in SYO (222 seedling per ha.)(wages Rs. 11.90 and M.S. 3.62 total Rs.12.55 perseedling)	7.78	3012.65	803.64	3816.29	47.69	18467.54	4926.31	23393.85
8	Watch and ward (9months-1 watcher per 10 ha.)	27.38	10602.36	0.00	10602.36	167.84	64992.45	0.00	64992.45
9	Soil working for natural grower plants and singling.(1.15 MD per 100 plants).	1.15	445.31	10.00	455.31	7.05	2729.78	61.30	2791.08
10	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	192.66	74603.73	61569.64	136173.37	1181.01	457320.88	377421.89	834742.77
	Contingency 3%				4085.20				25042.28
	Labour Welfare 4%				5446.93				33389.71

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 6.13 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. for 6.13 Ha.)
	Grand Total	192.66	74603.73	61569.64	145705.51	1181.01	457320.88	377421.89	893174.76
C. Second Year Operation									
1	Part nursery cost for seedlings for casualty replacement (222 seedlings per ha) labour rate @ Rs.3.77 and MS RS.1.82 per seedlings.	2.46	952.59	404.00	1356.59	15.08	5839.35	2476.52	8315.87
2	Transporting of 222 seedlings for casualty replacement from nursery to plantation site including loading & unloading(0.14 MD per 100 plants and M.S. Rs. 1.82 per seedling).	0.31	120.04	404.04	524.08	1.90	735.85	2476.77	3212.62
3	Planting for casualty replacement 222 seedings (2.00MD per 100 seedlings.)	4.44	1719.30	0.00	1719.30	27.22	10539.32	0.00	10539.32
4	2 weedings and 1 soil working with fertilizers application 2.5 MD per 100 seedlings and MS Rs. 0.82 per seedling	27.77	10753.38	911.02	11664.40	170.23	65918.20	5584.55	71502.75
5	Watering 1111 seedling Novemer and Decemer 1time each, January to march 2 time each per seedling 5 litre water,purchase of 1111plastic can of 5 litre/ matka @ 25/- each and100 litre capacity 11 drums @400/- each for supplying water and water supply @0.05/-per litre and wages for watering 1MD for 150 seedlings.	88.88	34417.00	36105.00	70522.00	544.83	210976.22	221323.65	432299.87
6	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
7	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	162.36	62870.66	37824.06	100694.72	995.27	385397.16	231861.49	617258.65
	Contingency 3%				3020.84				18517.76
	Labour Welfare 4%				4027.79				24690.35
	Grand Total	162.36	62870.66	37824.06	107743.35	995.27	385397.16	231861.49	660466.76
D. Third Year Operations									
1	1 weedings and 1 soil working (1.5 MD per 100 seedlings) applying fertilizers @ Rs. 0.82 per plant	16.67	6455.12	911.02	7366.14	102.19	39569.91	5584.55	45154.46
2	Watering 556 seedling Novemer, Decemer January and June 1 time each per and February to May 2 time each total 12 tmes per seedling 5 litre water supply @0.50/-per litre and watering 150 seedlings per M.D.	44.48	17223.99	16680.00	33903.99	272.66	105583.06	102248.40	207831.46
3	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
4	Counting of survival percentage Grid wise and Specieswise aand to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
5	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	101.65	39361.93	17616.02	56977.95	623.11	241288.63	107986.20	349274.83
	Contingency 3%				1709.34				10478.24

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 6.13 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. for 6.13 Ha.)
	Labour Welfare 4%				2279.12				13970.99
	Grand Total	101.65	39361.93	17616.02	60966.41	623.11	241288.63	107986.20	373724.07
E. Fourth Year Operations									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise aand to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
F. Fifth Year Operations									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise aand to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
G. Sixth Year Operations.									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise aand to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
H. Seventh Year Operations									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise aand to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44

Sr. No.	Particulars of works	Expenditure per ha.			Expenditure for 6.13 ha.			Total (Rs. for 6.13 Ha.)	
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages		Material supply
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
I. Eighth Year Operations									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise and to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
K. Tenth Year Operations									
1	Watch and ward 12 months-1watcher per 10 ha.	36.50	14133.90	0.00	14133.90	223.75	86640.78	0.00	86640.78
2	Counting of survival percentage Grid wise and Specieswise and to Note the same on Register in May and October	2.00	774.46	25.00	799.46	12.26	4747.44	153.25	4900.69
3	Fire tracing	2.00	774.46	0.00	774.46	12.26	4747.44	0.00	4747.44
	Total	40.50	15682.82	25.00	15707.82	248.27	96135.66	153.25	96288.91
	Contingency 3%				471.23				2888.67
	Labour Welfare 4%				628.31				3851.56
	Grand Total	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13

Range Forest Officer (I err)
North Bramhapuri Range
North Bramhapuri



(Dipesh Malhotra)
Dy. Conservator of Forests
Bramhapuri Forest Division, Bramhapuri

ABSTRACT

Sr. No.	Particulars.	Expenditure per ha.				Expenditure for 6.13 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)
1	Pre Monsoon Works (PPO/PYO)	168.07	65081.75	193278.40	276445.36	1030.27	398951.10	1184796.59	1694610.03
2	First Year Operation	192.66	74603.73	61569.64	145705.51	1181.01	457320.88	377421.89	893174.76
3	Second Year Operation	162.36	62870.66	37824.06	107743.35	995.27	385397.16	231861.49	660466.76
4	Third Year Operation	101.65	39361.93	17616.02	60966.41	623.11	241288.63	107986.20	373724.07
5	Fourth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
6	Fifth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
7	Sixth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
8	Seventh Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
9	Eighth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
10	Nineth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
11	Tenth Year Operation	40.50	15682.82	25.00	16807.36	248.27	96135.66	153.25	103029.13
Total		908.24	351697.81	310463.12	708512.15	5567.55	2155907.39	1903138.92	4343179.53


 (Dipesh Malhotra)
Dy. Conservator of Forests
Bramhapuri Forest Division, Bramhapuri


 Range Forest Officer (Terri)
 North Bramhapuri Range
 North Bramhapuri