

**Scheme :- Compensatory Afforestation
Model No. 5**

Village - Ralegansiddhi, Tal - Parner, Dist - Ahmednagar
Proposed Forest Sur. No. 77 Gut No. 147 and Area -1.32 Hecter

Division - Ahmednagar

Circle - Nashik

Range - Parner

Spacement

Size of Pits

No. of Seedlings

4.00 m x 4.00 m

0.60 x 0.60 x 0.60 m

625 per Ha

Wage Rate

Proposed Area

279.13	per day
1.32	Ha

Sr. No.	Particulars of works	Area : 1 Ha			Area : 1.32 Ha				
		Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
A. Pre Monsoon Works (PPO/PHY)									
1	a. Survey and demarcation	1.00	279.13	50.00	329.13	1.32	368.45	66.00	434.45
	b. Preparation of treatment map (100 m x 50 m grid)	1.00	279.13	50.00	329.13	1.32	368.45	66.00	434.45
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	2791.30	50.00	2841.30	13.20	3684.52	66.00	3750.52
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	8653.03	0.00	8653.03	40.92	11422.00	0.00	11422.00
3	Providing chain link fencing around plantation area. 102 rmt per ha, Rs. 2100 per rmt	170.00	47452.10	171496.00	218948.10	224.40	62636.77	226374.72	289011.49
4	Alignment of pits at 5m x 5m spacement. 625 pits per Ha (0.13 M.D. per 50 pits) M&S @ Rs. 2.24 per 50 pits	1.62	452.19	28.00	480.19	2.14	596.89	36.96	633.85
5	Digging of pits of size 0.60 x 0.60 x 0.66 m (625 pits per Ha) 36.36 M.D. per 100 pits	207.88	58025.54	0.00	58025.54	274.40	76593.72	0.00	76593.72
	Total	422.50	117932.43	171674.00	289606.43	557.70	155670.80	226609.68	382280.48
	Contingency 3%			8688.19	8688.19			11468.41	11468.41
	Labour Welfare 4%			11584.26	11584.26			15291.22	15291.22
	Grand Total	422.50	117932.43	191946.45	309878.88	557.70	155670.80	253369.31	409040.11

Sr. No.	Particulars of works	Area : 1 Ha			Area : 1.32 Ha				
		Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
B. First Year Operations									
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	0.00	45342.00	45342.00
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	31.25	8722.81	21600.00	30322.81	41.25	11514.11	28512.00	40026.11
3	Transport of seedlings from nursery to plantation site (including lading & unloading) Wages 1.00 md per 55 seedlings and M&S Rs. 300 per 55 seedlings	12.49	3486.33	3747.00	7233.33	16.49	4601.96	4946.04	9548.00
4	Planting of seedlings, 625 seedlings (2.01 M.D. per 50 seedlings)	25.13	7014.54	0.00	7014.54	33.17	9259.19	0.00	9259.19
5	Planting of 10% casualty replacement (2.00 M.D. per 100 seedlings)	1.26	351.70	0.00	351.70	1.66	464.25	0.00	464.25
6	3 weedings and 2 soil workings (3.40 M.D. per 50 seedlings) fertilizer application Rs. 0.45 per seedling	42.50	11863.03	281.00	12144.03	56.10	15659.19	370.92	16030.11
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	8619.53	0.00	8619.53	40.76	11377.79	0.00	11377.79
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	0.00	13200.00	13200.00
9	Watch and Ward (10 months- 1 watcher per 10 Ha)	30.00	8373.90	0.00	8373.90	39.60	11053.55	0.00	11053.55
10	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
11	Special Technical Works				7091.00				9360.12
Total		175.51	48990.11	69978.00	126059.11	231.67	64666.94	92370.96	166398.02
Contingency 3%				3781.77	3781.77			4991.94	4991.94
Labour Welfare 4%				5042.36	5042.36			6655.92	6655.92
Grand Total		175.51	48990.11	78802.13	134883.24	231.67	64666.94	104018.82	178045.88

Sr. No.	Particulars of works	Area : 1 Ha				Area : 1.32 Ha			
		Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
C. Second Year Operations									
1	3 weedings and soil workings (3.40 M.D. per 50 plants) fertilizer application Rs. 0.45 per plant	42.50	11863.03	281.00	12144.03	56.10	15659.19	370.92	16030.11
2	Watering the plnts 5 times (20 litre per 100 plants) as per Govt. resolution EGS 28 dt. 9/11/2009	38.50	10746.51	0.00	10746.51	50.82	14185.39	0.00	14185.39
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc.		0.00	10000.00	10000.00	0.00	0.00	13200.00	13200.00
4	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
5	Special Technical Works				7091.00				9360.12
	Total	83.00	23167.79	10281.00	40539.79	109.56	30581.48	13570.92	53512.52
	Contingency 3%			1216.19	1216.19			1605.38	1605.38
	Labour Welfare 4%			1621.59	1621.59			2140.50	2140.50
	Grand Total	83.00	23167.79	13118.78	43377.58	109.56	30581.48	17316.80	57258.40
D. Third Year Operations									
1	3 weedings and soil workings (3.40 M.D. per 50 plants) fertilizer application Rs. 0.45 per plant	42.50	11863.03	281.00	12144.03	56.10	15659.19	370.92	16030.11
2	Watering the plants 5 times from Oct to March (20 litre per 100 plants, as per Govt. Resolution EGS 28 dt. 9/11/2009)	15.38	4293.02	0.00	4293.02	20.30	5666.79	0.00	5666.79
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc.			10000.00	10000.00			13200.00	13200.00
4	Watch and Ward (12months- 1 watcher per 10 Ha)	36.50	10188.25	0.00	10188.25	48.18	13448.48	0.00	13448.48
5	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
	Total	96.38	26902.55	10281.00	37183.55	127.22	35511.37	13570.92	49082.29
	Contingency 3%			1115.51	1115.51			1472.47	1472.47
	Labour Welfare 4%			1487.34	1487.34			1963.29	1963.29
	Grand Total	96.38	26902.55	12883.85	39786.40	127.22	35511.37	17006.68	52518.05
E. Fourth Year Operations									
1	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
2	Watch and Ward (12months- 1 watcher per 10 Ha)	36.50	10188.25	0.00	10188.25	48.18	13448.48	0.00	13448.48
	Total	38.50	10746.51	0.00	10746.51	50.82	14185.39	0.00	14185.39
	Contingency 3%			322.40	322.40			425.56	425.56
	Labour Welfare 4%			429.86	429.86			567.42	567.42
	Grand Total	38.50	10746.51	752.26	11498.77	50.82	14185.39	992.98	15178.37

Sr. No.	Particulars of works	Area : 1 Ha				Area : 1.32 Ha			
		Man days	Wages	Material Supply	Total	Man days	Wages	Material Supply	Total
F. Fifth Year Operations									
1	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
2	Watch and Ward (12months- 1 watcher per 10 Ha)	36.50	10188.25	0.00	10188.25	48.18	13448.48	0.00	13448.48
	Total	38.50	10746.51	0.00	10746.51	50.82	14185.39	0.00	14185.39
	Contingency 3%			322.40	322.40			425.56	425.56
	Labour Welfare 4%			429.86	429.86			567.42	567.42
	Grand Total	38.50	10746.51	752.26	11498.77	50.82	14185.39	992.98	15178.37
G. Sixth Year Operations									
1	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
2	Watch and Ward (12months- 1 watcher per 10 Ha)	36.50	10188.25	0.00	10188.25	48.18	13448.48	0.00	13448.48
	Total	38.50	10746.51	0.00	10746.51	50.82	14185.39	0.00	14185.39
	Contingency 3%			322.40	322.40			425.56	425.56
	Labour Welfare 4%			429.86	429.86			567.42	567.42
	Grand Total	38.50	10746.51	752.26	11498.77	50.82	14185.39	992.98	15178.37
H. Seventh Year Operations									
1	Fire tracing	2.00	558.26	0.00	558.26	2.64	736.90	0.00	736.90
2	Watch and Ward (12months- 1 watcher per 10 Ha)	36.50	10188.25	0.00	10188.25	48.18	13448.48	0.00	13448.48
	Total	38.50	10746.51	0.00	10746.51	50.82	14185.39	0.00	14185.39
	Contingency 3%			322.40	322.40			425.56	425.56
	Labour Welfare 4%			429.86	429.86			567.42	567.42
	Grand Total	38.50	10746.51	752.26	11498.77	50.82	14185.39	992.98	15178.37

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Abstract for Model No. 5

Sr. No.	Year of Operation	Area : 1 Ha						Area : 1.32 Ha					
		Man days	Wages	Material Supply	Special Technical works	Other Expenses	Total	Man days	Wages	Material Supply	Special Technical works	Other Expenses	Total
1	Pre Monsoon Works	422.50	117932.43	171674.00	0.00	20272.45	309878.87	557.70	155670.80	226609.68	0.00	26759.63	409040.11
2	First Year Operations	175.51	48990.11	69978.00	7091.00	8824.14	134883.24	231.67	64666.94	92370.96	9360.12	11647.86	178045.88
3	Second Year Operations	83.00	23167.79	10281.00	7091.00	2837.79	43377.58	109.56	30581.48	13570.92	9360.12	3745.88	57258.40
4	Third Year Operations	96.38	26902.55	10281.00	0.00	2602.85	39786.40	127.22	35511.37	13570.92	0.00	3435.76	52518.05
5	Fourth Year Operations	38.50	10746.51	0.00	0.00	752.26	11498.76	50.82	14185.39	0.00	0.00	992.98	15178.37
6	Fifth Year Operations	38.50	10746.51	0.00	0.00	752.26	11498.76	50.82	14185.39	0.00	0.00	992.98	15178.37
7	Sixth Year Operations	38.50	10746.51	0.00	0.00	752.26	11498.76	50.82	14185.39	0.00	0.00	992.98	15178.37
8	Seventh Year Operations	38.50	10746.51	0.00	0.00	752.26	11498.76	50.82	14185.39	0.00	0.00	992.98	15178.37
	Total	931.39	259,978.89	262,214.00	14,182.00	37,546.24	573,921.13	1,229.43	343,172.15	346,122.48	18,720.24	49,561.05	757575.92

Prepared By

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Range Forest Officer
Parmer

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