

Compensatory Afforestation Scheme in Aurangabad Division for Nagpur-Mumbai Express Way Package-V
(As per Model Rate Structure for Compensatory Afforestation Model No. 5)

Name of Village :-Andhari, Jatwa & Umravati
Name of Range:- Sillod
Spacement of pits - 3.00 m x 3.00 m
Size of pits - 0.60 x 0.60 x 0.60 m
No.of Seedlings per ha - 1000 per ha.

Andhari Gut No. 512, 293, 476, 740
Jatwa Gut No. 192, 14, 65, 93 & 95
Umravati Gut No. 495
Area:- 383.8535 Ha
Daily Wage Rate:- Rs. 320.38

Sr. No.	Particulars of works	Mandays	Rate per Hectare			Mandays	Rate for 383.8535 Hectare		
			Wages Rs.	M&S Rs.	Total Rs.		Wages Rs.	M&S Rs.	Total Rs.
	P.P.O.+ P.Y.O. WORKS								
1	a.Survey & Demarcation	1.00	320.38	50.00	370.38	383.8535	122978.98	19192.68	142171.66
	b.Preparation of treatment map (100m x 50m grid)	1.00	320.38	50.00	370.38	383.8535	122978.98	19192.68	142171.66
	c. cleaning of bushes & preparation of site (as per requirement)	10.00	3203.80	50.00	3253.80	383.8535	1229789.84	19192.68	1248982.52
2	Providing Chainlink fencing around periphery of plantation area Height-1.40m, Rs.2100/- per Ha.(102 Rmt.per Ha.) (Total 66139.039 Rmt.i.e.66139 Rmt)	170.00	54464.60	171496.00	225960.60	65255.10	20906427.34	65829339.84	86735767.17
3	Soil & Moisture Conservation work including collection of Rubbles from areas up to 30 m.etc.	31.00	9931.78	0.00	9931.78	11899.46	3812348.51	0.00	3812348.51
4	Alignment of pits at spacement of 3x3 mtr .1000 pits per Ha (0.13 M.D. Per 50 pits) M&S @ Rs.2.24 per 50 pits.	2.60	832.99	44.80	877.79	998.02	319745.36	17196.64	336942.00
5	Digging of pits of size 0.60x0.60x0.60 m (1000 pits per ha) 36.26 M.D per 100 pits	362.60	116169.79	0.00	116169.79	139185.28	44592179.72	0.00	44592179.72
	Total	578.20	185243.72	171690.80	356934.52	221944.09	71106448.74	65904114.50	137010563.24
	Contengency 3%	0.00	0.00	10708.04	10708.04	0.00	0.00	4110316.90	4110316.90
	Labour welfare (medi.& water) 4%	22.28	7138.69	7138.69	14277.38	8553.00	2740211.26	2740211.26	5480422.53
	Grand Total:-	600.48	192382.41	189537.53	381919.93	230497.10	73846660.00	72754642.66	146601302.66

	First Year Operations								
1	Purchase of selected seedlings 1100 seedlings per ha (50% fruit bearing species) Rs. 50 per seedlings	0.00	0.00	55000.00	55000.00	0.00	0.00	21111942.50	21111942.50
2	Refiling of pits by good quality soil (2.5 M.D per 50 pits) a) 30% soil replacement 64.80 cum per ha Rs.300/- per cum. b) Filling 10% farm yard manure 21.60 cum per ha Rs.700/- per cum.	50.00	16019.00	34560.00	50579.00	19192.68	6148949.22	13265976.96	19414926.18
3	Transport of seedlings from nursery to plantation site (including loading & unloading) Wages 1.00 md per 55 seedlings and M&S Rs.300/- per 55 seedlings	18.18	5824.51	5454.54	11279.05	6978.46	2235757.94	2093744.27	4329502.21
4	Planting of seedlings 1000 seedlings (2.01 M.D per 50 seedlings)	40.20	12879.28	0.00	12879.28	15430.91	4943755.17	0.00	4943755.17
5	Planting for 10% Causality replacement (2.00 M.D per 100 seedlings)	2.00	640.76	0.00	640.76	767.71	245957.97	0.00	245957.97
6	3 weedings and 2 soil workings (3.40 M.D per 50 seedlings) fertilizer application Rs.0.45 per seedling	68.00	21785.84	450.00	22235.84	26102.04	8362570.93	172734.08	8535305.01
7	Watering the plants 4 times form oct to march (20 litre per 100 plants (As per Govt.Resolution EGS 28 dt.9/11/2009)	49.40	15826.77	0.00	15826.77	18962.36	6075161.83	0.00	6075161.83
8	Water supply to plantation site by tanker and material supply as tanks.pipes etc.	0.00	0.00	16000.00	16000.00	0.00	0.00	6141656.00	6141656.00
9	Watch and ward 10 months -1 watcher per 10.00 ha	30.00	9611.40	0.00	9611.40	11515.61	3689369.53	0.00	3689369.53
10	Fire tracing	2.00	640.76	0.00	640.76	332.97	106676.93	0.00	106676.93
	Total	259.78	83228.32	111464.54	194692.86	99717.46	31947480.55	42786053.80	74733534.35
	Contengency 3%	0.00	0.00	5840.79	5840.79	0.00	0.00	2242006.03	2242006.03
	Labour welfare (medi.& water) 4%	12.15	3893.86	3893.86	7787.71	4665.31	1494670.69	1494670.69	2989341.37
	Grand Total:-	271.93	87122.17	121199.18	208321.36	104382.77	33442151.24	46522730.52	79964881.76

	Second Year Operations								
1	3 Weedings and soil workings (3.40 M.D per 50 plant) fertilizer application Rs.0.45 per plant.	68.00	21785.84	450.00	22235.84	26102.04	8362570.93	172734.08	8535305.01
2	Watering the plants 5 times (20 litre per 100 plants) As per Govt. Resolution EGS 28 dt. 9/11/2009	61.60	19735.41	0.00	19735.41	23645.38	7575505.43	0.00	7575505.43
3	Water supply to plantation site by tanker and material supply as tanks,pipes etc	0.00	0.00	16000.00	16000.00	0.00	0.00	6141656.00	6141656.00
4	Watch and ward (12 months) –1 watcher per 10 ha	36.50	11693.87	0.00	11693.87	14010.65	4488732.93	0.00	4488732.93
5	Fire tracing	2.00	640.76	0.00	640.76	767.71	245957.97	0.00	245957.97
	Total	168.10	53855.88	16450.00	70305.88	64525.77	20672767.27	6314390.08	26987157.34
	Contingency 3%	0.00	0.00	2109.18	2109.18	0.00	0.00	809614.72	809614.72
	Labour welfare 4%	4.39	1406.12	1406.12	2812.24	1684.70	539743.15	539743.15	1079486.29
	Grand Total	172.49	55262.00	19965.29	75227.29	66210.47	21212510.41	7663747.94	28876258.35
	Third Year Operation								
1	3 Weedings and soil working (3.40 M.D per 50 plants) fertilizer application Rs.0.45 per plant	68.00	21785.84	450.00	22235.84	26102.04	8362570.93	172734.08	8535305.01
2	Watering the plants 5 times (20 litre per 100 plants) as per Govt. Resolution EGS 28 dt. 9/11/2009	61.60	19735.41	0.00	19735.41	23645.38	7575505.43	0.00	7575505.43
3	Water supply to plantation site by tanker and material supply as tanks, pipes etc	0.00	0.00	16000.00	16000.00	0.00	0.00	6141656.00	6141656.00
4	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	11693.87	0.00	11693.87	14010.65	4488732.93	0.00	4488732.93
5	Fire tracing	2.00	640.76	0.00	640.76	767.71	245957.97	0.00	245957.97
	Total	168.10	53855.88	16450.00	70305.88	64525.77	20672767.27	6314390.08	26987157.34
	Contengancy 3%	0.00	0.00	2109.18	2109.18	0.00	0.00	809614.72	809614.72
	Labour welfare 4%	4.39	1406.12	1406.12	2812.24	1684.70	539743.15	539743.15	1079486.29
	Sub-total:-	172.49	55262.00	19965.29	75227.29	66210.47	21212510.41	7663747.94	28876258.35

	Fourth Year Operation								
1	Fire Tracing	2.00	640.76	0.00	640.76	332.97	106676.93	0.00	106676.93
2	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	11693.87	0.00	11693.87	2189.27	701398.32	0.00	701398.32
	Total	38.50	12334.63	0.00	12334.63	2522.24	808075.25	0.00	808075.25
	Contengancy 3%	0.00	0.00	370.04	370.04	0.00	0.00	24242.26	24242.26
	Labour welfare 4%	0.77	246.69	246.69	493.39	87.74	15553.14	15553.14	32323.01
	Sub-total:-	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
	Fifth Year Operation								
1	Fire Tracing	2.00	640.76	0.00	640.76	332.97	106676.93	0.00	106676.93
2	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	11693.87	0.00	11693.87	2189.27	701398.32	0.00	701398.32
	Total	38.50	12334.63	0.00	12334.63	2522.24	808075.25	0.00	808075.25
	Contengancy 3%	0.00	0.00	370.04	370.04	0.00	0.00	24242.26	24242.26
	Labour welfare 4%	0.77	246.69	246.69	493.39	87.74	15553.14	15553.14	32323.01
	Sub-total:-	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
	Sixth Year Operation								
1	Fire Tracing	2.00	640.76	0.00	640.76	332.97	106676.93	0.00	106676.93
2	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	11693.87	0.00	11693.87	2189.27	701398.32	0.00	701398.32
	Total	38.50	12334.63	0.00	12334.63	2522.24	808075.25	0.00	808075.25
	Contengancy 3%	0.00	0.00	370.04	370.04	0.00	0.00	24242.26	24242.26
	Labour welfare 4%	0.77	246.69	246.69	493.39	87.74	15553.14	15553.14	32323.01
	Sub-total:-	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
	Seventh Year Operation								
1	Fire Tracing	2.00	640.76	0.00	640.76	332.97	106676.93	0.00	106676.93
2	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	11693.87	0.00	11693.87	2189.27	701398.32	0.00	701398.32
	Total	38.50	12334.63	0.00	12334.63	2522.24	808075.25	0.00	808075.25
	Contengancy 3%	0.00	0.00	370.04	370.04	0.00	0.00	24242.26	24242.26
	Labour welfare 4%	0.77	246.69	246.69	493.39	87.74	15553.14	15553.14	32323.01
	Sub-total:-	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79

Abstract

S.No.	Item	Mandays	Wages	M/s	Total	Mandays	Wages	M/s	Total
1	Pre-monsoon Operations	600.48	192382.41	189537.53	381919.93	230497.10	73846660.00	72754642.66	146601302.66
2	First Year Operations	271.93	87122.17	121199.18	208321.36	104382.77	33442151.24	46522730.52	79964881.76
3	Second Year Operations	172.49	55262.00	19965.29	75227.29	66210.47	21212510.41	7663747.94	28876258.35
4	Third Year Operations	172.49	55262.00	19965.29	75227.29	66210.47	21212510.41	7663747.94	28876258.35
5	Fourth Year Operations	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
6	Fifth Year Operations	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
7	Sixth Year Operations	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
8	Seventh Year Operations	39.27	12581.32	616.73	13198.05	2609.98	823628.39	39795.40	863423.79
	Total	1374.47	440353.86	353134.22	793488.08	477740.73	153008345.63	134764050.66	287772396.29


Range Forest Officer
Sillod


Assistant Conservator of Forests
Sillod


Dy. Conservator of Forests
Aurangabad