

RATE STRUCTURE FOR COMPENSATORY AFFORESTATION (2500 PLANT/HA) Model No.1
As per P.C.C.F(HOFF) Nagpurs Letter No.d.17/nocel/ma/estimate/1312/2013.14 Dt.13.11.2013

Range- Pendakhale Tal - Shahuwadi Dist - Kolhapur Village - Sonurle
Kedarnath Mining & Earthmovers Co. C.A. Land Daily Wages rate Rs. 339.09 per day

Cost per ha									
Sr. No	Particulars works	Man days	Wages (Rs.)	Material		Total Cost/Ha	Mandays	Wages (Rs.)	
				Supply	Cost/Ha			Supply	Cost/Ha
1	2	3	4	5	6	7	8	9	10
1	A. pre monsoon Works PPO/PYO								
a)	Survey and demarcation	1.00	339.09	50.00	389.09	13.00	4408.17	650.00	5058.17
b)	Preparation of treatment map(100 x m x 50 m grid)	1.00	339.09	50.00	389.09	13.00	4408.17	650.00	5058.17
c)	Clearing of bushes and preparation of site (As per requirement)	10.00	3390.90	50.00	3440.90	130.00	44081.70	650.00	44731.70
2	Soil & moisture conservation works including collection of rubbles from areas up to 30 m etc.	31.00	10511.79	0.00	10511.79	403.00	136653.27	0.00	136653.27
3	Digging of Trench cum mound (TCM) of size 1.9 x 0.60 x 1.00 along the periphery of plantation area including spreading/stacking the excavated soil as directed in 1 m width and 1 m height Lenth 102 Rmt per Ha.(127.50 cum per ha.)	82.57	27998.66	50.00	28048.66	1073.41	363982.60	650.00	364632.60
4	Alignment of pits at 2m x 2 m spacement.2500 pits per Ha.(0.13 M.D. per 50 pits) M & S @ Rs.2.24 per 50 pits	6.50	2204.09	112.00	2316.09	84.50	28653.11	1456.00	30109.11
5	Digging of pit of size 0.45 x 0.45 x 0.45 m(2500 pits per ha.)6.60 M.D.per 100 pits.	165.00	55949.85	0.00	55949.85	2145.00	727348.05	0.00	727348.05

6	Part Nursery cost for raising 3000 seedlings per ha. (including 20% casualty replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs. 8.80 and M & S Rs. 1.76 per plant	105.14	35651.92	5280.00	40931.92	1366.82	463474.99	68640.00	532114.99
7	Cost of agave suckers (420 per ha) Rs. 25 per 100 suckers (or cost of prospis, chilars etc. seed for sowing on CCT)	1.68	569.67	315.00	884.67	21.84	7405.73	4095.00	11500.73
	Total	403.89	136955.06	5907.00	142862.06	5250.57	1780415.78	76791.00	1857206.78
	Contingency 3 %							55716.20	55716.20
	Labour Welfer 4 %							74288.27	74288.27
	Total						1780415.78	206795.47	1987211.26
	Grand Total								1987211

Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	B First year operations	3	4	5	6	7	8	9	10
1	Part Nursery cost for Maintenance of 3000 seedlings per ha. Rs. 2.64 per seedling (Wages Rs. 2.20, M & S Rs. 0.44)	26.29	8914.68	1320.00	10234.68	341.77	115890.79	17160.00	133050.79
2	Reffling of pis by good quality soil including application of single super phosphate (1.66 MD per 100 seedlings	41.50	14072.24	1200.00	15272.24	539.50	182939.06	15600.00	198539.06
3	Transportation of seedling from nursery to plantation site(Including loading & unloading) Rs. 1.00 per seedling Wages 0.14 md per 100 seedlings	4.20	1424.18	3000.00	4424.18	54.60	18514.31	39000.00	57514.31
4	Digging and transportation of agave suckers from nursery to plantation site and planting	1.68	569.67	0.00	569.67	21.84	7405.73	0.00	7405.73

5	Planting of 2500 seedlings (1.1 M.D. per 100 seedlings)	27.50	9324.98	0.00	9324.98	357.50	121224.68	0.00	121224.68
6	Causality replacement (20% 500 seedling per ha) (2 M.D. per 100 seedlings)	10.00	3390.90	0.00	3390.90	130.00	44081.70	0.00	44081.70
7	3 weedings and 2 soil workings (3.50 M.D. per 100 seedlings) fertilizer application Rs.0.45 per seedling	87.50	29670.38	1125.00	30795.38	1137.50	385714.88	14625.00	400339.88
8	Watch and ward (10 months -1 watcher per 10 ha)	30.00	10172.70	0.00	10172.70	390.00	132245.10	0.00	132245.10
9	Fire tracing	2.00	678.18	0.00	678.18	26.00	8816.34	0.00	8816.34
10	Part Nursery cost for causality replacement in SYO (500 seedlings per ha.) (Wages Rs.8.80 and material supply Rs 1.76 total Rs.10.56 per seedling)	17.52	5940.86	880.00	6820.86	227.76	77231.14	11440.00	88671.14
11	Special technical works	0.00	0.00	0.00				0.00	3700.00
	Total								
	Contingency 3%	248.19	84158.75	7525.00	91683.75	3226.47	1094063.71	97825.00	1191888.71
	Labour Welfare 4%							35756.64	35756.64
	Total							47675.548	47675.55
	Grand Total						1094063.71	181257.19	1275320.90
									1275321

Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	2	3	4	5	6	7	8	9	10
	C. Second Year Operations								
1	Part nursery cost for seedling for causality replacement (500 seedlings per ha)	4.38	1100.30	220.00	1320.30	56.94	19307.78	2860.00	22167.78

2	Transportation of seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D. Per 100 Seedling	0.70	175.85	500.00	675.85	9.10	3085.72	6500.00	9585.72
3	Causality replacement (500 seedling per ha) 2 M.D. per 100 seedling	10.00	2512.10	0.00	2512.10	130.00	44081.70	0.00	44081.70
4	2 weedings and 1 soil working, with fertilizer application at Rs.0.45 per seedling	62.50	15700.63	1125.00	16825.63	812.50	275510.63	14625.00	290135.63
5	Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0.00	8816.34
6	Watch and ward 12 month -1	36.50	9169.17	0.00	9169.17	474.50	160898.21	0.00	160898.21
	Water per 10.00 ha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	116.08	29160.47	1845.00	31005.47	1509.04	511700.37	23985.00	535685.37
	Contingency 3%							16070.56	16070.56
	Labour Welfare 4%							21427.41	21427.41
	Special technical works							3700.00	3700.00
	Total						511700.37	65182.98	576883.35
	Grand Total								576883

52.39

Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	2	3	4	5	6	7	8	9	10
D.Third Year Operations									
1	1 weeding and 1 soil working (1.50 M.D. per 100 seedlings)	37.50	9420.38	0.00	9420.38	487.50	165306.38	0.00	165306.38
2	Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0.00	8816.34
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	9169.17	0.00	9169.17	474.5	160898.21	0.00	160898.21
	Total	76.00	19091.97	0.00	19091.97	988.00	335020.92	0.00	335020.92
	Contingency 3%							10050.628	10050.63
	Labour Welfare 4%							13400.837	13400.84
	Total						335020.92	23451.46	358472.38
	Grand Total								358472
E.Fourth Year Operations									
1	1 Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0	8816.34
2	Watch and ward 12 month -1 Watcher per 10.00 ha	36.50	9169.17	0.00	9169.17	474.5	160898.21	0	160898.21
	Total	38.50	9671.59	0.00	9671.59	500.50	169714.55	0	169714.55
	Contingency 3%							5091.44	5091.44
	Labour Welfare 4%							6788.58	6788.58
	Total						169714.55	11880.02	181594.56
	Grand Total								181595

Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	2	3	4	5	6	7	8	9	10
1	<u>F. Fifth Year Operations</u>								
1	Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0.00	8816.34
2	Watch and ward 12 month -1 Watcher per 10.00 ha	36.50	9169.17	0.00	9169.17	474.5	160898.21	0.00	160898.21
	Total	38.50	9671.59	0.00	9671.59	500.50	169714.55	0.00	169714.55
	Contingency 3%								
	Labour Welfare 4%							5091.44	5091.44
	Total							6788.58	6788.58
	Grand Total						169714.55	11880.02	181594.56
									181595
Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	2	3	4	5	6	7	8	9	10
1	<u>G. Sixth Year Operation</u>								
1	Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0	8816.34
2	Watch and ward 12 month -1 Watcher per 10.00 ha	36.50	9169.17	0.00	9169.17	474.5	160898.21	0	160898.21
	Total	38.50	9671.59	0.00	9671.59	500.50	169714.55	0	169714.55
	Contingency 3%								
	Labour Welfare 4%							5091.44	5091.44
	Total							6788.58	6788.58
	Grand Total						169714.55	11880.02	181594.56
									181595

Sr. No	Particulars works	Man days	Wages (Rs.)	Material Supply	Total Cost/Ha	Mandays	Wages (Rs.)	Material Supply	Total Cost/Ha
1	2	3	4	5	6	7	8	9	10
	H. Seventh Year Operations								
1	Fire tracing	2.00	502.42	0.00	502.42	26.00	8816.34	0	8816.34
2	Watch and ward 12 month -1 Watcher per 10.00 ha	36.50	9169.17	0.00	9169.17	474.50	160898.21	0	160898.21
	Total	38.50	9671.59	0.00	9671.59	500.50	169714.55	0	169714.55
	Contingency 3%							5091.44	5091.44
	Labour Welfare 4%							6788.58	6788.58
	Total						169714.55	11880.018	181594.56
	Grand Total								181595

Deputy Conservator of Forests,
Gubbi Division, Kottahur

ABSTRACT FOR MODEL NO.1

Shembavane

pendhakhale

Wage Rate/Day

339.09

13.00

Sr. No	Year of Operation	Man days	Wages Rs	Material Supply	Total	Other expenses	Total	(Amount in Rupees)	
								Total amount (rounded off)	
1	Pre Monsoon	5250.57	1780415.78	76791.00	1857206.78	130004.47	1987211.26	987211	
2	First Year Operation	3226.47	1094063.71	97825.00	1191888.71	83432.18	1275320.89	1275321	
3	Second Year Operation	1509.04	511700.37	23985.00	535685.37	41197.98	576883.35	576883	
4	Third Year Operation	988.00	335020.92	0.00	335020.92	23451.46	358472.38	358472	
5	Fourth Year Operation	500.50	169714.55	0.00	169714.55	11880.02	181594.57	181595	
6	Fifth Year Operation	500.50	169714.55	0.00	169714.55	11880.02	181594.56	181595	
7	Sixth Year Operation	500.50	169714.55	0.00	169714.55	11880.02	181594.56	181595	
8	Seventh Year Operation	500.50	169714.55	0.00	169714.55	11880.02	181594.56	181595	
	Total	12976.08	4400058.97	198601.00	4598659.97	325606.17	4924266.14	3924267.00	

Deputy Conservator of Forests,
Kolhapur Division, Kolhapur.

14.11.17

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