COMPENSATORY AFFORESTATION SCHEME
FOR ±800 KV RAIGARH-PUGALUR TRANSMISSION LINE (PART-III) PROJECT
Model No. 3

Division: Chandrapur

Range Saoli -Comp. No. 1800, 1713, 157, 1461P, 201
Range Chandrapur- Comp. No. 518
Range Warora- Comp. No. 14B, 1, 5, 2, 12, 10
Range Bhadravati- Comp. No. 907, 899

Total Area (Ha.): 552
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 327.56
Periferal Length (meter): 45720

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 552 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	**a. Survey and demarcation**	1.00	327.56	50.00	377.56	552.00	180813.12	27600.00	208413.12
	b. Preparation of treatment map (100 m 50 m grid)	1.00	327.56	50.00	377.56	552.00	180813.12	27600.00	208413.12
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3275.60	50.00	3325.60	5520.00	1808131.20	27600.00	1835731.20
2	Soil and moisture conservation works includidng collection of rubbles from area upto 30 m etc.	31.00	10154.36	0.00	10154.36	17112.00	5605206.72	0.00	5605206.72
3	Alignment of 1200 rmt of CCT at 8.00 m spacement) (0.25 M.D per 100 rmt and M&S. Rs. 40 per 100 rmt).	3.00	982.68	100.00	1082.68	1656.00	542439.36	55200.00	597639.36
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. - 0.15 per rmt)	183.60	60140.02	0.00	60140.02	101347.20	33197288.83	0.00	33197288.83
5	Chainlink And Fencing 45720 Mtr 850 per rmt	0.00	850.00	50.00	900.00	0.00	38862000.00	27600.00	38889600.00
6	Alignment of pits at 3.0 x 3.0 m spacement 1111 pits per ha (Wages 0.13 M.D and MS. Rs. 2.24 per 50 pits)	2.89	946.65	50.00	996.65	1595.28	522549.92	27600.00	550149.92
7	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	24019.97	0.00	24019.97	40478.16	13259026.09	0.00	13259026.09
	Total	**305.82**	**101024.40**	**350.00**	**101374.40**	**168812.64**	**94158268.36**	**193200.00**	**94351468.36**
	Contingency 3%			3041.23	3041.23			2830544.05	2830544.05
	Labour Welfare 4%			4054.98	4054.98			3774058.73	3774058.73
	Grand Total	**305.82**	**101024.40**	**7446.21**	**108470.61**	**168812.64**	**94158268.36**	**6797802.79**	**100956071.14**
B. First Year Operation									
1	Purchasing Tall Plants 1111 per Ha. @250 Per Plant	0.00	0.00	277750.00	277750.00	0.00	0.00	153318000.00	153318000.00

2	Refiling of pits with good quality soil a) 1.66 MD per100 pits b) 20% soil replacement , 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	18.44	6040.21	9500.00	15540.21	10178.88	3334193.93	5244000.00	8578193.93
3	Sowing of seeds on CCT1200 rmt 5 kg per ha @ Rs 50 per Kg	12.00	3930.72	325.00	4255.72	6624.00	2169757.44	179400.00	2349157.44
4	Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	4716.86	0.00	4716.86	7948.80	2603708.93	0.00	2603708.93
5	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	6259.67	0.00	6259.67	10548.72	3455338.72	0.00	3455338.72
6	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	12735.53	650.00	13385.53	21461.76	7030014.11	358800.00	7388814.11
7	Purchrsing 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	15318000.00	15318000.00
8	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1454.37	0.00	1454.37	2450.88	802810.25	0.00	802810.25
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	9826.80	0.00	9826.80	16560.00	5424393.60	0.00	5424393.60
10	Fire tracing	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
	Total	**139.27**	**45619.28**	**315975.00**	**361594.28**	**76877.04**	**25181843.22**	**174418200.00**	**199600043.22**
	Contingency 3%		0.00	10847.83	10847.83		0.00	5988001.30	5988001.30
	Labour Welfare 4%		0.00	14463.77	14463.77		0.00	7984001.73	7984001.73
	Grand Total	**139.27**	**45619.28**	**341286.60**	**386905.88**	**76877.04**	**25181843.22**	**188390203.03**	**213572046.25**
C. Second Year Operation									
1	Purchesing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	15318000.00	15318000.00
2	2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	9096.34	650.00	9746.34	15329.04	5021180.34	358800.00	5379980.34
3	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1454.37	0.00	1454.37	2450.88	802810.25	0.00	802810.25
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
5	Fire tracing	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
	Total	**70.71**	**23161.77**	**28400.00**	**51561.77**	**39031.92**	**12785295.72**	**15676800.00**	**28462095.72**
	Contingency 3%		0.00	1546.85	1546.85		0.00	853862.87	853862.87
	Labour Welfare 4%		0.00	2062.47	2062.47		0.00	1138483.83	1138483.83
	Grand Total	**70.71**	**23161.77**	**32009.32**	**55171.09**	**39031.92**	**12785295.72**	**17669146.70**	**30454442.42**
D. Third Year Operations									
1	One weeding. 1 soil working (1.50MD per 100 seedlings)	16.67	5460.43	0.00	5460.43	9201.84	3014154.71	0.00	3014154.71
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
3	Fire trenching	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
	Total	**55.17**	**18071.49**	**0.00**	**18071.49**	**30453.84**	**9975459.83**	**0.00**	**9975459.83**
	Contingency 3%		0.00	542.14	542.14		0.00	299263.79	299263.79
	Labour Welfare 4%		0.00	722.86	722.86		0.00	399018.39	399018.39
	Grand Total	**55.17**	**18071.49**	**1265.00**	**19336.49**	**30453.84**	**9975459.83**	**698282.19**	**10673742.02**
E. Fourth Year Operations									
1	Fire trenching	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24

2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
	Total	**38.50**	**12611.06**	**0.00**	**12611.06**	**21252.00**	**6961305.12**	**0.00**	**6961305.12**
	Contingency 3%		0.00	378.33	378.33		0.00	208839.15	208839.15
	Labour Welfare 4%		0.00	504.44	504.44		0.00	278452.20	278452.20
	Grand Total	**38.50**	**12611.06**	**882.77**	**13493.83**	**21252.00**	**6961305.12**	**487291.36**	**7448596.48**
F. Fifth Year Operations									
1	Fire trenching	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
	Total	**38.50**	**12611.06**	**0.00**	**12611.06**	**21252.00**	**6961305.12**	**0.00**	**6961305.12**
	Contingency 3%		0.00	378.33	378.33		0.00	208839.15	208839.15
	Labour Welfare 4%		0.00	504.44	504.44		0.00	278452.20	278452.20
	Grand Total	**38.50**	**12611.06**	**882.77**	**13493.83**	**21252.00**	**6961305.12**	**487291.36**	**7448596.48**
G. Sixth Year Operations.									
1	Fire trenching	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
	Total	**38.50**	**12611.06**	**0.00**	**12611.06**	**21252.00**	**6961305.12**	**0.00**	**6961305.12**
	Contingency 3%		0.00	378.33	378.33		0.00	208839.15	208839.15
	Labour Welfare 4%		0.00	504.44	504.44		0.00	278452.20	278452.20
	Grand Total	**38.50**	**12611.06**	**882.77**	**13493.83**	**21252.00**	**6961305.12**	**487291.36**	**7448596.48**
H. Seventh Year Operations									
1	Fire trenching	2.00	655.12	0.00	655.12	1104.00	361626.24	0.00	361626.24
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	11955.94	0.00	11955.94	20148.00	6599678.88	0.00	6599678.88
	Total	**38.50**	**12611.06**	**0.00**	**12611.06**	**21252.00**	**6961305.12**	**0.00**	**6961305.12**
	Contingency 3%		0.00	378.33	378.33		0.00	208839.15	208839.15
	Labour Welfare 4%		0.00	504.44	504.44		0.00	278452.20	278452.20
	Grand Total	**38.50**	**12611.06**	**882.77**	**13493.83**	**21252.00**	**6961305.12**	**487291.36**	**7448596.48**

(A.L. Sonkusare)
Divisional Forest Officer,
Chandrapur Forest Division,
Chandrapur

ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.				Expenditure for 552 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)
1	Pre-Monsoon works	305.82	101024.3992	350	101374.3992	168812.64	94158268.36	193200	100956071.14
2	First Year Operation	139.27	45619.28	341286.60	386905.88	76877.04	25181843.22	188390203.03	213572046.25
3	Second Year Operation	70.71	23161.77	28400.00	51561.77	39031.92	12785295.72	15676800.00	30454442.42
4	Third Year Operation	55.17	18071.49	1265.00	19336.49	30453.84	9975459.83	698282.19	10673742.02
5	Fourth Year Operation	38.50	12611.06	882.77	13493.83	21252.00	6961305.12	487291.36	7448596.48
6	Fifth Year Operation	38.50	12611.06	882.77	13493.83	21252.00	6961305.12	487291.36	7448596.48
7	Sixth Year Operation	38.50	12611.06	882.77	13493.83	21252.00	6961305.12	487291.36	7448596.48
8	Seventh Year Operation	38.50	12611.06	882.77	13493.83	21252.00	6961305.12	487291.36	7448596.48
	Total								**385450687.74**

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