

COMPENSATORY AFFORESTATION SCHEME

Sakhari-Irrawati Col Mines

Model No. 3

Division: Central Chanda, Chandrapur
Range: Ballarsha
Round: Manora
Beat: Manora
Copartment No. : 451 & 452

Total Area (Ha.): 24.14
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 406.46
Periferal Length (meter): 2684.00

Sr. No.	Particulars of works	Expenditure per ha.			Expenditure for 24.14 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	406.46	50.00	456.46	24.14	9811.94	1207.00	11018.94
	b. Preparation of treatment map (100 m 50 m grid)	1.00	406.46	50.00	456.46	24.14	9811.94	1207.00	11018.94
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	4064.60	50.00	4114.60	241.40	98119.44	1207.00	99326.44
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	12600.26	0.00	12600.26	748.34	304170.28	0.00	304170.28
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	1219.38	100.00	1319.38	72.42	29435.83	2414.00	31849.83
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	74626.06	0.00	74626.06	4432.10	1801472.99	0.00	1801472.99
5	Chaining And Fencing 4400 Mtr 1200 per rmt	170.00	69098.20	11755.07	80853.27	4103.80	168030.55	283767.39	1951797.94
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	1174.67	50.00	1224.67	69.76	28356.52	1207.00	29563.52
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	29805.71	0.00	29805.71	1770.19	719509.88	0.00	719509.88
	Total	475.82	193401.80	12055.07	205456.87	11486.29	4668719.38	291009.39	4959728.77
	Contingency 3%								148791.86
	Labour Welfare 4%								198389.15
	Grand Total	475.82	193401.80	12055.07	205456.87	11486.29	4668719.38	291009.39	5306909.79

B. First Year Operation									
1	Purchasing Tall Plants 1333 per Ha. @250 Per Plant	0.00	0.00	333250.00	333250.00	0.00	0.00	8044655.00	8044655.00
2	Refilling of pits with good quality soil	18.44	7495.12	9500.00	16995.12	445.14	180932.25	229330.00	410262.25
3	a) 1.66 MD per 100 pits								
4	b) 20% soil replacement, 20 cum per ha Rs 300 per cum								
5	c) Filling 5% farm yard manure in pits 5cum per ha Rs 700 per cum								
6	3 Sowing of seeds on CCT 1200 rmt 5 kg per ha @ Rs 50 per Kg	12.00	4877.52	325.00	5202.52	289.68	117743.33	7845.50	125588.83
7	4 Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	5853.02	0.00	5853.02	347.62	141292.00	0.00	141292.00
8	5 Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	7767.45	0.00	7767.45	461.32	187506.26	0.00	187506.26
9	6 3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling	38.88	15803.16	650.00	16453.16	938.56	381488.40	15691.00	397179.40
10	7 Purchasing 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	669885.00	669885.00

8 Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1804.68	0.00	1804.68	107.18	41565.03	0.00	43565.03
9 Watch and ward (10 months) 1 watcher per 10 ha	30.00	12193.80	0.00	12193.80	724.20	294158.33	0.00	294358.33
10 Fire tracing	2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
Total	139.27	56607.68	371475.00	428082.68	3361.98	1366409.50	8967406.50	10333916.00
Contingency 3%								310017.48
Labour Welfare 4%								413356.64
Grand Total	139.27	56607.68	371475.00	428082.68	3361.98	1366409.50	8967406.50	11057290.12

C. Second Year Operation

1 Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	669885.00	669885.00
2 2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	11287.39	650.00	11937.39	670.37	272477.70	15691.00	288168.70
3 Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1804.68	0.00	1804.68	107.18	43565.03	0.00	43565.03
4 Watch and ward 12 months 1 watcher 10.00 ha	36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
5 Fire tracing	2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
Total	70.71	28740.79	28400.00	57140.79	1706.94	693802.59	685576.00	1379378.59
Contingency 3%								41381.36
Labour Welfare 4%								55175.14
Grand Total	70.71	28740.79	28400.00	57140.79	1706.94	693802.59	685576.00	1475935.09

D. Third Year Operations

1 One weeding, 1 soil working (1.50MD per 100 seedlings)	16.67	6775.69	0.00	6775.69	402.41	163565.11	0.00	163565.11
2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
3 Fire tracing	2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
Total	55.17	22424.40	0.00	22424.40	1331.80	541324.97	0.00	541324.97
Contingency 3%								16239.75
Labour Welfare 4%								21653.00
Grand Total	55.17	22424.40	0.00	22424.40	1331.80	541324.97	0.00	579217.72

E. Fourth Year Operations

1 Fire tracing	2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%								11332.80
Labour Welfare 4%								15110.39
Grand Total	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

F. Fifth Year Operations

1 Fire tracing	2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%								11332.80
Labour Welfare 4%								15110.39
Grand Total	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

G. Sixth Year Operations.

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1 Fire trenching		2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha		36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%									11332.80
Labour Welfare 4%									15110.39
Grand Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

H. Seventh Year Operations									
1 Fire trenching		2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha		36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%									11332.80
Labour Welfare 4%									15110.39
Grand Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

I. Eighth Year Operations									
1 Fire trenching		2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha		36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%									11332.80
Labour Welfare 4%									15110.39
Grand Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

J. Ninth Year Operations									
1 Fire trenching		2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha		36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%									11332.80
Labour Welfare 4%									15110.39
Grand Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

K. Tenth Year Operations									
1 Fire trenching		2.00	812.92	0.00	812.92	48.28	19623.89	0.00	19623.89
2 Watch and ward 12 months 1 watcher 10.00 ha		36.50	14835.79	0.00	14835.79	881.11	358135.97	0.00	358135.97
Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86
Contingency 3%									11332.80
Labour Welfare 4%									15110.39
Grand Total		38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	404203.05

21248774.06

9943991.89

9514675.46

24392.75

822645.71

411930.07

410745.64

1010.47

C. S. S. P. Pandey
Asstt. Conservator of Forest
Central Chanda Dn. Chandrapur.

C. A. D. Mandher
Dy. Conservator of Forests
Central Chanda Forest Division
Chandrapur

(Sanjiv Chape)
Range Forest Officer
Ballarsha

ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.				Expenditure for 24.14 ha.						
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	Grand Total
1	Pre-Monsoon works	475.82	193401.7972	12055.07	205456.8672	11486.29	4668719.38	291009.39	4959728.77	148791.8632	198389.151	5306909.79
2	First Year Operation	139.27	56607.6842	371475.00	428082.6842	3361.98	1366509.50	8967406.50	10333916.00	310017.4799	413356.6399	11057290.12
3	Second Year Operation	70.71	28740.7866	28400.00	57140.7866	1706.94	693802.59	685576.00	1379378.59	41381.35766	55175.14354	1475935.09
4	Third Year Operation	55.17	22424.3982	0.00	22424.3982	1331.80	541324.97	0.00	541324.97	16239.74918	21652.9989	579217.72
5	Fourth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
6	Fifth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
7	Sixth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
8	Seventh Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
9	Eighth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
10	Ninth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
11	Tenth Year Operation	38.50	15648.71	0.00	15648.71	929.39	377759.86	0.00	377759.86	11332.79578	15110.39438	404203.05
		1010.47	410715.64	411930.07	822645.71	24392.75	9914675.46	9943991.89	19858667.35	595760.02	794346.69	21248774.06
											Grand Total	21248774.00


 Dy. Conservator of Forests
 Central Chanda Forest Division
 Chandrapur


 Asstt. Conservator of Forests
 Central Chanda Forest Division
 Chandrapur

Range Forest Officer
 Ballarsha