

SCHEME FOR COMPENSATORY AFFORESTATION

**In lieu of
Diversion of 1.97 ha of Forest land against
M/s Karma Re Rollers Pvt. Ltd, Dist. Cuttack, Odisha**

**(Non Forest land Selected for Compensatory Afforestation over 1.97 ha in
Village Belapada under Baramba Forest Range)**

Prepared by

**Divisional Forest Officer,
Athagarh Forest Division**

CHAPTER- VI

COST STRUCTURE, OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION

A. ESTIMATE OF COST

PER HECTARE COST NORM FOR BLOCK PLANTATION						
1600 PLANTS / Ha at Wage rate KRss.,200 / Day						
Sl.No.	Item of work	Preferable Period of Execution	Mandays	Labour Cost @ Rs. 200/-	Material Cost in Rs.	Total Cost in Rs.
1	2	3	4	5	6	7
	0th year(Pre-planting operation)					
1	Survey, demarcation & pillar posting	Nov/Dec	2	400	0	400
2	Site preparation	Nov/Dec	8	1600	0	1600
3	Alignment and stacking of pits	Jan/Feb	2	400	0	400
4	Digging of pits (30 cm cube)	Feb/Mar	40	8000	0	8000
	Sub Total		52	10400	0	10400
	1st year /Planting year					
5	Procurement & Transport of seeding	Jul	0	0	21120	21120
6	Carriage & Planting including casualty replacement, application of manure insecticide etc.	Jul/Aug	21	4200	0	4200
7	1 st weeding (complete weeding)	Aug/Sep	7	1400	0	1400
8	Cost of fertilizer and insecticide(a)NPK (150 gms/plant as basal dose=80kg@Rs24/- Kg =Rs. 1920.00(b)Urea @70gms/plant in two subsequent doses @Rs. 6/-per kg Rs 672.00 (c)Granular insecticide @5 gms/plant @80/- per kg =Rs.640.00	Aug/Sep	0	0	3232	3232
9	Manuring Urea 35 gms	Aug/Sep	5	1000	0	1000
10	2 nd Weeding (complete weeding)	Sep/ Oct	5	1000	0	1000
11	Soil working (50 cms radius around plants) &manuring Urea 35 gms/plant	Sep/Oct	7	1400	0	1400
12	Soil conservation measures in the form of Straggered trenches of size 2 mx0.5 Mx0.5 m @30 nos per ha	Sep/Oct	10	2000	0	2000
13	Fire line tracing and inspection path	Feb/Mar	3	600	0	600
14	Watch & Ward	Aug/Mar	7	1400	0	1400
	Sub Total		65	13000	24352	37352
	2nd year Maintenance					
15	Casualty replacement (10%) including Carriage and planting	July/Aug	4	800	0	800
16	Weeding (Complete weeding)	Sep/Oct	6	1200	0	1200
17	Soil working (50 cms. radius around plants)	Oct/Nov	7	1400	0	1400

18	Cost of fertilizer & insecticide a) NPK @70 gms/plant (RS24/- per kg) for 1600 plants = RS 2688.0 b) Granular insecticide @ 5 gms/plant for 160 plants=800 gms @80/- per kg = RS. 64.00		0	0	2752	2752
19	Application of fertilizer and insecticide	Sep/oct	4	800	0	800
20	Fire line tracing (2 m. wide fire line over 400 m long)	Feb/Mar	3	600	0	600
21	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		39	7800	2752	10552
	3rd year Maintenance					
22	Wedding (complete wedding)	Aug/Sep	7	1400	0	1400
23	Cost of fertilizer (NPK@ 50 gms/plant @RS.24/- per kg		0	0	1920	1920
24	Soil working (50 cms.Radius around Plants) and application of fertilizer	Oct/Nov	7	1400	0	1400
25	Fire line tracing (2 m wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0	600
26	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		32	6400	1920	8320
	4th year Maintenance					
27	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	600	0	600
28	Watch & \ward	Feb/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	5th year Maintenance					
29	Fire line tracing (2 m wide fire over 400 m length)	Feb/Mar	3	600	0	600
30	Watch Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	6th year Maintenance					
31	Fire line tracing (2m wide fire line over 400 m length)	Feb/Mar	3	600	0	600
32	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	7th year Maintenance					
33	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	600	0	600
34	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	8th year Maintenance					
35	Fire line tracing (2 m wide fire line Over 400 m length)	Feb/Mar	3	600	0	600
36	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	9th year Maintenance					
37	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	600	0	600
38	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600

	10 th year Maintenance					
39	Fire line tracing (2 m wide fire line over	Feb/Mar	3	600	0	600
40	Watch & Ward	Apr/Mar	15	3000	0	3000
	Sub Total		18	3600	0	3600
	Grand Total		314	62800	29024	91824

ABSTRACT

	YEAR	Mandays	Labour cost @ RS.200/-	Material cost in Rs.	Total cost in Rs.
	0 th Year	52	10400	24352	10400
	1 st Year	65	13000	2752	37352
	2 nd year Maintenance	39	7800	1920	10552
	3 rd year Maintenance	32	6400	0	8320
	4 th year Maintenance	18	3600	0	3600
	5 th year Maintenance	18	3600	0	3600
	6 th year Maintenance	18	3600	0	3600
	7 th year Maintenance	18	3600	0	3600
	8 th year Maintenance	18	3600	0	3600
	9 th year Maintenance	18	3600	0	3600
	10 th year Maintenance	18	3600	0	3600
	Grand Total	314	62800	29024	91824
Total Cost Norm per Ha.					

B. ESTIMATE OF COST FOR THE COMPENSATORY AFFORESTATION SCHEME

Description	Unit	Unit Cost (in Rs.)	Total Cost (in Rs.)
Compensatory Plantation over 1.97 Ha.	Ha.	91824.00	1,80,890.00
Total			1,80,890.00
Add 20% escalation			36,178.00
Grand Total			2,17,068.00
			Or Rs. 2,17,100.00

C. PROVISION OF FUNDS AND FUND UTILIZATION

Rs.2, 17,100/- (Rupees Two lakhs seventeen thousand and one hundred) only shall be deposited by the Head, M/s Karma Re-Rollers Pvt. Limited on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Athagarh on allotment by Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

CHAPTER- VII

DETAILS OF PROPOSED MONITORING MECHANISM

Compensatory Afforestation will be taken up in the identified site by the Range Officer, Baramba under Athagarh Division. The Range Forest Officer, Baramba Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator of Forests and Divisional Forest Officer, Athagarh Division. GPS coordinates along with other required information of Compensatory Afforestation will be uploaded in the e-Green watch Portal of NIC, MoEF, Govt. of India for the purpose of online monitoring. Annual progress of plantation involving growth of planted seedlings, survival percentage etc. will be monitored and recorded in the plantation journal by the field staffs of Baramba Range and reported to the Divisional Forest Officer for necessary action. The same thing will be reported to the Regional Chief Conservator of Forests, Angul Circle and Chief Conservator of Forests (PP&A), O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar and necessary corrective measures will be followed if required so.

Prepared by.

**Divisional Forest Officer
Athagarh Forest Division**