

**Detailed write-up on compensatory afforestation scheme in
Rajanna-Sircilla District.**

1. Introduction of the C A scheme:

The Superintending Engineer (R&B) Circle, Karimnagar has submitted the proposals for formation of road from Manala to Marrimadla Road from Km 1/0 to 9/0 & Improvements to Mendora crossing to Rudrangi Via Manala road from Km 29/7 to 30/5 in Rajanna Sircilla District. The Non-Forest land identified for Compensatory Afforestation has been identified to an extent of 10.841 Ha in Sy.No. 116/1/3 and 117/1/2 (10.238 Ha and 0.623 Ha) of Govt Land situated at Kondapur Village of Konaraopet Mandal of Chandurthi Mallial Range of Rajanna Sircilla district. The details are as follows.

Sl. No	Name of Range	Name of the Project	Forest Area in Ha.	C A Area in Ha.
1	2	3	4	5
1	Chandurthi Mallial	Formation of road from Manala to Marrimadla Road from Km 1/0 to 9/0 & Improvements to Mendora crossing to Rudrangi Via Manala road from Km 29/7 to 30/5	10.841	10.841

2. The Details of Non-Forest Land Identified to be proposed formation and improvement of road:

In accordance with the Forest (Conservation) Act, 1980 raising Compensatory Afforestation is necessary in lieu of forest area proposed to be diverted for non-forestry purpose. The total area of Non-Forest land is identified to an extent of 10.841 Ha in Sy.No. 116/1/3 and 117/1/2 (10.238 Ha and 0.623 Ha) of Govt Land situated at Kondapur Village of Konaraopet Mandal of Chandurthi Mallial Range of Rajanna Sircilla district. The undersigned along with Forest Range Officer, Ch.Mallial and EE (R&B) staff inspected the sites on 18.09.2021.

3. Suitability of the Area of Non - Forest Land:

The identified Non- Forest Land is on small hill, boulders and rocky at South East side and the entire area is having full of tree growth such as Chloroxylon swietenia (Satin), Diospyros melanoxylon (Tuniki), Butea monosperma (Modhuga), Albizia amara (Narlinga), Alstonia scholaris(Choppari) and Tectona grandis (Teak) etc.,. As per guidelines 12044 plants are to be planted. As per the field feasibility 2710 plants proposed in Non-Forest Land under Barren Hill Afforestation and 9334 plants proposed in Degraded Forest Land under Semi Mechanical Method in Compt.No.172/1 of Konaraopet East Beat of Konaraopet Section of Chandurthi Mallial Range of Rajanna Sircilla District. Accordingly, the CA scheme is prepared for raising NTSH species

with 10 years of maintenance along with raising and maintenance of nursery. The area will be protected by digging of peripheral trench and taking up SMC works from ridge to vally concept to arrest the Soil erosion by executing SMC works like check dams, STs in order to increase the Forest cover. Watering and importing of soil is also provided in the Scheme.

4. Project Implementation Agency:

The District Forest Officer, Rajanna Sircilla & Karimnagar will be the Project Implementation Agency and work will be taken up through Forest Range Officers of this District. The miscellaneous works i.e, Cost of caution boards, Photos at every site and one watcher is to be required for protection of the areas.

5. MONITORING MECHANISM:-

The District Forest Officer, Rajanna Sircilla and Chief Conservator of Forests, Karimnagar Circle, Karimnagar will closely monitor the implementation of CA scheme by regular inspections and ensuing maintenance of connected records like Nursery journals, plantation journal, cash books, Work register, measurement Books etc.. Monthly progress of planting and maintenance along with expenditure will be submitted to the Prl.CCF, TS,Hyd and other Senior Officers of Forest Department Telangana and Chief Conservator of Forests (Central) Bangalore will also be monitoring the implementation of CA scheme.

6. Period of the scheme: -

Period of the scheme is for (13) years, Proposed 1st year take up the Raising of nursery, 2nd year take up the Advance operations for Raising of plantation and SCTs, 3rd year take up the Raising of plantation and digging of CPT and remaining 10 years take up the maintenance of plantation and SMC works like check dams. The scheme period commencing from 2021-22 to 2033-34.

a) Boundary Protection of CA lands: following activities are proposed:

- i. **Peripheral Trench:** In order to reduce biotic interference and to increase the protection of the forests, RF boundary trench (Top width:2M, Bottom width 1.50M, Depth:2M) is proposed for a total length of 2.00 Km.
- ii. **Boundary Pillars:** RCC boundary pillars are proposed to demarcate between the forest and non-forest land
- iii. **Fencing/Compound wall:** Where ever boundary trench is not possible chainlink or barbed wire fencing/compound wall with a gate is proposed

b) administration monitoring and a infrastructure cost:

- i) Purchase of GNSS, Computers and other equipments etc.
- ii) Purchase of fire fighting equipment.
- iii) Electricity and water cost such as Drilling of borewell and fixing of pump etc.,

7. Cost Structure:

The cost of the scheme is worked out by adopting present F.S.R. of 2021-22 with escalation of 10% in every succeeding year. Wherever provisions are not available, permission will be obtained from the Conservator of Forests, Karimnagar Circle, Karimnagar for adopting new items or rates. The total year wise cost structure of the project to an extent of 10.841 Ha., as shown above. The details of requirement funds and year wise action plan given below. The unit cost of different planting techniques is shown below.

Sl. No.	Year	Amount Rs. in Lakhs under NFL	Amount Rs. in Lakhs under DFL	Total Amount Rs. in Lakhs
1	2021-22	10.889	2.243	13.132
2	2022-23	48.425	8.769	57.194
3	2023-24	19.582	27.568	47.15
4	2024-25	5.594	13.831	19.425
5	2025-26	8.95	8.593	17.543
6	2026-27	2.707	3.349	6.056
7	2027-28	2.967	5.31	8.277
8	2028-29	0.668	1.608	2.276
9	2029-30	0.324	1.759	2.083
10	2030-31	0.704	2.107	2.811
11	2031-32	0.371	2.107	2.478
12	2032-33	0.83	2.308	3.138
13	2033-34	0.366	2.538	2.904
	Total	102.377	82.091	184.468


 District Forest Officer,
 Rajanna Sircilla & Karimnagar