

SCHEME PROPOSALS FOR
COMPENSATORY AFFORESTATION

OVER 28.45 Ha. NON FOREST LAND

IN
NIRMAL DIVISION

IDENTIFIED BY THE USER AGENCY i.e.,
PANCHAYATI RAJ DEPARTMENT.
HYERABAD.

IN LIEU OF
DIVERSION OF FOREST LAND
FOR PROPOSED ROAD OF AN AREA OF 28.45 Ha.
IN NIRMAL FOREST DIVISION
FOR PANCHAYATI RAJ DEPARTMENT
HYDERABAD.

1.0 INTRODUCTION

The Panchayati Raj Department Hyderabad has identified Patta land for Compensatory Afforestation in Sy.No. 67/1 for Proposed Road of an area of 28.45 Ha in Nirmal Forest Division, for Panchayati Raj Department, Hyderabad. Accordingly the non forest land identified by the user agency is suitable for Compensatory Afforestation and the area is totally plain black soil. The location of the proposed CA area is falling in the core area of the Kawal tiger Reserve.

The area is suitable for plantation and moisture conservation works (RFDs), Solar bore well with PT, Mini Percolation Tanks, SCTs are required.

The following Compensatory Afforestation proposed as follows.

- I. (i) Village : Venkatapur
(ii) Sy. No. : 67/1
(iii) Area taken over : 28.45 Ha.
(iv) Name of the RF adjacent : Kollur
(v) Distance from RF to land : 15.00

Hence proposals have been prepared with a cost of Rs. **563.993** Lakhs. The year wise scheme proposals are as hereunder :

Sl. No.	Year	Financial (Rs.in Lakhs)
1	2021-22	16.64738
2	2022-23	261.86397
3	2023-24	97.72745
4	2024-25	74.48806
5	2025-26	45.19006
6	2026-27	8.55580
7	2027-28	6.17511
8	2028-29	10.34777
9	2029-30	5.87827
10	2030-31	11.46748
11	2031-32	6.78074
12	2032-33	11.08585
13	2033-34	7.78563
	Total	563.99356

This scheme will be monitored through the machinery of Forest Department at various levels.

The Compensatory Afforestation scheme is prepared over an area of 28.45 Ha. for a period of 13 years basing on the Forest Schedule of Rates for the year 2020-21 of Zone-II of Telangana Forest Department with an escalation of 10% for 2021-22.

2.0 AIMS AND OBJECTIVES:

To create small timber and fuel wood resources to meet the needs of the local public.

To fulfill the above objectives, it is proposed to take up the afforestation over an area proposed for diversion for non-forestry purpose, i.e., 28.45 Ha. The plantations will be taken up with the species like Hardwood species etc.

3.0 ELEMENTS OF THE PROJECT

3.1 Details of the lands identified for raising compensatory afforestation are as follows.

Sl. No.	Division	Range	Mandal	Sy. No.	Village	Area proposed
1	Nirmal	Bhainsa	Mudhole	67/1	Venkatapur	28.45 Ha

3.2 NAME OF THE SCHEME

Compensatory Afforestation

3.3 SITUATION

- 1) The proposed Compensatory Afforestation area is situated in Venkatapur of Mudhole Mandal is fit for CA scheme.

3.4 GEOLOGY

The geology of the proposed area for Compensatory Afforestation is Sub-Cretaceous – Eocene – Deccan Trap, Late Precambrian – Salluvai series, Archaean Granites, Gneisses and schists.

3.5 SOIL

The soils of area proposed for Compensatory Afforestation area is plain Black Cotton soil which is suitable for raising of Hardwood species.

3.6 CLIMATE :

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises upto 47 degree centigrade. Summer and winter are separated by prolonged rainy season. The area is served by South-West Monsoon. However, Cyclonic rains are common during October – December.

3.7 RAINFALL :

Rainfall is mostly from the Southwest monsoon, cyclonic rains during October – December are quite common. The normal rainfall in a year ranges from 1000 mm to 1100 mm. The average rainfall for the past (12) years is 1051 mm.

3.8 EXISTING VEGETATION:

The area is having shrub vegetation of *Diospyros Melanoxylon*, *Terminalia tomentosa*, *Tectona grandis*, *Butea monosperma*, *Boswellia serrata*, *Azadiracta indica*, *Madhuca indica*, *Vagumadd*, *Palakodisa*, *Togari mogali* etc.

3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:

The afforestation programme will be implemented by the Telangana Forest Department through the Forest Divisional Officer.

3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

The details of work schedule proposed for compensatory afforestation year wise is as follows.

2021-22	i.	Raising of Bag plant
	ii.	Infrastructure for Nursery
	iii.	Digging of SCTs
	iv.	Construction of RFDs
	v.	Solar bore well with PT
	vi.	Mini Percolation Tank
2022-23	i.	Construction of Boundary Pillars
	ii.	Fencing with Chain link
	iii.	Construction of Protection hut with Gate
	iv.	Formation of New Fire lines
	v.	Inspection path
	vi.	Maintenance of Fire lines
	vii.	Infrastructure for Nursery
	viii.	Maintenance of Bag plant Nursery
	ix.	Raising of SMM Plantation
	x.	Raising of LIM Plantation
	xi.	Raising of Dense Plantation
	ix.	Stabilization of SCTs by planting Medicinal plants
	x.	Cultural Operation
	xi.	Bamboo Nala Planting

2023-24	i. Maintenance of Fire lines ii. Cultural Operation iii. Maintenance of SMM Plantation iv. Maintenance of LIM Plantation v. Maintenance of Dense Plantation
2024-25	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation v. Maintenance of Inspection Paths
2025-26	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation
2026-27	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation
2027-28	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation v. Maintenance of Inspection Paths
2028-29	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation
2029-30	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation
2030-31	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation v. Maintenance of Inspection Paths
2031-32	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation \
2032-33	i. Maintenance of Fire lines ii. Maintenance of SMM Plantation iii. Maintenance of LIM Plantation iv. Maintenance of Dense Plantation v. Maintenance of Inspection Paths

2033-34

- i. Maintenance of Fire lines
- ii. Maintenance of SMM Plantation
- iii. Maintenance of LIM Plantation
- iv. Maintenance of Dense Plantation

3.11 COST STRUCTURE:

A compensatory afforestation scheme for Rs.**563.993** Lakhs is prepared and the year wise expenditure mentioned at introduction part.

This scheme will be monitored through the machinery of Forest Department at various levels.

Thus the total cost for the Compensatory Afforestation Scheme comes to. **Rs. 563.993** Lakhs as per Appendix I.

SCHEME COMPONENT:

The area identified for Compensatory Afforestation area is plain black cotton soil.

. It is proposed to take up afforestation with Labour Intensive Method, which comprises of clearance of unwanted growth, heaping the bushes, ploughing with heavy duty tractor, taking up afforestation with species like Hardwood etc. Protect the plantation with SCTs, watch and ward from fire by way of control, burning of the fire lines. The plantation would be maintained for (10) years after planting.

4.1 COST STRUCTURE OF PLANTATIONS :

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of planting stock and the plantation details is appended (**Appendix-I**).

The following number of plants are proposed to be planted in CA NFL Area.

Sl.No	Type of planting	Area/Km	No of plants
1	SCT Bund stabilization	2000 No's	14000
2	Bamboo Nala Planting	1 Km	400
3	Dense Planting	1 Ha	10,000
4	SMM Planting	9 Ha	9999
5	LI Plants	4 Ha	4444
Total			38,843

4.2 PROVISION OF FUNDS :

The funds for the Compensatory Afforestation have to be deposited by the user agency i.e., The Panchayati Raj Department, Hyderabad in favour of Telangana Forest Department. These funds will be utilized by the Forest Divisional Officer Nirmal for raising plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

4.0 PLANTING TARGETS AND STAFF REQUIREMENT :

The area identified non forest land for Compensatory Afforestation in Sy.No. 67/1 Venkatapur village of Mudhole mandal Jurisdiction of Forest Divisional Officer, Nirmal.

5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING :

The amount proposed towards office expenses, contingent expenses are appended (Appendix-I)

5.2 CAPITAL EXPENDITURE NON – RECURRING

The amount is proposed towards non-recurring expenditure (Appendix-I)

5.3 SCHEME PERIOD :

This scheme will be implemented over a period of (13) years commencing from 2021-22. The details of cash flow required for the entire project period for recurring and non recurring expenditure is furnished in Appendix-I.

5.4 DETAILS OF PROPOSED MONITORING MECHANISM:

The Chief Conservator of Forests / Field Director, Project Tiger Reserve, Nirmal and District Forest Officer, Nirmal shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


Forest Divisional Officer
Nirmal.


District Forest Officer
Nirmal