

CA SCHEME

PROJECT: Installation of 220KV DC Line from 400/200KV SS Nirmal to the proposed 220/132KV SS Utnoor in Nirmal District under Thermal Power Transmission Scheme for evacuation of power from 4 X 270 Mw units at Nirmal

CA LOCATION: Compt No. 148 of Pothapally beat of Chedwai Section of Penchikalpet Range of **Kaghaznagar Division** of RF Block Kadamba

CA AREA: Double Degraded Forest Land to an extent of 19.577 Ha

USER AGENCY: Superintending Engineer, OMC Circle, TS
Transco, Adilabad

Division : Kaghaznagar Division

District : KOMRAMBHEEM - ASIFABAD

CA Scheme For Double Degraded Forest Land to an extent of 19.577 Ha identified in Compt No. 148 of Pothapally beat of Chedwai Section of Penchikalpet Range of Kaghaznagar Division of RF Block Kadamba in lieu of Diversion of 9.7887 Ha of Forest Land in Nirmal Division for erection of 220KV DC Line from 400/200KV SS Nirmal to the proposed 220/132KV SS Utnoor in Nirmal District under Thermal Power Transmission Scheme for evacuation of power from 4 X 270 Mw units at Nirmal in favour of Superintending Engineer, OMC Circle, TS Transco, Adilabad

1.0 INTRODUCTION :

The Superintendent Engineer, OMC / Metro West / TSTRANSCO, Adilabad has submitted the proposals for diversion of 9.7887 Ha of Forest Land in Nirmal Division for erection of 220KV DC Line from 400/200KV SS Nirmal to the proposed 220/132KV SS Utnoor in Nirmal District under Thermal Power Transmission Scheme for evacuation of power from 4 X 270 Mw units at Nirmal in lieu of the Reserve Forest area to be diverted in Nirmal Forest Division.

1.1 The Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide Rc.No.9858/2017/FCA-3/PS,dt.26.07.2017 & 02.03.2019 has requested to submit the CA scheme with 7-10 years maintenance along with coordinates in Topo Map.

Due to non-availability of suitable degraded land in Nirmal division, the land for compensatory afforestation (19.60 ha) is identified and proposed in Kaghaznagar Division at Compt No. 148 of Pothapally beat of Chedwai Section of Penchikalpet Range of Kaghaznagar Division of RF Block Kadamba for purposes of CA.

1). **Compensatory Afforestation** : The double degraded forest land to an extent of 19.60 Ha is identified for raising plantations @ 1100 plants per Ha under Semi Mechanical Method in and the details of Compensatory Afforestation scheme proposals are as follows:

Double Degraded Forest Land Area:

Sl. No.	Compt. No.	Beat	Section	Range	Total Area Ha.	Name of the RF
1	148	Pothapalli	Chedwai	Penchikalpet	19.60	Kadamba

The proposals have been prepared with a cost of **Rs. 137.84724Lakhs**. The year wise scheme proposals are annexed.

This scheme will be implemented and monitored by the Forest Department at various levels.

The Compensatory Afforestation is prepared over an area of **19.60** Ha of Double Degraded Forest Land basing on the Forest Schedule of Rates for the year 2019-20 of Zone-II with an escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2019-20.

2.0 AIMS AND OBJECTIVES

The objectives of the scheme are as follows:

- 2.1 For regeneration of Forest which is lost due to the above said project.
- 2.2 To compensatory loss of forest and for ecological balance.
- 2.3 To fulfil broader objective of sustainable environmental conservation for the general good of the people.

3.0 ELEMENTS OF THE PROJECT

- 3.1 Details of the Degraded Forest Land is identified for raising compensatory afforestation is as follows:

3.2 LOCATION

The proposed Compensatory Afforestation area for double degraded forest land to an extent of **19.60** Ha is identified in Compt No. 148 of Pothapally beat of Chedwai Section of Penchikalpet Range of Kaghaznagar Division of RF Block Kadamba.

3.4 GEOLOGY

The geology of the area proposed for Compensatory Afforestation is Gondwana formation supporting mixed forests.

3.5 SOIL

The soil of the area proposed for Compensatory Afforestation is Sandy to morram soil.

3.6 CLIMATE

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises upto 47 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 METHOD OF RAISING PLANTATION:

a) Tehcnique: Semi Mechanical Method and Maintenance for (10) years is proposed.

b) ESPACEMENT: 3 m x3 m i.e., 1111 plants per Ha.

c) CHOICE OF SPECIES: Only local forestry species are proposed to be planted.

Maduca indica, Terminalia tomentosa, Terminalia chebula, Holoptelia integrefolia, Sommida febrifuga & Dalbergia latifolia, Buddadermi, Bamboo, All Ficus species,

Neem, Usiri, Jamoon, Albezia procera, Albezia odortissima, etc. It is proposed to procure the tall plants of above species in order to plant the species of 2.0 m (1-2 Year Old) and above from the Private Agencies for raising successful plantation.

d) PROTECTION OF THE PLANTATION: Since there is lot of biotic pressure in the area proposed for CA, Barbed wire fencing is proposed along with the protection watchers for successfully raising the plantation. Unless barbed wire fencing is provided the plantation cannot be protected and the survival will be difficult.

3.8 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

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

Sl. No.	Year	Proposed Works
1.	2020-21	Advance operations for raising plantation through Semi Mechanical method. SMC works
2.	2021-22	Raising operations under Semi Mechanical Method. SMC works
3.	2022-23	1 st Year Maintenance operations.
4.	2023-24	2 nd Year Maintenance operations.
5.	2024-25	3 rd Year Maintenance.
6.	2025-26	4 th Year Maintenance.
7.	2026-27	5 th Year Maintenance.
8.	2027-28	6 th Year Maintenance.
9.	2028-29	7 th Year Maintenance.
10.	2029-30	8 th Year Maintenance.
11.	2030-31	9 th Year Maintenance.
12.	2031-32	10 th Year Maintenance.

3.9 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs. 137.84724 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl. No.	Year	Financial (Rs.in Lakhs)
1	2020-21	32.56258
2	2021-22	49.12039
3	2022-23	13.76385
4	2023-24	13.14967
5	2024-25	6.77880
6	2025-26	7.45668
7	2026-27	5.46176

8	2027-28	4.19489
9	2028-29	1.26674
10	2029-30	1.15798
11	2030-31	1.53275
12	2031-32	1.40116
	Total	137.84724

4.0 COST STRUCTURE OF PLANTATIONS

The cost structure of Compensatory Afforestation including the cost structure for various components of raising and maintenance of plantation for Improvement of Degraded Natural Forests is appended.

4.1 PROVISION OF FUNDS

The funds for the Compensatory Afforestation have to be deposited by the user agency in favour of Telangana Forest Department by following due procedure through e-payment method by generating the Challan form the Ministry's web portal (parivesh.nic.in). These funds will be utilized by the Forest Divisional Officer, Kaghaznagar for Nurseries, Plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

4.2 OFFICE EXPENSES AND CONTINGENCIES RECURRING

The amount proposed towards Administrative cost are appended.

4.3 CAPITAL EXPENDITURE NON-RECURRING

No amount is proposed towards non-recurring expenditure.

4.4 SCHEME PERIOD

This scheme will be implemented over a period of (12) years commencing from 2020-21. The details of cash flow required for the entire project period is furnished in annexure.

4.5 DETAILS OF PROPOSED MONITORING MECHANISM

The FRO, Penchikalpet, FDO, Kaghaznagar and District Forest Officer, Komrambheem Asifabad & Conservator of Forests Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


Forest Divisional Officer
 Kaghaznagar