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CA SCHEME

PROJECT: In lieu of Diversion of 17.498 Ha Forest land for widening and strengthening of existing intermediate lane/two lane to Two lane with paved shoulders from 678+555 to Km 699+655 of Nirmal to Khanapur section of NH-61 Extended in the state of Telangana under NH (O) through EPC mode in favour of RO, MoRTH, Hyderabad.

CA LOCATION: Compt No. 101 of Kanki beat of Koutala Section of Sirpur Range of Kaghaznagar Division of RF Block Kadamba.

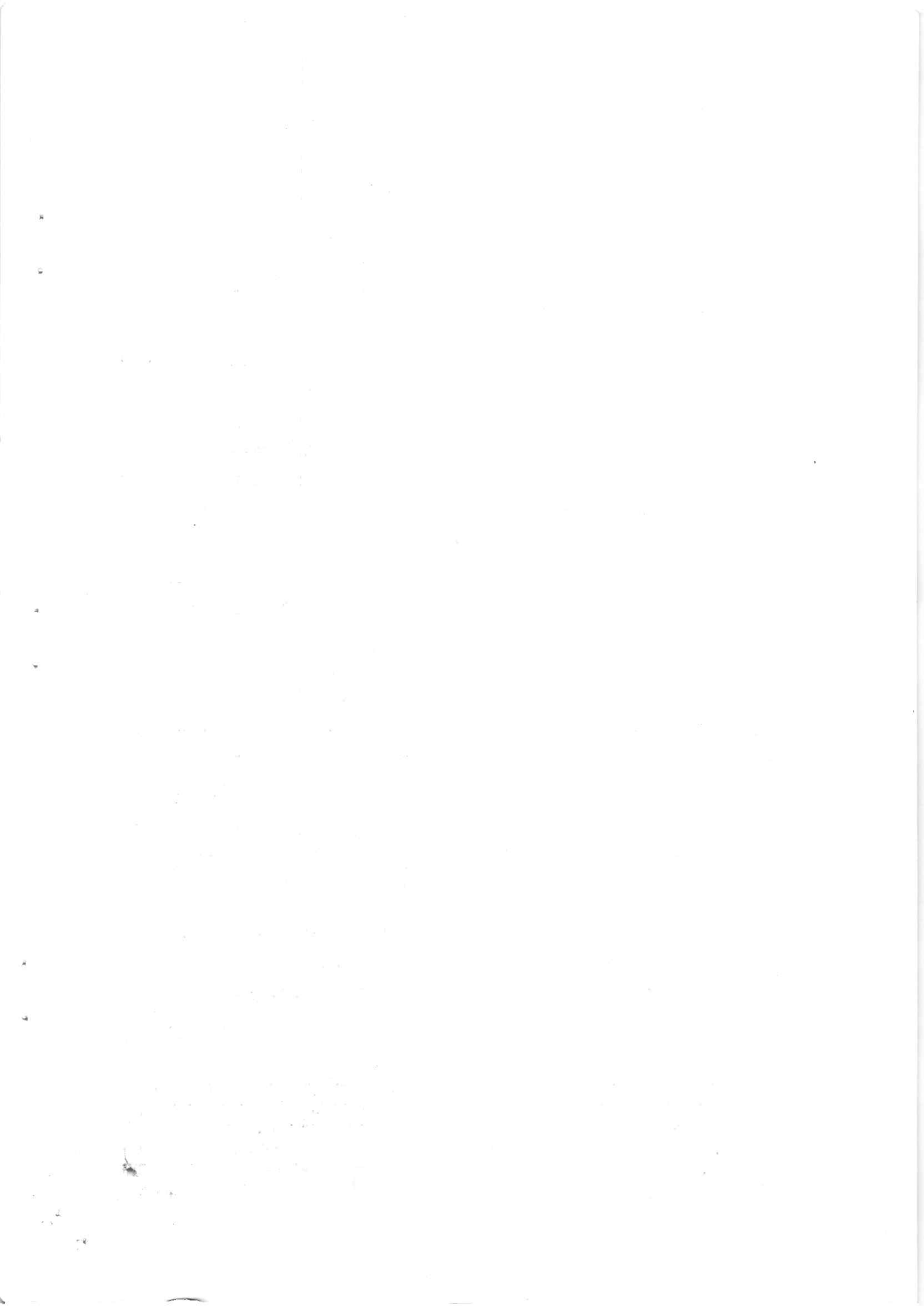
CA AREA: Double Degraded Forest Land to an extent of 35.00 Ha

USER AGENCY: RO, MoRTH, Hyderabad

Division : Kaghaznagar Division

District : KOMRAMBHEEM – ASIFABAD

Circle: Adilabad



CA Scheme for Degraded Forest Land to an extent of 35.00 Ha identified in Compt No. 101 of Kanki Beat of Koutala Section of Sirpur Range of Kaghaznagar Division of RF Block Kadamba in lieu of diversion of 17.498 Ha Forest land for widening and strengthening of existing intermediate lane/two lane to Two lane with paved shoulders from 678+555 to Km 699+655 of Nirmal to Khanapur section of NH-61 Extended in the state of Telangana under NH (O) through EPC mode in favour of RO, MoRTH, Hyderabad.

1.0 INTRODUCTION :

1.1 The Chief Conservator of Forests, Adilabad Circle, Adilabad vide Rc. No. 617/2021/M6, Dt: 26.03.2021 has requested to submit the CA scheme with 10 years maintenance along with map, field inspection noted and other documents.

Due to non availability of suitable Degraded Forest Land in Nirmal District, the land for Compensatory Afforestation is identified and proposed in Kaghaznagar Division at Compt No. 101 of Kanki Beat of Koutala Section of Sirpur Range of Kaghaznagar Division of RF Block Kadamba for purposes of CA.

1). **Compensatory Afforestation :** The double degraded forest land to an extent of 35.00 Ha is identified for raising plantations @ 1111 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	101	Kanki	Koutala	Sirpur	35.00	Kadamba

The proposals have been prepared with a cost of **Rs.230.710 Lakhs**. 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 **35.00** Ha of Double Degraded Forest Land basing on the Forest Schedule of Rates for the year 2020-21 of Zone-II with an escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2021-22.

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 **35.00 Ha** is identified in Compt No. 101 of Kanki Beat of Koutala Section of Sirpur 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) Technique: Semi Mechanical Method and Maintenance for (10) years is proposed.

b) ESPACEMENT: 3x3 Mtrs 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 raising of nursery for tall plants of above species in order to plant the species of 2.0 Mtrs (1-2 Year Old) and for raising successful plantation.

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

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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.	2021-22	Raising of nurseries & nursery Infrastructure
2.	2022-23	Maintenance & Conversion of Bag plants, Advance operations, digging of CPT & SMC works
3.	2023-24	Raising of plantation under Semi Mechanical Method & Bund stabilization
4.	2024-25	1 st Year Maintenance of plantation
5.	2025-26	2 nd Year Maintenance
6.	2026-27	3 rd Year Maintenance.
7.	2027-28	4 th Year Maintenance.
8.	2028-29	5 th Year Maintenance.
9.	2029-30	6 th Year Maintenance.
10.	2030-31	7 th Year Maintenance.
11.	2031-32	8 th Year Maintenance.
12.	2032-33	9 th Year Maintenance.
13.	2033-34	10 th Year Maintenance.

3.9 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs.230.710 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl. No.	Year	Financial (Rs.in Lakhs)
1	2021-22	13.383
2	2022-23	58.565
3	2023-24	61.773
4	2024-25	24.715
5	2025-26	14.146
6	2026-27	10.130
7	2027-28	10.967
8	2028-29	7.458
9	2029-30	2.863
10	2030-31	9.290
11	2031-32	3.348
12	2032-33	10.686
13	2033-34	3.386
	Total	230.710

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 (www.forestclearance.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 (13) years commencing from 2021-22. The details of cash flow required for the entire project period is furnished in annexure.

4.5 DETAILS OF PROPOSED MONITORING MECHANISM

The Forest Range Officer, Sirpur, Forest Divisional Officer, Kaghaznagar and District Forest Officer, Kumurambheem Asifabad & Chief 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.


District Forest Officer,
KB Asifabad
Komaram Bheem
(Asifabad)