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CA SCHEME

PROJECT: Diversion of 2.020 Ha. in Reserve Forest land as per field verification (Revised from 1.960 Ha.) for widening and strengthening from Km 180/6 to Km 223/0 of Nizámabad to Jagadapur Section of NH-63 (old NH-16) with two lane paved shoulder in favour of CE-RO, Gol, CE-RO, GoI, MORTH, Hyderabad.

CA LOCATION: Compt. No. 312, Chennur RF, Beat & Section Bheemaram
of Mancheria Range of Mancheria Division

CA AREA: Double Degraded Forest Land to an extent of 4.05 Ha

USER AGENCY: CE-RO, GOL, CE-RO, GOI, MORTH, HYDERABAD

Division : Mancheria Division

District : Mancheria

A Scheme For Double Degraded Forest Land to an extent of 4.05 Ha. identified in Compt. No. 312 of Bheemaram Beat & Section of Mancheria Range of Mancheria Division of RF Block Chennur in lieu of Diversion of 2.020 Ha. in Reserve Forest land as per field verification (Revised from 1.960 Ha.) for widening and strengthening from Km 180/6 to Km 223/0 of Nizamabad to Jagadalpur Section of NH-63 (old NH-16) with two lane paved shoulder in favour of CE-RO, GoI, CE-RO, GoI, MoRTH, Hyderabad.

1.0 INTRODUCTION :

The Chief Engineer Regional Officer, Government of India, Ministry of Road Transport & Highways (MoRTH), Hyderabad has submitted the proposals for Diversion of 2.020 Ha. in Reserve Forest land as per field verification (Revised from 1.960 Ha.) for widening and strengthening from Km 180/6 to Km 223/0 of Nizamabad to Jagadalpur Section of NH-63 (old NH-16) with two lane paved shoulder in favour of CE-RO, GoI, CE-RO, GoI, MoRTH, Hyderabad.

1.1 The Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide Rc.No.7195/2017/FCA-2(ii),dt.16.10.2020 has requested to submit the CA scheme with 7-10 years maintenance.

The land for compensatory afforestation in degraded forest land has been identified 4.050 Ha. In Compt. No.312, Chennur RF Block, Beat & Section Bheemaram of Mancheria Range.

1). **Compensatory Afforestation :** The double degraded forest land to an extent of **4.050 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	312	Bheemaram	Bheemaram	Mancheria	4.050	Chennur

The proposals have been prepared with a cost of **Rs. 149.0385 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 **4.050 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 2020-21.

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 **4.050 Ha.** is identified in Compt No.312 of Bheemaram Beat & Section of Mancherial Range of Mancherial Division of RF Block Chennur.

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 integrifolia*, *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).
- d) PROTECTION OF THE PLANTATION:** Since there is lot of biotic pressure in the area proposed for CA, CPT is proposed along with the protection watchers for successfully raising the plantation.

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
2.	2022-23	Advance operations for raising plantation through Semi Mechanical method. SMC works
3.	2023-24	Raising operations under Semi Mechanical Method. SMC works
4.	2024-25	1 st Year Maintenance operations.
5.	2025-26	2 nd Year Maintenance operations.
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. 149.0385 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl. No.	Year	Financial (Rs.in Lakhs)
1	2021-22	69.0933
2	2022-23	21.2525
3	2023-24	12.7801
4	2024-25	8.5231
5	2025-26	7.3723
6	2026-27	5.9689
7	2027-28	4.6144
8	2028-29	3.1867
9	2029-30	2.4193
10	2030-31	3.2382
11	2031-32	2.5615
12	2032-33	3.5523
13	2033-34	2.7335
14	2034-35	1.7424
15	Total	149.0385

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 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 FRO, Mancherial, FDO, Mancherial and District Forest Officer, Mancherial & Conservator of Forests / Field Director Project Tiger, KTR shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


Forest Divisional Officer,
Mancherial