

CA SCHEME

For Double Degraded Forest Land to an extent of 15.9314 Ha identified in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range of Medak District in lieu of Diversion of 7.9657 Ha of Forest Land in Medak District for Erection of 220 KV Multi Circuit Line and UG cable from 400 KV SS Narsapur to proposed 220/132/33 KV Bowrampet SS in Rangareddy District in favour of Superintending Engineer, OMC / Metro West / TSTRANSCO, Mint Compound, Hyderabad.

AREA : 15.9314

Compt.No.13

Beat : Ghanpur

Section : Kulcharam

Range : Kowdipally

District : Medak

CA Scheme for Double Degraded Forest Land to an extent of 15.9314 Ha identified in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range of Medak District in lieu of Diversion of 7.9657 Ha of Forest Land in Medak District for Erection of 220 KV Multi Circuit Line and UG cable from 400 KV SS Narsapur to proposed 220/132/33 KV Bowrampet SS in Rangareddy District in favour of Superintending Engineer, OMC / Metro West / TSTRANSCO, Mint Compound, Hyderabad

1.0 INTRODUCTION :

The Superintendent Engineer, OMC / Metro West / TSTRANSCO, Hyderabad has submitted the proposals for diversion of 7.9657 Ha of Forest Land in Medak District for Erection of 220 KV Multi Circuit Line and UG cable from 400 KV SS Narsapur to proposed 220/132/33 KV Bowrampet SS in Rangareddy District in favour of Superintending Engineer, OMC / Metro West / TSTRANSCO, Mint Compound, Hyderabad. In lieu of the Reserve Forest area to be diverted in Medak Forest District.

1.1 The Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide Rc.No.17449/2017/FCA-3/PS (i), dt.27.01.2018 has requested to identify the Double Degraded Forest Land for CA to an extent of 15.9314 Ha in Medak District and submit the CA scheme with 7-10 years maintenance along with coordinates in Top Map.

Accordingly, the Forest Range Officer, Kowdipally has identified the double degraded Forest Land of 15.9314 Ha in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range of Ghanpur RF of Medak District for purposes of CA.

1). **Compensatory Afforestation :** The double degraded forest land to an extent of **15.9314** Ha is identified for taking up plantation with 3mx2m espacement in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range for protection with Digging of CPT and Bund Plantation are proposed 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	13	Ghanpur	Kulcharam	Kowdipally	15.9314	Ghanpur

The proposals have been prepared with a cost of **Rs.284.393** Lakhs. The year wise scheme proposals are annexed.

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

The Compensatory Afforestation is prepared over an area of **15.9314** Ha of Double Degraded Forest Land basing on the Forest Schedule of Rates for the year 2018-19 of Zone-II with an escalation of 10% for 2019-20 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2019-20.

Sl. No.	Year	Amount for Forestry Works (in Lakhs)
1.	2018-19	227.45966
2.	2019-20	21.69791
3.	2020-21	11.97650
4.	2021-22	6.22635
5.	2022-23	5.10062
6.	2023-24	5.61069
7.	2024-25	0.92284
8.	2025-26	0.79762
9.	2026-27	1.11664
10.	2027-28	0.96512
11.	2028-29	1.35113
12.	2029-30	1.16780
	Total	284.39288

2.0 AIMS AND OBJECTIVES

The objectives of the scheme are as follows:

- 2.1 To create small timber and fuel wood resources to meet the needs of the local public.
- 2.2 To reduce pressure on the already depleted resource requirements of small timber, fuel and fodder of local tribal people.
- 2.3 To fulfil broader objective of sustainable environmental conservation for the general good of the people.

To fulfil the above objectives, it is proposed to take-up the Afforestation over an area of 15.9314 Ha is double degraded Forest Land which the area proposed for diversion for non-forestry purpose. The plantation in 15.9314 Ha DFL will be taken-up with the species like Teak, Gummadi Teak, Nalla Maddi, Somi, Narepa, Rose wood etc., and with fuel wood, fodder and locally suitable NTFP species with 3m x 2m espacement under Semi Mechanical Method.

3.0 ELEMENTS OF THE PROJECT

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

Double Degraded Forest Land Area :

Sl. No.	Compt. No.	Beat	Section	Range	Total Area Ha.	Name of the RF
1	13	Ghanpur	Kulcharam	Kowdipally	15.9314	Ghanpur

3.2 NAME OF THE SCHEME

Compensatory Afforestation scheme over an area of **15.9314** Ha of double degraded forest land in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range of Medak District in lieu of Diversion of **7.9657 Ha** of Forest Land in Medak District for Erection of 220 KV Multi Circuit Line and UG cable from 400 KV SS Narsapur to proposed 220/132/33 KV Bowrampet SS in Rangareddy District in favour of Superintending Engineer, OMC / Metro West / TSTRANSCO, Mint Compound, Hyderabad.

3.3 SITUATION

The proposed Compensatory Afforestation area for double degraded forest land to an extent of **15.9314** Ha is identified for taking up plantation with 3m x 2m espacement in Compt.No.13 of Ghanpur Beat of Kulcharam Section of Kowdipally Range.

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 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 RAINFALL

Rainfall is mostly from the Southwest monsoon, Cyclonic rains during October-December is quite common. Average annual rainfall is 600 - 700 mm.

3.8 EXISTING VEGETATION

The Degraded Forest Land area having canopy density is about 0.1-0.4 – Old Eucalyptus plantations.

3.9 AGENCY RESPONSIBLE FOR AFFORESTATION

The Afforestation programme will be implemented by the Telangana Forest Department through the District Forest Officer, Medak.

3.10 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.	2018-19	1. Raising of Primary Beds Nursery 2. Raising and conversion of Nursery 3. Maintenance of Nursery 4. Advance Operations for Plantations. 5. Digging of CPT 6. Nursery Infrastructure 7. Construction of boundary pillars.
2.	2019-20	1. Raising of Plantations 2. Maintenance of Nursery 3. Bund Planting.
3.	2020-21	1. Maintenance of Nursery. 2. 1 st Year Maintenance of Plantation.
4.	2021-22	2 nd Year Maintenance of Plantation.
5.	2022-23	3 rd Year Maintenance of Plantation.
6.	2023-24	4 th Year Maintenance of Plantation.
7.	2024-25	5 th Year Maintenance of Plantation.
8.	2025-26	6 th Year Maintenance of Plantation.
9.	2026-27	7 th Year Maintenance of Plantation.
10.	2027-28	8 th Year Maintenance of Plantation.
11.	2028-29	9 th Year Maintenance of Plantation.
12.	2029-30	10 th Year Maintenance of Plantation.

3.11 COST STRUCTURE

A Compensatory Afforestation Scheme for **Rs.284.393 Lakhs** is prepared. The year wise expenditure will be as hereunder:

Sl. No.	Year	Amount for Forestry Works (in Lakhs)
1.	2018-19	227.45966
2.	2019-20	21.69791
3.	2020-21	11.97650
4.	2021-22	6.22635
5.	2022-23	5.10062
6.	2023-24	5.61069
7.	2024-25	0.92284

8.	2025-26	0.79762
9.	2026-27	1.11664
10.	2027-28	0.96512
11.	2028-29	1.35113
12.	2029-30	1.16780
	Total	284.39288

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

4.0 SCHEME COMPONENT

The area identified for Compensatory Afforestation is proposed to take up afforestation planting over an area of **15.9314 Ha** in Degraded Forest Land under Semi Mechanical Method in 3m x 2m espacement with NTSHW Species and with fuel wood, fodder and locally suitable NTFP species. The plantation will 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 is appended.

4.2 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 District Forest Officer, Medak for Raising Nurseries, Plantations and their maintenance as per the detailed annual plan after obtaining the approval and funds from the competent authority.

5.0 PLANTING TARGETS AND STAFF REQUIREMENT

The double the Degraded Forest Land area identified for the Compensatory Afforestation to an extent of **15.9314 Ha** of Medak District the details as follows:

Sl. No.	Compt. No.	Beat	Section	Range	Total Area Ha.	Name of the RF
1	13	Ghanpur	Kulcharam	Kowdipally	15.9314	Ghanpur

The above Degraded Forest Land area is proposed to be raised under SMM as per site condition. The details are as follows:

Sl. No.	District	Range	Beat	Area Proposed		Requirement of seedlings
1	Medak	Kowdipally	Ghanpur	15.9314	Ha	
	Requirement of Seedlings					
		Raising Year	SMM Plantation 3mx2m	15.9314	Ha	33455
			Bund Plantation	2.00	Kms	5000
		1 st year maintenance	Replacement for 1 st year	15.9314	Ha	6000
	Total					44455

Hence, it is proposed to raise the following seedlings for raising and for replacement of casualties in maintenance of plantations.

1. For Raising of Plantations 15.9314 Ha 33455 seedlings.
2. For bund plantations 2.00 Kms 5000 Seedlings.
3. For casualties in maintenance 15.9314 Ha 6000 Seedlings.

Total 44455 Seedlings.

5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING

The amount proposed towards office expenses, contingent expenses are appended.

5.2 CAPITAL EXPENDITURE NON-RECURRING

No amount is proposed towards non-recurring expenditure.

5.3 SCHEME PERIOD

This scheme will be implemented over a period of (13) years commencing from 2019-20. The details of cash flow required for the entire project period for recurring and non-recurring expenditure is furnished in annexure.

5.4 DETAILS OF PROPOSED MONITORING MECHANISM

The Chief Conservator of Forests, Medak Circle, Medak shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


District Forest Officer,
Medak