

## **CA SCHEME**

**For Double Degraded Forest Land to an extent 233.00 Ha identified in Compt no. 501,502,503 & 504 of Beat Girelly of Section Girelly of Rebbena Range of Asifabad Division in lieu of permission in an area 189.6808 ha in Asifabad, Bellampally & Kaghaznagar Divisions for laying of new third BG railway line along the existing tracks within the railwaly boundary between Makhudi and Rechini road railway stations in Komarambheem Asifabad and Mancherial Districts infavor of South Central Railway, Secunderabad.**

**Area: 233.00 Ha**

**Compt No: 501,502,503 & 504**

**Beat: Girelly**

**Section: Girelly**

**Range: Rebbena**

**Division: Asifabad**

**District :Kumram Bheem Asifabad**

**Circle : Adilabad**



**CA scheme for Double Degraded Forest Land to an extent 233.00 Ha identified in Compt no. 501,502,503 & 504 of Beat Girelly of Section Girelly of Rebbena Range of Asifabad Division in lieu of permission in an area 189.6808 ha in Asifabad, Bellampally & Kaghaznagar Divisions for laying of new third BG railway line along the existing tracks within the railwaly boundary between Makhudi and Rechini road railway stations in Komarambheem Asifabad and Mancherial Districts in favor of South Central Railway, Secunderabad.**

#### **1.0 INTRODUCTION:**

The South Central Railway, Secunderabad has submitted the proposals for permission an area of **189.6808 ha** in Asifabad, Bellampally & Kaghaznagar Divisions for laying of new third BG railway line along the existing tracks within the railwaly boundary between Makhudi and Rechini road railway stations in Komarambheem Asifabad and Mancherial Districts in favor of South Central Railway, Secunderabad. In lieu of the RF area to be diverted in Asifabad Forest Division.

**1.1** The CA scheme for Development of Double Degraded Forest Land to an extent of **233.00 Ha** in Asifabad Division for proposed diversion **189.6808 ha** in Asifabad, Bellampally & Kaghaznagar Divisions for laying of new third BG railway line along the existing tracks within the railwaly boundary between Makhudi and Rechini road railway stations in Komarambheem Asifabad and Mancherial Districts in favor of South Central Railway, Secunderabad.

Accordingly, the Forest Range Officer, Rebbena has identified the double degraded forest land to an extent of 233.00 Ha in Compt no. 501,502,503 & 504 of Beat Girelly of Section Girelly of Rebbena Range of Rebbena Range falling in Chandrapally R.F. for the purpose of CA.

**1) Compensatory Afforestation:** The double degraded forest land to an extent of **233.00 Ha.** is identified for takingup plantation with 3mx3m espacement for Protection with Digging of CPT and Bund planting 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	501	Girelly	Girelly	Rebbena	37.00	Chandrapally
2	502	Girelly	Girelly	Rebbena	71.00	Chandrapally
3	503	Girelly	Girelly	Rebbena	87.40	Chandrapally
4	504	Girelly	Girelly	Rebbena	37.50	Chandrapally
					<b>232.90</b>	

The proposals have been prepared with a cost of **Rs. 1495.815 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 scheme is prepared over an area of **233.00 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	2019-20	25.843
2	2020-21	134.469
3	2021-22	386.899
4	2022-23	401.558
5	2023-24	145.120
6	2024-25	97.010
7	2025-26	90.921
8	2026-27	75.698
9	2027-28	51.189
10	2028-29	35.554
11	2029-30	13.149
12	2030-31	14.229
13	2031-32	15.910
14	2032-33	8.266
	<b>Total</b>	<b>1495.815</b>

## 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 fulfill broader objective of sustainable environmental conservation for the general good of the people.

To fulfill the above objectives, it is proposed to take-up the Afforestation over an area of **233.00 Ha** is double degraded Forest Land which the area proposed for diversion for non-forestry purpose. The plantation in **233.00 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 x3m 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	501	Girelly	Girelly	Rebbena	37.00	Chandrapally
2	502	Girelly	Girelly	Rebbena	71.00	Chandrapally
3	503	Girelly	Girelly	Rebbena	87.40	Chandrapally
4	504	Girelly	Girelly	Rebbena	37.50	Chandrapally
					232.90	

### 3.2 NAME OF THE SCHEME

Compensatory Afforestation scheme for "laying of new third BG railway line along the existing tracks within the railway boundary between Makhudi and Rechini road railway stations in Komarambheem Asifabad and Mancherial Districts in favor of South Central Railway, Secunderabad"

### **3.3 SITUATION**

The proposed Compensatory Afforestation area for double degraded forest land to an extent of **233.00 Ha.** is identified for takingup plantation with 3m x 3m espacement under Semi Mechanical Method in Rebbena 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 up to  $47^0$  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 1051 mm.

### **3.8 EXISTING VEGETATION:**

The Degraded Forest Land area having canopy density is about 0.1-0.4

### **3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:**

The Afforestation programme will be implemented by the Telangana Forest Department through the Forest Divisional Officer, Asifabad.

### **3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION**

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

<b>Year</b>	<b>Proposed works</b>
2019-20	1) Raising of Primary Beds Nursery 2) Nursery infrastructure.
2020-21	1) Raising of Primary Beds Nursery 2) Raising and Conversion of Nursery 3) Maintenance of Nursery 4) Advance Operations for Plantation. 5) Digging of CPT 6) Nursery infrastructures.
2021-22	1) Raising of Primary Beds Nursery 2) Raising and Conversion of Nursery 3) Maintenance of Nursery 4) Raising of Plantations 5) Bund planting 6) Advance Operations 7) Digging of CPT
2022-23	Maintenance of Nursery Conversion of Nursery Raising of plantations 1st Year maintenance of plantation Bund planting
2023-24	Maintenance of Nursery 1 <sup>st</sup> Year maintenance of plantation 2 <sup>nd</sup> Year maintenance of plantation
2024-25	2 <sup>nd</sup> Year maintenance of plantation 3rd Year maintenance of plantation
2025-26	3rd Year maintenance of plantation 4th Year maintenance of plantation
2026-27	4th Year maintenance of plantation 5th Year maintenance of plantation
2027-28	5th Year maintenance of plantation 6th Year maintenance of plantation
2028-29	6th Year maintenance of plantation 7th Year maintenance of plantation
2029-30	7th Year maintenance of plantation 8th Year maintenance of plantation
2030-31	8th Year maintenance of plantation 9th Year maintenance of plantation
2031-32	9th Year maintenance of plantation 10th Year maintenance of plantation
2032-33	10th Year maintenance of plantation

### **3.11 COST STRUCTURE:**

A Compensatory Afforestation scheme for Rs. 1495.815 Lakhs is prepared. The year wise expenditure will be as hereunder.

Sl No	Year	Amount for Forestry Works (In Lakhs)
1	2019-20	25.843
2	2020-21	134.469
3	2021-22	386.899
4	2022-23	401.558
5	2023-24	145.120
6	2024-25	97.010
7	2025-26	90.921
8	2026-27	75.698
9	2027-28	51.189
10	2028-29	35.554
11	2029-30	13.149
12	2030-31	14.229
13	2031-32	15.910
14	2032-33	8.266
	<b>Total</b>	<b>1495.815</b>

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 233.00 Ha. in Degraded Forest Land under Semi Mechanical Method in 3m x 3m 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 from the Ministry's web portal ([www.forestsclearance.nic.in](http://www.forestsclearance.nic.in)). These funds will be utilized by the Forest Divisional Officer, Asifabad 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 233.00 Ha of Asifabad Division, the details as follows.

SL No	Compt. No	Beat	Section	Range	Total Area Ha.	Name of the RF
1	501	Girelly	Girelly	Rebbena	37.00	Chandrapally
2	502	Girelly	Girelly	Rebbena	71.00	Chandrapally
3	503	Girelly	Girelly	Rebbena	87.40	Chandrapally
4	504	Girelly	Girelly	Rebbena	37.50	Chandrapally
					232.90	

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

Sl. No.	Division	Range	Beat	Area proposed		Requirement of Seedlings + casualties (20%)
1	Asifabad	Rebbena	Girelly	233.00	Ha	
	<b>Requirement of seedlings</b>					
		Raising year	SMM Plantation- 3mx3m	233.00	Ha	3,10,650
			Bund plantation	15.720	KMs	52,000
		1st year maint.	Replacements for 1 <sup>st</sup> year (25%)	233.00	Ha	78,000
	<b>Total</b>					<b>4,40,650</b>

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

1) For Raising of plantations	233.00 Ha.	3,10,650 Seedlings.
2) For Bund plantations	15.720 Kms.	52,000 Seedlings.
3) For casualties in maintenance	233.00 Ha.	78,000 Seedlings
		<b>Total 4,40,650 Seedlings</b>

### **5.1 OFFICE EXPENSES AND CONTINGENCIES RECURRING:**

The amount proposed towards office expenses, contingent expenses are appended

### **5.2 CAPITAL EXPENDITURE NON – RECURRING**

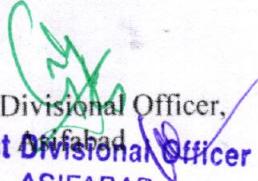
No amount is proposed towards non-recurring expenditure

### **5.3 SCHEME PERIOD :**

This scheme will be implemented over a period of (14) 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 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,  
**Forest Divisional Officer**  
ASIFABAD