

## **CA SCHEME**

**CA scheme for Non Forest Land (NFL) for 59.468 Ha in Sy.No. 86 of Girgaon village of Tamsi Mandal of Adilabad Division and Development of Degraded Forest Land (DFL) for 50.00 Ha in Division in lieu of Diversion of Forest land for (18) roads projects in Echoda & Utnoor(FDPT)Divisions of Adilabad District and Asifabad & Kagaznagar Divisions of KB-Asifabad District and Bellampally Division of Mancherial District under PMGSY Scheme of Panchayath Raj Department.**

### **A) Detail of Compensatory Afforestation land(NFL)**

**Area: 59.468 Ha**

**Sy.No: 86**

**Village: Girgaon, Mandal: Tamsi**

**Range: Adilabad, Division: Adilabad**

**District :Adilabad,Circle : Adilabad**

### **B) Detail of Degrade Forest Land (DFL):**

**Area: 50.00 Ha**

**Compt. No.243 of Beat: Mavala, Section:Adilabad**

**&Compt. No.248 of Beat :Adilabad, Section:Adilabad**

**Range: Adilabad, Division: Adilabad**

**District: Adilabad,Circle : Adilabad**

CA scheme for Non Forest Land (NFL) for 59.468 Ha in Sy.No. 86 of Girgaon village of Tamsi Mandal of Adilabad Ragne of Adilabad Division and Development of Degraded Forest Land (DFL) for 50.00Ha in Division in lieu of Diversion of Forest land for (18) roads projects in Echoda & Utnoor(FDPT) Divisions of Adilabad District and Asifabad & Kagaznagar Division of KB-Asifabad District and Bellampally Division of Mancherial District under PMGSY Scheme of Panchayath Raj Department.

### 1.0 INTRODUCTION:

The Principal Chief Conservator of Forests, (HoFF) Telangana, Hyderabad vide Rc.No.7365/2020/FCA-2, Dt: 27.11.2020 has requested to prepare CA scheme over 59.468 Ha for Non-forest land in Sy.No. 86 of Girgaon village of Tamsi Mandal of Adilabad Division in lieu of Diversion of Forest land for (18) roads projects in various Divisions & Districts of Telangana State under PMGSY Scheme of Panchayath Raj Department.

Sl No	Circle	District	Division	Name of the Road Project	CA area in Ha
1	2	3	4	5	6
1	Adilabad	Adilabad	Echoda	LO 26 -PR road to Boregaon	1.82
2	Adilabad	Adilabad	Utnoor FDPT/ Echoda	LO 39 - Kuntala K to Mathurathanda	5.24
3	Adilabad	Adilabad	Utnoor FDPT	MRL02-PWD Road at Mediguda to Maregaon via Kothapally G, Kunikasa, Paraswada.	4.847
4	Adilabad	Adilabad	Utnoor FDPT	LO 52 - PR Road to Thummalphad	1.81
5	Adilabad	Adilabad	Utnoor(FDPT)	LO 54 -PR road to Lachampur B	2.12
6	Adilabad	Adilabad	Utnoor(FDPT)	T02- Muthnoor to Pakkernaikthanda (Chimangudi)	1.00
7	Adilabad	Adilabad	Utnoor(FDPT)	L049- PR road to Dharmasagar	1.00
8	Adilabad	Adilabad	Utnoor(FDPT)	T02- Muthnoor to Fakheernaikthanda of Sirkonda Mandal	6.3099
9	Adilabad	Adilabad	Utnoor(FDPT)	Lo 47-R/F R&B Road to Moriguda	1.59
10	Adilabad	Asifabad	Kagaznagar	R&B road to Oatpally	2.79
11	Adilabad	Asifabad	Kagaznagar	Karjelly to Motlaguda	4.848
12	Adilabad & Kawal TR	Asifabad & Mancherial	Asifabad & Bellampally	BT Road from R&B Road to Chinnagudipet via Parvathipet in Dahegaon Mandal	2.1004
13	Adilabad	Asifabad	Asifabad	Bejjur to Somini	4.11
14	Adilabad	Asifabad	Asifabad	BT Road from "R/F PWD Road to Jhaduguda" (PWD Road to Kishan Thanda)	4.1083
15	Adilabad	Asifabad	Asifabad	High Level Bridge from Kethini to Dimda	1
16	Adilabad	Asifabad	Asifabad	ZP Road from 9/4 to Naguguda of Tiryani Mandal	4.30
17	Adilabad	Asifabad	Kagaznagar	Etiguda to Agerguda(Karjelly to Motlaguda)	7.418
18	Adilabad	Asifabad	Kagaznagar	Etiguda to Talai	3.0564
				<b>Total</b>	<b>59.468</b>

Accordingly, the identified non-forest land of 59.468 Ha in Sy.No. 86 of Girgaon village of Tamsi Mandal for the purpose of CA has been inspected with User Agency by the under signed on 27.02.2021 in the field and found that;

The Non-Forest land identified in Sy.No. 86 of Girgaon village of Tamsi Mandal of Adilabad Range is adjacent to Ambadi R.F. and is at distance of 2.00 Kms from Tamsi R.F. The land is free from encroachments. It is classified as Non-Forest in village records. The land is in a compact block and in close proximity of Reserve Forest area of Ambadi of Maharashtra State. The land now proposed has not been proposed or recommended to any other assignment or alternate land for any other project of any department. The land is having 0.4 to 0.6 density with good vegetation and is a hillock with rocky terrain, hence not found suitable for raising of CA Plantation in such land.

In view of the above, Handbook of guidelines for effective and transparent implementation of the provisions of Forest (Conservation) Act, 1980 vide Govt. of India vide GOI, MoEF New Delhi F. No. 5-2/2017- FC, Dt: 28.03.2019 in chapter-2 for Compensatory Afforestation (CA) in 2.4 clarifications is as follows.

- (v) Any non-forest land for the purpose of Compensatory Afforestation (CA), selected by the State Government, in lieu of forest land to be diverted may be accepted by MoEF&CC irrespective of crown density. All such lands shall be mutated in favour of State forest department and declared as protected forest prior to stage I approval.
- (vi) State government shall prepare a CA scheme with 1000 plants per ha for all such non-forest lands. In case it is not possible to raise plantation at the rate of 1000 plants per ha on the selected non-forest land, then the balance plants shall be planted on degraded forest land as per working plan prescriptions. All forest lands which have crown density below 40 percent should only be treated as degraded forest land for the purpose of CA.
- (vii) Any degraded forest land for the purpose of CA, selected by State Government may be accepted by MoEF&CC only if the crown density of the area is below 40 percent.

Since the identified non-forest land is having good vegetation and is a hillock with rocky terrain, could not be taken up for planting activity and hence it is proposed to raise the CA Plantation in the Degraded Forest Land with 1000 plants per ha in Compt. No. 243of Mavala Beat of Adilabad Section & Compt. No. 248of Beat of Adilabad Section of Adilabad Range of Adilabad Division falling in Mavala R.F. However the identified non-forest land to an extent of **59.468 Ha** is proposed to be protected by erecting chain link fencing, boundary pillars and SMC works i.e., SCTs etc., and by taking up cultural operations and fire management works.

- 1) **Compensatory Afforestation:** It is proposed to raise CA in the area to be taken over from Revenue Authorities i.e. the Government land in **59.468 Ha**. The area is having slopes for which Protection and SMC works like, RFDs and CCTs are proposed. The proposals have been prepared to take up under ANR method, Coppicing and Singling of the existing valuable species like long rotation high

value timber species and the details of Compensatory Afforestation scheme proposals are as follows.

**Degraded Forest Land Area:**

SL No	Division	Compt. No	Beat	Section	Range	Total Area Ha.	Name of the RF
1	Adilabad	243	Mavala	Adilabad	Adilabad	45.00	Mavala
2	Adilabad	248	Adilabad	Adilabad	Adilabad	15.00	Mavala

The proposals have been prepared with a cost of **Rs.297.66/- 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 59.468 Ha Non-Forest Land and 50.00 Ha of Degraded Forest Land basing on the Forest Schedule of Rates for the year 2020-21 of Zone-II with an escalation of 10% for 2021-22 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2021-22.

Sl No	Year	Forestry Works
1	2021-22	41.109
2	2022-23	63.578
3	2023-24	90.163
4	2024-25	24.413
5	2025-26	20.261
6	2026-27	20.841
7	2027-28	16.369
8	2028-29	3.35
9	2029-30	3.034
10	2030-31	3.891
11	2031-32	3.51
12	2032-33	3.784
13	2033-34	3.315
	<b>Total</b>	<b>297.618</b>

**Or 297.62 lakhs**

**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 which is equivalent to the area proposed for diversion for non-forestry purpose. Non-forest area of 59.468 Ha to be taken up under ANR and other forestry operation

works and Degraded Forest area of 50.00 Ha is identified for CA. The plantations in 50.00 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.

### **3.0 ELEMENTS OF THE PROJECT**

3.1. Details of the lands identified for raising Compensatory Afforestation are as follows.

#### **Non Forest Land Area:**

Sl. No.	Division	Range	Mandal	Village & Sy.No	Near RF	Near Compt. No.	Area proposed in Ha.
1	Adilabad	Adilabad	Tamsi	Girgaon & 86	Tamsi	227	59.468

#### **Degraded Forest Land Area:**

SL No	Division	Compt. No	Beat	Section	Range	Total Area Ha.	Name of the RF
1	Adilabad	243	Mavala	Adilabad	Adilabad	45.00	Mavala
2	Adilabad	248	Adilabad	Adilabad	Adilabad	15.00	Mavala

### **3.2 NAME OF THE SCHEME**

Compensatory Afforestation scheme over 59.468 Ha. of non forest land in Sy.No.86 of Girgaon Village, Tamsi Mandal, Adilabad Division of Adilabad District in lieu of Diversion of Forest land for (18) roads projects in Echoda & Utnoor(FDPT) Divisions of Adilabad District and Asifabad & Kagaznagar Division of KB-Asifabad District and Bellampally Division of Mancherial District under PMGSY Scheme of Panchayath Raj Department.

### **3.3 SITUATION**

The proposed Compensatory Afforestation area is situated adjacent to the RF Block Tamsi, near Compt. No. 227 of Adilabad Range, Tamsi Mandal of Adilabad Division and not fit for raising of CA Plantations, hence a degraded forest land to an extent of 50.00 Ha is identified for taking up plantation with 3mx3m espacement in Compt. No. 243 of Mavala Beat and Compt. No. 248 of Adilabad Beat of Adilabad Section of Adilabad Range of Adilabad Division of Mavala RF.

### **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 Rocky and morram soil and the land is slopy and undulating mostly having slopes and hillocks.

### **3.6 CLIMATE :**

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises up to 47<sup>0</sup> 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 NFL area is having good vegetation with miscellaneous and forest species about 0.4 to 0.6 density

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

The afforestation programme will be implemented by the Telangana Forest Department through the Forest Divisional Officer, Adilabad.

### **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>
2021-22	1) Purchase of Bag Plants, Conversion 2) Nursery Infrastructure 3) Maintenance of vehicles
2022-23	1) Maintenance of Nursery 2) Nursery Infrastructure 4) Protection works of NFL with Boundary pillars & Fencing with chainlink 5) Advance Operations for Plantation. 6) SMC works. 7) Construction of boundary pillars 8) Cultural Operations. 9) Digging of CPT along DFL area and SMC works 10) Nursery Infrastructure 11) Formation of New Fire Lines
2023-24	1) Raising of Plantations 2) Maintenance of Nursery & Conversion of bag plants 3) Stabilization of SCTs 4) Cultural Operations. 5) SMC works. 6) Nursery Infrastructure 7) Maintenance of New Fire Lines
2024-25	1) Maintenance of Nursery 2) 1st Year maintenance of plantation 3) Cultural Operations. 4) Maintenance of New Fire Lines
2025-26	2nd Year maintenance of plantation Maintenance of New Fire Lines
2026-27	1) 3rd Year maintenance of plantation 2) Cultural Operations. 3) Maintenance of New Fire Lines

2027-28	4th Year maintenance of plantation Maintenance of New Fire Lines
2028-29	1) 5th Year maintenance of plantation 2) Cultural Operations. Maintenance of New Fire Lines
2029-30	6th Year maintenance of plantation Maintenance of New Fire Lines
2030-31	1) 7th Year maintenance of plantation 2) Cultural Operations. Maintenance of New Fire Lines
2031-32	8th Year maintenance of plantation
2032-33	1) 9th Year maintenance of plantation 2) Cultural Operations. Maintenance of New Fire Lines
2033-34	10th Year maintenance of plantation Maintenance of New Fire Lines

### 3.11 COST STRUCTURE:

A Compensatory Afforestation scheme for **Rs. 518.56/-** is prepared. The year wise expenditure will be as hereunder.

Sl No	Year	Forestry Works
1	2021-22	41.837
2	2022-23	282.694
3	2023-24	80.834
4	2024-25	23.906
5	2025-26	10.434
6	2026-27	10.638
7	2027-28	8.074
8	2028-29	9.326
9	2029-30	7.196
10	2030-31	10.880
11	2031-32	9.159
12	2032-33	12.902
13	2033-34	10.670
	<b>Total</b>	<b>518.554</b>

**Or 518.56**

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 a hillock with rocky terrain having good vegetation. It is proposed to protect the area by Chain link fence, and SMC works i.e., SCTs etc., and by taking up cultural operations and fire management works. It is also proposed to take up Afforestation planting over an area of Ha in DFL under Semi Mechanical Method in 3mx3m espacement with NTSHW species and with fuel wood, fodder and locally suitable NTFP species. The plantation would 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.forestclearance.nic.in](http://www.forestclearance.nic.in)). These funds will be utilized by the Forest Divisional Officer, Adilabad 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 DFL area identified for the Compensatory Afforestation to an extent of 50.00 Ha of Adilabad Division, the details as follows.

SL No	Division	Compt. No	Beat	Section	Range	Total Area Ha.	Name of the RF
1	Adilabad	243	Mavala	Adilabad	Adilabad	45.00	Mavala
2	Adilabad	248	Adilabad	Adilabad	Adilabad	15.00	Mavala

#### **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.

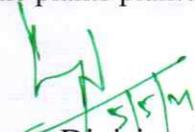
#### **5.3 SCHEME PERIOD :**

This scheme will be implemented over a period of (13) years commencing from 2021-22. 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 Forest Divisional Officer, Adilabad and District Forest Officer, Adilabad & the Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.

Counter signed  
  
District Forest Officer,  
ADILABAD

  
Forest Divisional Officer,  
Adilabad  
5/5/2021