

CA SCHEME

For CA scheme for Non Forest Land (NFL) for 39.84 Ha in Sy.No. BDPP of INDHANI village of Kerameri Mandal of Kerameri Range of Asifabad Division and Development of Degraded Forest Land (DFL) for 40.00 Ha in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in various Divisions & Districts of Telangana State under PMGSY Scheme of Panchayath Raj Department.

A) Detail of Compensatory Afforestation land(NFL)

Area: 39.84 Ha
Sy.No: BDPP
Village: Indhapur
Mandal: Kerameri
Range: Kerameri
Division: Asifabad
District :Kumram Bheem Asifabad
Circle : Adilabad

B) Detail of Degraded Forest Land (DFL):

Area: 40.00 Ha
Compt No.134 of Beat: Raspally of Raspally Section
Range: Kaghaznagar
Division: Kaghaznagar
District :Kumram Bheem Asifabad
Circle : Adilabad

CA scheme for Non Forest Land (NFL) for 39.84 Ha in Sy.No. BDPP of Indhani village of Kerameri Mandal of Kerameri Range of Asifabad Division and Development of Degraded Forest Land (DFL) for 40.00Ha in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in various Districts of Telangana State 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: 19.03.2021 & 09.04.2021 has requested to prepare CA scheme over 39.84 Ha for Non-forest land in Sy.No. BDPP of Indhani village of Kerameri Mandal of Kerameri Range of Asifabad Division in lieu of Diversion of Forest land for (15) roads projects in various Divisions & Districts of Telangana State under PMGSY Scheme of Panchayath Raj Department of Kumuram Bheem-Asifabad District.

Sl No	District	Division	Name of the Road Proposals	Area _ Ha
1	Asifabad	Asifabad	Karji to Motlaguda	4.8025
2	Asifabad	Asifabad	ZP Road 27/9 to Gundala via Doddiguda	4.343
3	Asifabad	Kagaznagar	High Level Bridges R/F ZP road to Gerreguda	1.00
4	Asifabad	Asifabad	PWD road to alliguda via potharaj temple	1.2117
5	Asifabad	Kagaznagar	PWD road to Kaniki (Edlagudem)	1.00
6	Asifabad	Kagaznagar	Gangapur (Ravindranagar) to Korsini	1.68
7	Nirmal	Khanapur	Tandra to Wasthapur	2.91
8	Nirmal	Khanapur	R&B road to Allampally	4.90
9	Nirmal	Khanapur	R/F R&B road to Kosagutta	1.00
10	Nirmal	Khanapur	Kosagutta to yapalguda	2.4227
11	Nirmal	Khanapur	R/F Eravachintal to Dattojipet	1.3332
12	Nirmal	Nirmal	Narasapur to Gollamad via Anjani thanda	4.32
13	Nirmal	Khanapur	Rasimatla to Korkal	4.2063
14	Mancherial	Mancherial	MRL-13- Chamanpally to Kushanapally	1.526
15	Mancherial	Mancherial	MRL-01- Nennel to Kushanapally	3.2875
			Total	39.9429

Accordingly, identified Non-Forest land of 39.84 Ha in Sy.No. BDPP of Indhani village of Kerameri Mandal of Kerameri Range of Asifabad Division of Kumuram Bheem-Asifabad District for the purpose of CA has been inspected with User Agency by the undersigned on 12.02.2021 in the field and found that;

The Non-Forest land identified in Sy.No. BDPP of Indhani village of Kerameri Mandal of Kerameri Range of Asifabad Division is adjacent to compartment numbers. 67 & 28 of Manikgarh R.F of Kerameri Range. 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 Manikgarh R.F. The CA 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 0.3 to 0.5 density with good vegetation and is a hill area with rocky patches with morram soil, 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, identified Non-forest land is having good vegetation and is a hill area with rocky patches with morram soil, could not be taken up for planting activity and hence it is proposed to raise the CA Plantation in the Degraded Forest Land (DFL) with 1000 plants per ha in Compt. No. 134 of Raspally Beat of Raspally Section of Kaghaznagar Range of Kaghaznagar Division of Kadamba R.F. However the identified non-forest land to an extent of **39.84 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 **39.84 Ha**. The hill area with rocky patches with morram soil for which Protection and SMC like, staggered

trenches, singling & coppicing 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.

Non-Forest Land Area:

S No	Sy No	Village	Mandal	Range	Area in Ha.	Name of the adjacent RF	Distance from RF to land
1	BDPP	Indhani	Kerameri	Kerameri	39.84	Manikgarh (W)	Adjoining to Manikgarh (W) RF

Degraded Forest Land Area:

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	134	Raspally	Raspally	Kaghaznagar	40.00	Kadamba

The Compensatory Afforestation for Non-Forest Land scheme is prepared over an area of **39.84 Ha** and for Degraded Forest Land over an area of **40.00 Ha** of 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.

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 39.84 Ha to be taken up under ANR and other forestry operation works and Degraded Forest area of 40.00 Ha is identified for CA. The plantations in 40.00 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. 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 in Ha.
1	Asifabad	Kerameri	Kerameri	Indhapur & BDPP	Manikgarh (W)	67 & 28	39.84

Degraded Forest Land Area:

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	134	Raspally	Raspally	Kaghaznagar	40.00	Kadamba

3.2 NAME OF THE SCHEME

Compensatory Afforestation scheme over 39.84 Ha. of Non Forest Land in Sy.No.BDPP of Indhani village of Kerameri Mandal of Kermaeri Range, Asifabad Division of Kumram Bheem Asifabad District in lieu of Diversion of Forest land for (15) roads projects in various Districts of Telangana State under PMGSY Scheme of Panchayath Raj Department of Kumuram Bheem-Asifabad District.

3.3 SITUATION

The proposed Compensatory Afforestation over area of 39.84 Ha is situated adjacent to the RF Manikgarh (w), near Compt. No. 67 & 28 of Kerameri Range, Kerameri Mandal of Asifabad Division and not fit for raising of CA Plantations, hence a Degraded Forest Land to an extent of 40.00 Ha is identified for taking up plantation with 3mx3m espacement in Compt. No. 134 of Raspally Beat of Raspally Section of Kaghaznagar Range of Kaghaznagar Division of Kadamba 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 hill area with rocky patches with morram soil.

3.6 CLIMATE :

The climate is fairly dry with very hot summer and cool winters. During summer, the temperature rises up to 47⁰ 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 0.3 to 0.5 density

3.9 AGENCY RESPONSIBLE FOR AFFORESTATION:

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

3.10 DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

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

Year	Proposed works
2021-22	1) Maintenance of vehicles & improvements / Maintenance of Offices
2022-23	1) Protection works of NFL with Boundary pillars & Fencing with chainlink 2) Base camp 3) Cultural operations & SMC works. 4) Purchase of bag plants and Conversion of Nursery 5) Nursery Infrastructure 6) Advance Operations for Plantation. 7) Animal trackers 8) SMC works. 9) Digging of CPT along DFL area
2023-24	1) Protection works of NFL with Boundary pillars 2) Base camp 3) Maintenance of Fire Lines 4) SMC works for NFL 5) Purchase of bag plants and Conversion of Nursery 6) Maintenance of Nursery 7) Raising of Plantations 8) Animal Trackers 9) Stabilization of CPT

2024-25	Cultural Operations. Base camp Maintenance of New Fire Lines Maintenance of Nursery 1 st Year maintenance of plantation Animal trackers
2025-26	2nd Year maintenance of plantation Animal trackers Maintenance of Fire Lines
2026-27	3rd Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers
2027-28	4th Year maintenance of plantation Maintenance of Fire Lines Animal trackers
2028-29	5th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines
2029-30	6th Year maintenance of plantation Maintenance of Fire Lines
2030-31	7th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines
2031-32	8th Year maintenance of plantation Maintenance of Fire Lines
2032-33	9th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines
2033-34	10th Year maintenance of plantation Maintenance of Fire Lines

3.11 COST STRUCTURE:

Compensatory Afforestation scheme for **Rs. 616.306 lakhs** is prepared. The year wise expenditure will be as hereunder.

SI No	Year	Amount in Lakhs		
		NFL	DFL	Total
1	2021-22	1.500	0.500	2.000
2	2022-23	165.724	77.125	242.849
3	2023-24	50.081	87.083	137.164
4	2024-25	18.279	42.252	60.532
5	2025-26	8.424	31.290	39.715
6	2026-27	5.886	23.431	29.317
7	2027-28	5.124	25.040	30.164
8	2028-29	6.066	7.821	13.887
9	2029-30	4.933	2.311	7.245
10	2030-31	6.854	9.337	16.191
11	2031-32	6.124	2.692	8.816
12	2032-33	7.768	11.172	18.940
13	2033-34	6.835	2.652	9.487
	Total	293.598	322.708	616.306

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 39.84 Ha is a hillock with rocky terrain with morram soil with 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 40.00 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.forestsclearance.nic.in). These funds will be utilized by the Forest Divisional Officer, Asifabad & Kaghaznagar 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 40.00 Ha of Kaghaznagar Division, the details as follows.

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	134	Raspally	Raspally	Kaghaznagar	40.00	Kadamba

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, Asifabad & Kaghaznagar and District Forest Officer, Kumram Bheem-Asifabad & the Chief Conservator of Forests, Adilabad Circle, Adilabad shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


District Forest Officer
Kumram Bheem
(Asifabad)