

Government of Telangana
Forest Department

From

Sri Neeraj Kumar Tibrewal, I.F.S.,
District Forest Officer,
Kumuram Bheem-Asifabad.

To

The Principal Chief Conservator of Forests (FCA),
O/o the Principal Chief Conservator of Forests,
Aranya Bhawan, Saifabad, Hyderabad.**Re. No. 1577/2020/S 4, Dated: 05.07.2023.**

Sir,

Sub:- TSFD- F(C) Act, 1980- Diversion of 72.9689 ha of forest land for (19) road projects of R&B Department in Asifabad District- DGPS survey conducted for non-forest land for CA & DGPS Raw data verified and Authenticated- Project wise split CA Map communication-Report on Non-Forest CA Land in Sy. No. 322 of Pangidimadra village of Tiryani Mandal for Compensatory Afforestation purpose- REVISED CA scheme for Non-Forest Land and Degraded Forest Land—Submitted for vetting— Regarding.

- Ref:- 1. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/ FCA-2, Dt: 28-09-2020.
2. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 16.10.2020, 31.10.2020, 16.11.2020 & 23.01.2021.
3. Collector & District Magistrate, KB-Asifabad Lr.No.E2/1278/2020, Dt: 25.02.2021.
4. EE (R&B) Division, KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21, Dt: 13.02.2021.
5. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/-FCA-2, Dt: 25.03.2021.
6. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt: 08.04.2021, 24.05.2021, 13.07.2021, 29.07.2021.
7. F.R.O., Ginnedhary, Rc.No.27/GDY/202122, Dt: 07.08.2021.
8. District R&B Officer (Executive Engineer), KB-Asifabad Lr.No.DB/EE/Asifabad/R&B/2020-21/01, Dt: 08.02.2021 (addressed to the Prl.C.C.F., Aranya Bhawan, Hyderabad).
9. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt:28.08.2021 (mail Dt: 29.08.2021)
10. Prl.C.C.F., TS Hyd, Rc.No. 6465/2018/ FCA-2, Dt:12.10.2021.
11. F.D.O. Asifabad Rc.No.1866/2020/S10, Dt:28.10.2021.
13. Vetted CA Scheme by Head Office, mail Dt: 29.10.2021.
14. Prl.C.C.F., TS Hyd, Rc.No. FC2/FC09/2/2022/15854/2020/FCA-1, Dt:02.07.2023.

It is submitted that, the Principal Chief Conservator of Forests (HoFF) Telangana, Hyderabad vide reference cited 14th cited has communicated the project wise split CA DGPS map for the non-forest land for C.A. **44.4886 ha**, identified in Sy.No.322 of Pangidimadara (v), Tiryani (M) of Asifabad and Kagaznagar Division (for 15 roads) each project wise the details are as follows.

Sl No	Circle	District	Name of the Proposals	CA land required in Ha
1	Adilabad	KB-Asifabad	Sirpur to Methandani	8.6142
2	Adilabad	KB-Asifabad	BT Road from Raghavapur to Govena	1.744
3	Adilabad	KB-Asifabad	BT Road from Govena to Jamuldhara	3.412
4	Adilabad	KB-Asifabad	BT Road from Kereguda to Dampur	4.1077
5	Adilabad	KB-Asifabad	BT Road from Gundala to Mangi	3.9
6	Adilabad	KB-Asifabad	BT Road from Kamana to Sarkepalli	0.521
7	Adilabad	KB-Asifabad	BT Road from Vanjariguda to Geethabanda	1.018
8	Adilabad	KB-Asifabad	BT Road from Movad to Chorpalli	5.139
9	Adilabad	KB-Asifabad	BT Road from Movad to Koutan Movad	1.419
10	Adilabad	KB-Asifabad	BT Road from Sirpur (U) to Devudpally	0.327
11	Adilabad	KB-Asifabad	BT Road from Pangidi to Madhura Thanda	2.983
12	Adilabad	KB-Asifabad	HLB on Dimda to Chittam at km 4/850 km 5/340	3.291
13	Adilabad	KB-Asifabad	Kazipet to Ballarsha Section	2.3495
14	Adilabad	KB-Asifabad	BT Road from Kammergaon to Nadigaon	2.1948
15	Adilabad	KB-Asifabad	BT Road from Karji to Loha	2.4746
			Total- A	44.4886

In view of the above, I am submitting herewith the **Revised** CA scheme for vetting (for 15 Roads projects) for Non-Forest CA Land (NFL) for 45.00 Ha and CA scheme for Development of Degraded Forest Land (DFL) for 45.00 Ha of Kumuram Bheem-Asifabad District in lieu of Diversion of Forest land for Road projects in Asifabad & Kaghaznagar Divisions of Kumuram Bheem-Asifabad District pertains to R&B Department and requested to kindly approval of the above scheme of Kumuram Bheem-Asifabad District.

Sl No	Name of the Scheme	Area in Ha	Amount in lakhs
1	CA scheme for Non-Forest CA Land for 45.00 Ha in Sy. No. 322 of Pangidimadra village of Tiryani Mandal of Ginnedhary Range Asifabad Division	45.00	449.021
2	CA scheme for Development of Degraded Forest Land for 45.00 Ha in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division	45.00	356.447
	Total		805.468

This is submitted for favour of kind information.

Yours faithfully,

District Forest Officer,
KB-Asifabad

Copy submitted to the Chief Conservator of Forests & Field Director Project Tiger, Kawal Tiger Reserve, Mancherial for kind information.

Copy to the Forest Divisional Officer, Asifabad for information.

District Forest Officer,
KB-Asifabad

CA SCHEME

CA scheme for Non Forest Land (NFL) for 44.4886 Ha in Pangidimadara (v), Tiryani (M) of Ginnedhary Range of Asifabad Division and Development of Degraded Forest Land (DFL) for 45.00 Ha in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad & Kagaznagar Divisions of Kumuram Bheem-Asifabad District under LWE roads of Roads & Building (R&B) Department.

A) Detail of Compensatory Afforestation land(NFL)

Area: 44.4886 Ha

Sy.No: 322

Village: Pangidimadara (v),

Mandal: Tiryani

Range: Ginnehdary

Division: Asifabad

District :Kumram Bheem Asifabad

Circle : Kawal Tiger Reserve Mancherial

B) Detail of Degraded Forest Land (DFL):

Area: 45.00

Compt No. 55

Beat: Itikalpahad

Mandal: Sirpur (T) & Section : Makidi

Range: Sirpur

Division: Kaghaznagar

District :Kumram Bheem Asifabad

Circle : Kawal Tiger Reserve Mancherial

CA scheme for Non Forest Land (NFL) for 44.4886 Ha in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnedhary Range of Asifabad Division and Development of Degraded Forest Land (DFL) for 45.00Ha in Kaghaznagar Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings (R&B) Department.

1.0 INTRODUCTION:

The Principal Chief Conservator of Forests, (HoFF) Telangana, Hyderabad vide Rc.No. FC2/FC09/2/2022/15854/2020/FCA-1, Dt:02.07.2023 has requested to prepare CA scheme over 44.4886 Ha for Non-forest land in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnehdary Range of Asifabad Division in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings (R&B) Department of Kumuram Bheem-Asifabad District.

Sl No	Circle	District	Name of the Proposals	CA land required in Ha
1	Adilabad	KB-Asifabad	Sirpur to Methandani	8.6142
2	Adilabad	KB-Asifabad	BT Road from Raghavapur to Govena	1.744
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12	Adilabad	KB-Asifabad	HLB on Dimda to Chittam at km 4/850 km 5/340	3.291
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14	Adilabad	KB-Asifabad	BT Road from Kammergaon to Nadigaon	2.1948
15	Adilabad	KB-Asifabad	BT Road from Karji to Loha	2.4746
			Total- A	44.4886

The Non-Forest land identified in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnehdary Range of Asifabad Division is adjacent to compartment numbers. 146 of Tiryani R.F of Ginnedhary Range. The most of the area is covered with hard soil, boulders and mixed with sheetrock. The terrain is undulated and hillock area and the land is adjacent to compartment no. 146 of Chintalamadara Beat. 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 Tiryani 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 existing vegetation is 0.1 to 0.4 with good vegetation consists mainly of Teak (*Tectona grandis*), Moduga (*Butea Monosperma*), Bilugu, Tapsi, Tani (*Terminalia bellarica*) Nemalinara (*Holoptelia integrifolia*), Nallamaddi (*Terminalia elliptica*), Andugu and Kanuga (*Pongamia pinnata*).

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 most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area, there is no area suitable for taking up planting hence the area 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. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Garlapet R.F. However the identified non-forest land to an extent of **44.4886 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 **44.4886 Ha**, most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area, and 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	322	Pangidimadara village	Tiryani	Ginnedhary	44.4886	Tiryani RF	Adjoining to Tiryani RF

Degraded Forest Land Area:

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kag haznagar	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet RF.

The Compensatory Afforestation for Non-Forest Land scheme is prepared over an area of 44.4886 Ha and for Degraded Forest Land over an area of **45.00 Ha** of basing on the Forest Schedule of Rates for the year 2023-24 of Zone-II with an escalation of 10% for 2023-24 and with an annual escalation of 10% for the subsequent years, provided the funds are to be deposited and released during the year 2023-24.

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 44.4886 Ha to be taken up under ANR and other forestry operation works and Degraded Forest area of 45.00 Ha is identified for CA. The plantations in 45.00 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	Ginnedhary	Tiryani	Pangidimadara (v) & 322	Tiyani	146	44.4886

Degraded Forest Land Area:

SL No	Division	Compt. No	Beat	Section	Range	Area in Ha.	Name of the RF
1	Kaghaznagar	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet

3.2 NAME OF THE SCHEME

Compensatory Afforestation scheme over 44.4886 Ha of Non Forest Land in Sy.No. 322 of Pangidimadara village of Tiryani Mandal of Ginnedhary Range of Asifabad Division of Kumram Bheem Asifabad District in lieu of Diversion of Forest land for (15) roads projects in Asifabad and Kaghaznagar Divisions of Kumuram Bheem-Asifabad District under LWE of Roads & Buidlings (R&B) Department of Kumuram Bheem-Asifabad District.

3.3 SITUATION

The proposed Compensatory Afforestation over area of 44.4886 Ha is situated adjacent to the RF Tiryani, near Compt. No. 146 of Ginnedhary Range, Tiryani Mandal of Asifabad Division and not fit for raising of CA Plantations, hence a Degraded Forest Land to an extent of 45.00 Ha is identified for taking up plantation with 3mx3m espacement in Compt. No. 55 of Itikalpahad Beat of Makidi Section of Sirpur Range of Kaghaznagar Division of Garlapet 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 most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area.

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 0.1 to 0.4 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
2023-24	1) Nursery infrastructure, Maintenance of vehicles & improvements / Maintenance of Offices
2024-25	1) Protection works of NFL with Boundary pillars & Fencing with chainlink 2) Cultural operations & SMC works. 3) Purchase of bag plants and Conversion of Nursery 4) Nursery Infrastructure 5) Advance Operations for Plantation. 6) Animal trackers 7) SMC works. 8) Digging of CPT along DFL area 9) Base camp

2025-26	1) Protection works of NFL with Boundary pillars 2) Maintenance of Fire Lines 3) SMC works for NFL 4) Purchase of bag plants and Conversion of Nursery 5) Maintenance of Nursery 6) Raising of Plantations 7) Animal Trackers 8) Stabilization of CPT 9) Base camp
2026-27	Cultural Operations. Base camp Maintenance of New Fire Lines Maintenance of Nursery 1 st Year maintenance of plantation Animal trackers
2027-28	2nd Year maintenance of plantation Animal trackers Maintenance of Fire Lines Base camp
2028-29	3rd Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers Base camp
2029-30	4th Year maintenance of plantation Maintenance of Fire Lines Animal trackers
2030-31	5th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers
2031-32	6th Year maintenance of plantation Maintenance of Fire Lines Animal trackers
2032-33	7th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines Animal trackers
2033-34	8th Year maintenance of plantation Maintenance of Fire Lines
2034-35	9th Year maintenance of plantation Cultural Operations. Maintenance of Fire Lines
2035-36	10th Year maintenance of plantation Maintenance of Fire Lines

3.11 COST STRUCTURE:

Compensatory Afforestation scheme for **Rs. 805.47 lakhs** is prepared. The year wise expenditure will be as hereunder.

Sl No	Year	Amount in Lakhs		
		NFL	DFL	Total
1	2023-24	23.97	0.00	23.97
2	2024-25	334.38	89.28	423.66
3	2025-26	45.53	114.54	160.08
4	2026-27	5.41	42.59	47.99
5	2027-28	4.45	26.97	31.42
6	2028-29	5.96	16.19	22.15
7	2029-30	2.60	17.81	20.41
8	2030-31	4.44	10.95	15.39
9	2031-32	3.03	2.40	5.44
10	2032-33	5.26	13.25	18.51
11	2033-34	3.56	2.91	6.46
12	2034-35	6.24	16.03	22.28
13	2035-36	4.19	3.52	7.71
	Total	449.02	356.45	805.47

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 44.4886 Ha is most of the area is covered with hard soil, boulders and mixed with sheetrock & the terrain is undulated and hillock area with having good vegetation. It is proposed to protect the area by Chain link fence by user Agency and SMC works i.e., SCTs etc., and by takingup cultural operations and fire management works. It is also proposed to take up Afforestation planting over an area of 45.00 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 **45.00 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	55	Itikalpahad	Makidi	Sirpur	45.00	Garlapet

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 2023-24 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 & Field Director Project Tiger, Kawal Tiger Reserve, Mancherial shall monitor the implementation of the conditions of Compensatory Afforestation and the survival of the plants planted.


District Forest Officer,
KB-Asifabad