

**Compensatory Afforestation Scheme in CA NFL of 3 acres (2.21 Ha) in Sy No. 237/2 in Chityal village of Adavidevulapally Mandal and CA DFL of 1.1509 Ha Degraded forest land 1.1509 Ha in Nalgonda Division in lieu of diversion of 1.1509 Ha Forest land in Gollaguda CA land (Proposed Gollaguda III RF Block of 4.99142 Acres in SY No.474 (Nalgonda) in lieu of diversion of forest land for Goplaipally Reservoir in favor SE, RWS, Nalgonda circle adjacent to Gollaguda I RF Block) for the Construction of Permanent Helipad adjoining Potti Sriramulu Telugu Vishwa Vidyalayam university and District Collectorate office of Nalgonda district.**

**Introduction:** The Prl. Chief Conservator of Forests (HoFF), T.S., Hyderabad in reference No. 1357/2022/FCA-4, dt: 01.02.2022 while forwarding the proposals received from ENC, R&B (NH), Telangana State, Nalgonda circle for 1.1509 Ha in Proposed Gollaguda III RF Block for the Construction of Permanent Helipad adjoining Potti Sriramulu Telugu Vishwa Vidyalayam university and District Collectorate office of Nalgonda district, issued instructions to process the proposals as per Forest (Conservation) Act 1980. Further, the Prl. Chief Conservator of Forests, T.S., Hyderabad has instructed to prepare CA Scheme in degraded forest area (less than 0.4 density) with 7-10 years maintenance to the extent of shortfall of planting in NFL CA area.

(a) Total Area diverted is :1.1509 Ha

Sl. No.	Division	Range	Section	Beat	RF	Compl., No.	Area in Ha
1	Nalgonda	Nalgonda	Nalgonda	Nalgonda	Gollaguda-II	--	1.1509
Total :							1.1509

(b) Details of the CA NFL area:-

**I) Identification and allotment of CA NFL area:-** The District Collector, Nalgonda has identified vide Lr No.E2 /770 / 2022, dt. 2.02.2022 and instructed to inspect and submit suitability certificate for the identified CA NFL land of 3 acres (2.21 Ha) in Sy No. 237/2 in Chityal village of Adavidevulapally Mandal. The FDO and DFO, Nalgonda vide DFO and FDO, Nalgonda Re No. 164/2022/S9, dt. 2.02.2022 basing on the report of the FRO, Miryalaguda dt. 2.02.2022 reported that the identified NFL CA land is free from the encroachment and almost similar to the adjacent land in Adavidevulapally RF block, the tree growth is scrub jungle with density of 0.1 to 0.2 and rocky boulders are present, and the plantation is not possible in this land, but can be received as per the guidelines issued by the Ministry and need to be done in CA DFL site to meet requirement of planting 1000 plants/ha. In CA NFL Chain link fencing work around the CA land, SMC works proposed for improving the vegetative growth to restrict the cattle movement (causing disturbance to the regeneration). The suitability and non-encumbrances certificate submitted. Accordingly, the District Collector, Nalgonda vide District Collector Lr No.E 1/770 / 2022, dt. 2.02.2022 has issued allotment letter in lieu of diversion for this project.

The details of the CA NFL land is as follows.

Sl. No.	District	Division	Range	Mandal	Village	Sy.No	Area in Ha
1	Nalgonda	Nalgonda	Miryalaguda	Adavidevulapally	Chityala	237/2	1.21
Total :							1.21

**II) Activities proposed:-** Protection of the site by chain link fencing and Gate, improvement of the site for wildlife since it is adjacent to the Adavidevulapally RF, digging of Bore well cum Solar bore well and Soil moisture conservation works (SMC) are proposed. Protection watcher provision was also given.

**III) Cost of the (Scheme) Project:** The following CA scheme is proposed in the CA NFL area.

Sl. No	Item of work	Total	
		Phy	Fin
III	Drilling of Bore wells (Incl. 180mm dia PVC 06Kgs/cm2 casing pipe, Geological survey charges etc.,)	1	0.78720

IV	Installation of Solar Pump sets incl. pipe line	1	4.20000
V	Cost of Protection Watcher	5	7.06673
<b>Sub Total :</b>			<b>12.05393</b>
VI	SMC works (MPT)	1	1.84800
VIII	<b>Forest Protection</b>		
1	Construction of Gate	1	1.10988
2	Chain link fencing	0.6810	20.19546
<b>Sub Total :</b>			<b>21.30534</b>
<b>Total - NFL</b>			<b>35.20727</b>
<b>10% Administrative cost</b>			<b>2.81658</b>
<b>Grand Total</b>			<b>38.02385</b>

Total CA NFL scheme is proposed for Rs. 35.20727 lakhs. Since the fresh planting is not possible same is proposed in the CA DFL area and details are furnished on the below paragraphs.

**(C) CA DFL land details and scheme proposed.**

**I. Identification of degraded forest area:** The Forest Range Officer, Miryalaguda to whom the matter was referred for identification of degraded forest area in lieu of diversion of forest land of 1.1509 Ha for the above-mentioned project, has identified degraded forest land of 1.1509 Ha in Miryalaguda Range of Nalgonda Division are shown below. The surveyed sketch of the degraded forest area and location on Toposheet 1:50000 are enclosed to the scheme proposals. The area details are shown below:

Sl. No	Division	Range	Section	Beat	RF	Compt. No.	Area in Ha
1	Nalgonda	Miryalaguda	Damercherla	Kallepally	Dilawarpur	50	1.1509
<b>TOTAL</b>							<b>1.1509</b>

**II. Planting Techniques:** It is proposed to raise Miscellaneous Plantation by adopting artificial regeneration under Semi-Mechanical Method in the said degraded forest areas. The said areas with red loam soil and sandy soil which are suitable for planting for raising Miscellaneous plantation as per the guidelines issued by Prl. Chief Conservator of Forests (HoFF). It is noticed that the afforestation will prevent the attempt of encroachment besides cover the forest land with good tree growth.

**III. Activities proposed under Semi-Mechanical Method in Degraded forest of 1.1509 Ha**

**1. Advance cum Raising of plantations proposed from 2022-23:**

The advance works under Semi-Mechanical Method includes clearance of misc. growth, uprootal of stumps, tilling and heaping and burning. The espacement proposed is 3 M x 3 M - 1111 plants/ Ha. The activities including ploughing, alignment, Scoping and Planting in 45 Cms. Cub pits, with misc. species under the direct supervision of the Forest Range Officer concerned. One circular weeding, Circular weeding cum deep soil working, one critical watering / 2 critical waterings, Application of fertilizers, inter-ploughing, protection watcher etc.

**2. Maintenance of plantations:** Maintenance of plantations was taken up to 10 years as per calendar operations from 2023-2032-33

**IV) Cost of the (Scheme) Project:** Total cost of the project is Rs. 10.42639 lakhs. The details (abstract and unit costs) are shown in Annexure 1.

Sl. No	Item of work	Total	
		Phy	Fin
1	2	3	4
<b>Proposal for DFL</b>			
I	Raising of SMM plantation - DFL		
I	Advance Cum Raising of Plantation	1.1509	5.59281
<b>Sub Total :</b>			<b>5.59281</b>



II	Maintenance of plantations		
1	1st Year	1.1509	0.61465
2	2nd Year	1.1509	0.56104
3	3rd Year	1.1509	0.34276
4	4th Year	1.1509	0.23531
5	5th Year	1.1509	0.34332
6	6th Year	1.1509	0.28472
7	7th Year	1.1509	0.41542
8	8th Year	1.1509	0.34452
9	9th Year	1.1509	0.50265
10	10th Year	1.1509	0.41686
	<b>Sub Total :</b>		<b>4.06125</b>
	<b>Total - DFL</b>		<b>9.65406</b>
	<b>10% Administrative cost</b>		<b>0.77233</b>
	<b>Grand Total</b>		<b>10.42639</b>

**D. Project period:** It is proposed to implement the scheme from 2021-22 to 2032-33 for a period of (12) years.

**E. Project Implementation Agency:** The Forest Divisional Officer, Nalgonda will be the Project Implementation Agency and work will be taken up through the Forest Range Officer, Miryalaguda. The raising of Compensatory Afforestation Plantation requires additional manpower and mobility. One Data Entry Operator for initial (3) years in Division office, accordingly, necessary provisions are made in the Scheme proposals under Administrative Cost - 8% of the Scheme Value.

**F. Cost structure:** Basic rates proposed as per FSR 2021-22 and CSSR 2021-22 and 10% price escalation is proposed every year on the basic rate of FSR 2021-22 and CSSR 2021-22. The details of year-wise physical and financial target are enclosed in Annexure No. I. Unit cost of different planting techniques and plantation operations are shown in separate sheets and are enclosed. 8% of the CA scheme of NF and DFL for administration expenses.

**H. Employment Generation:** The CA DFL degraded forest land proposed for Compensatory Afforestation is located in Damercherla Mandal. The local labor mostly Tribals along with Scheduled Castes will be benefitted by implementation of this project for their daily livelihood, generation expected to be created is 3120 man-days during the project period from 2021-22 to 2032-33 (60% manual component District Collector, Nalgonda Un skilled- wage rate during 2021-22 on Rs. 423/- per day. CA NFL is located in Adavidevulapally Mandal and the local person will be employed as protection watcher for 11 years period including raising year.

**I. Annexures:**

Annexure I	Year wise Estimated cost Compensatory Afforestation
Annexure II	Unit cost Data sheets

Further, it is mentioned that in case the selected locations and the areas are unavailable for taking up planting anticipating the delay of approval of the proposal, suitable degraded areas will be selected and planting will be taken up and accordingly the deviation, in any in implementing the scheme will be borne by the User Agency in the jurisdiction of Nalgonda Division. Similarly, it is also mentioned that the User Agency will be remitting the equal amount into CAMPA Account, in case the degraded forest lands were taken up for re-afforestation with any funding agency since Nalgonda Forest Division has been taking up re-afforestation in the retrieved areas of forest lands, where encroachment problem is severe. To curb the encroachment problem and re-afforestation the gap areas this modification is proposed.

  
 Forest Divisional Officer (FAC) &  
 District Forest Officer,  
 Nalgonda.