

**COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR RAISING CA PLANTATION IN
18.6235 HA. DEGRADED FOREST LAND IN REGALLA RANGE IN LIEU OF DIVERSION OF
25.8435 HA. FOREST LAND IN MANUGURU DIVISION FOR LAYING OF RAILWAY LINE FROM
MANUGURU RAILWAY STATION TO BHADRADRI THERMAL POWER STATION, MANUGURU
IN FAVOUR OF CHIEF ENGINEER / CIVIL, THERMAL, TSGENCO, VIDYUT SOUDHA,
HYDERABAD**

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INTRODUCTION:

The Principal Chief Conservator of Forests, Telangana State, Hyderabad vide Rc.No.6727/2018/FCA-3/P5, Dt: 19.09.2019 while conveying the acceptance of the ETS & DGPS / GNSS survey data submitted by the Chief Engineer / Civil, Thermal, TSGENCO, Hyderabad pertaining to the Non-Forest land over an extent of Ac. 46.00 gts (18.6235 Ha.) in Sy.No. 28, Ulvachelka Village, Allapally Mandal of Bhadradi Kothagudem District proposed for Compensatory Afforestation in lieu of diversion of 25.8435 Ha. forest land in Manuguru Forest Division for laying of Railway line from Manuguru Railway Station to Bhadradi Thermal Power Station, Manuguru instructed the undersigned to prepare Compensatory Afforestation scheme.

The undersigned has inspected the said non-forest land on dt: 20.09.2019 and noticed that the land with an extent of 99.55 Ha. is an enclosure within Markode RF which is notified U/s. 15 of AP Forest Act, 1967, vide G.O.Ms. No. 217, Forests and Rural Development (For. III) Dept., Dt: 08.07.1974. It is also noticed that the said land is located in the core area of Kinnerasani Wildlife Sanctuary of Rangapuram Beat, Padigapuram Section, Regalla Range and is covered with tree growth of species Tuniki, Pala, Barre duddi, Chilaka duddi, Aare, Bojja, Batta ganam, Ippa, Neem, Rela, Maddi, Chirumanu, Chennangi, Ravi, Pusuga etc., with canopy density varying from 0.2 to 0.4 and as such it is more appropriate to take up SMC measures like Staggered contour trenches, construction of CC check dam across a nalah passing through the area etc. and also creation and maintenance of fire lines to protect the Wildlife habitat in the area. Instead, Compensatory Afforestation is proposed in retrieved forest land over an extent of 18.6235 Ha. in Compt.No. 55, Kichinapally(S), Markode Section / RF of Regalla Range under Semi Mechanical Method with 3m X 3m espacement. The details are as follows.

Continuous Peripheral Trench around the proposed CA plantation site and other protective measures are proposed to be taken up with twin objectives of Soil & Moisture conservation and creating green cover. Scheme is prepared with an outlay of **Rs. 202.36047 Lakhs** for development of Degraded Forest area.

PROJECT COST:

The total financial out lay of the project is as follows:

S.No	Scheme Proposals	Cost in Lakhs
	CA-DFL	
1	Compensatory Afforestation in Degraded Forest Area	79.5025
2	Forest Protection including Fire protection & SMC works	29.63066
3	Habitat Improvement	8.66135
4	Administrative Cost	11.77945
	Total:	129.57397

	CA-NFL	
1	Cultural operations	17.44736
2	Protection of Non forest CA land	3.58160
3	SMC Works	35.67383
4	Habitat improvement works	9.46676
5	Administrative Cost	6.61695
	Total:	72.78650
	Grand Total:	202.36047

LOCATION OF THE AREA PROPOSED FOR COMPENSATORY AFFORESTATION IN DEGRADED FOREST AREA:

The Compensatory Afforestation Scheme is aimed at creating green cover and improvement of crop density and ultimately quality of Forests. In view of this, retrieved forest land over an extent of 18.6235 Ha. in Compt. No. 55 of Markode Reserve Forest of Regalla Range of Kinnerasani Wildlife Management Division has been identified and proposed for Compensatory Afforestation.

LEGAL STATUS OF THE PROPOSED CA AREA:

The proposed retrieved forest land identified for Compensatory Afforestation in Compt. No. 55 of Markode Section, Regalla Range of Kinnerasani Wildlife Management Division is part and parcel of Markode RF notified under Section 15 of AP Forest Act, 1967, vide G.G.O.Ms. No. 217, Forests and Rural Development (For. III) Dept., Dt: 08.07.1974.

SOIL DESCRIPTION AND TERRAIN:

The selected forest land with degraded plain areas with accessibility to road network and are degraded mainly due to encroachment by local people and are found suitable for Compensatory Afforestation.

In the proposed area, the soils are eroded and are ranging from Black Soil, Sandy loam etc.

FLORA AND FAUNA:

There is Wildlife in the area like Spotted Deer, Four Horned Antelope, Bison, Sambar, Nilgai etc., Therefore, measures for restoration of vegetation, creation of sufficient water sources / fodder and legume species to the wild animals and overall protection are proposed. The flora consists mainly of Bandaru, Billudu, Tuniki, Ippa, Yegisa etc.

PROJECT COST:

The total financial out lay of the project is **Rs. 202.36047 Lakhs**. The annual requirement of funds have been worked out on the base cost of 2019-20 FSR with 10% annual escalation for the remaining project period up to 2032-33. The component wise details in brief are as follows.

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MODE OF EXECUTION:

It is proposed to implement the above scheme by Departmental execution method. In addition to the existing staff of Forest Department with required logistic support, necessary manpower required for effective implementation of the project will be hired through outsourcing.

Annexures:

Annexure	I	Abstract of Compensatory Afforestation Scheme in Degraded Forest Area and Non forest land.
Annexure	II	Year wise estimated cost for Compensatory Afforestation in Degraded Forest Area.
Annexure	III	Unit cost Data sheets


Forest Range Officer,
Regalla.


Forest Divisional Officer,
W.L.M., Kinnerasani.

ABSTRACT - Annexure - I

Sl. No.	Component	2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		2031-32		2032-33		Total	
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.
1	2	3	5	6	8	9	11	12	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38			39	40
	CA-NFL																												
1	Cultural Operations	19	1.831	19	0.652	19	2.216	19	0.788	19	2.681	19	0.954	19	3.245	19	1.154	19	3.926	19	0.000	19	0.000	19	0.000	18.719	0.000		17.44736
2	Protection of non-forest CA land	100	3.582		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	3.58160	
3	SMC Works		10.285		19.898		5.490		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	35.67383	
4	Habitat Improvement works		0.000	19	7.297	19	2.170		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	9.46676	
5	Administrative Cost - 10%		1.570		2.785		0.988		0.079		0.268		0.095		0.324		0.115		0.393		0.000		0.000		0.000		0.000	6.61695	
	CA-NFL Total		17.268		30.631		10.864		0.867		2.950		1.049		3.569		1.270		4.318		0.000		0.000		0.000		0.000	72.78650	
	CA-DFL																												
1	Raising of Plants in Nurseries & their Maintn. Procurement of Plants	0.35	2.022	0.35	3.966	0.35	1.976		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	7.96377	
2	Planting activities (SMM) in DFL	19	0.000	19	11.403	19	16.467	19	8.526	19	7.603	19	4.857	19	4.294	19	4.002	19	1.004	19	4.842	19	1.214	19	5.859	19	1.469	71.53873	
3	SMC Works		9.378		9.250		5.930		5.073		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000	29.63066	
4	Habitat Improvement works				6.913		1.748																					8.66135	
5	Administrative Cost - 10%		1.140		3.153		2.612		1.360		0.760		0.486		0.429		0.400		0.100		0.484		0.121		0.586		0.147	11.77945	
	CA-DFL Total		12.539		34.686		28.732		14.96		8.363		5.342		4.723		4.402		1.104		5.326		1.336		6.444		1.616	129.57397	
	GRAND TOTAL:		29.807		65.318		39.596		15.826		11.313		6.392		8.292		5.672		5.422		5.326		1.336		6.444		1.616	202.36047	

Forest Range Officer
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