

**COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR RAISING CA PLANTATION IN  
7.9567 HA. DEGARDED FOREST LAND IN MANUGURU 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. 19.653 gts (7.9567 Ha.) in Sy.No. 1 & 2, Sambaigudem Village, Manuguru 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 and submit Compensatory Afforestation scheme.

The undersigned has inspected the said non-forest land on dt: 23.09.2019 and made the following observations.

1. The land is covered with hilly terrain with moderate slope and red soils consisting tree growth with species like Tuniki, Kodisa, Pala, Chirumanu, Chennangi, Barriduddi, Buruga, Musti, Palakodisa, Boothangi etc.,
2. An high tension power line is passing over the proposed land in South-East to North-West direction over a length of around 210 mtrs with 30 mtrs width.
3. There is a huge irrigation tank by name Perantala cheruvu situated on the Southern side of the proposed land and Kondaigudem Reserve Forest is located at the foreshore of this tank on Southern side.
4. The nearest forest to this land is the Kondaigudem Reserve Forest located at a distance of around 250 mtrs from survey station DG33 on South-east direction of the land.
5. One BT road is passing on the Northern side of the land connecting Sambayagudem Village and Pagideru Village of Manuguru Mandal.
6. Barrow pits with average depth of 1.5 mtrs have been dug over an area around 2.00 Ha. in the land and gravel has been taken away by local people and BTPS authorities as informed by the Assistant Engineer, BTPS which needs to be treated with planting of hardwood species like Hardwickia binnata, Nemalinara, Ficus, Neem etc., under LI method by digging 0.60 m x 0.60 m x 0.60 m pits at 3m x 3m espacement with high inputs like filling the pits with soil mixture consisting of imported soils, FYM, tank silt and sand. The balance area need not be planted as the same is covered with tree growth but proposed for removal of obnoxious weed growth, cultural operations and digging of continuous peripheral trench along with erection of chain link fence around the entire land to ensure proper protection from biotic interference.

In general the site is most suitable for development of Eco-tourism by virtue of its location by the side of a black tapped road and presence of huge irrigation tank on the southern side which is a perennial source. Therefore, the following works are proposed for Eco-tourism.

- (i) Development of inspection path over a length of 4.0 km with 4.0 m wide along the foreshore of the above tank within the reserve forest.
- (ii) Creation of Children play area.
- (iii) Creation of visitor amenities such as benches, pagodas, toilets etc.
- (iv) Beautification of tank bund with solar lights, watch tower etc.
- (v) Creation of boating facilities.

#### **COMPENSATORY AFFORESTATION IN DEGRADED FOREST LAND:**

Since there is only 2.0 Ha. non-forest land suitable for Afforestation out of 7.9567 Ha., retrieved forest land over an extent of 6.0 Ha. has been identified in Compt.No. 208, Nellipaka-B RF, Mondikunta Beat, Eravendi Section of Aswapuram Range for raising balance Compensatory Afforestation.

#### **LEGAL STATUS OF THE PROPOSED CA AREA:**

The proposed retrieved forest land identified for Compensatory Afforestation in Compt. No. 208 of Nellipaka-B RF is notified under Section 15 of AP Forest Act, 1967, vide G.O.Ms. No. 263, Forests and Rural Development (For. III) Dept., Dt: 23.03.1975.

#### **SOIL DESCRIPTION AND TERRAIN:**

The selected forest land with degraded plain areas with accessibility to road network and is degraded mainly due to encroachment by local people and is 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 etc., tree species constitute mainly Narayepi, Nallamaddi, Chirumanu, Rela, Billudu etc.

#### **PROJECT COST:**

The total financial out lay of the project is **Rs. 105.90902 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.



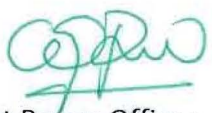
S. No.	Scheme Proposals	Cost in Lakhs
<b>Compensatory Afforestation - in Non-forest land:</b>		
1	Compensatory Afforestation in 7.9567 Ha. NFL	9.49737
2	Cultural Operations	4.01865
3	Protection of non-forest CA land	38.52640
4	SMC Works	4.84061
5	Habitat Improvement works	1.77029
6	Administrative Cost	4.91559
	<b>Sub Total:</b>	<b>63.56891</b>
<b>Compensatory Afforestation - in degraded forest land:</b>		
1	Compensatory Afforestation in 6.0 Ha. DFL	26.46527
2	SMC Works	10.91329
3	Habitat Improvement works	1.11245
4	Administrative Cost	3.84910
	<b>Sub Total:</b>	<b>42.34011</b>
	<b>GRAND TOTAL:</b>	<b>105.90902</b>


#### **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 non-forest land.
Annexure	II	Abstract of Compensatory Afforestation Scheme in degraded forest land.
Annexure	III	Unit cost Data sheets

  
Forest Range Officer,  
Aswapuram.

  
**FOREST RANGE OFFICER**  
MANUGURU

  
Forest Divisional Officer,  
Manuguru.

**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	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	CA-NFL																												
1	Raising of Plants in Nurseries & their Maint., Procurement of Plants	3600	0.208		0.408		0.203		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.81913
2	Planting activities (SMM) in NFL	2	0.000	2	1.225		2.537		1.141		0.817		0.522		0.461		0.430		0.108		0.520		0.130		0.629		0.158		8.67824
3	Cultural Operations	8	0.530		0.000		0.641		0.000		0.775		0.000		0.938		0.000		1		0.000		0.000		0.000		0.000		4.01865
4	Protection of non-forest CA land	8	38.526		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		38.52640
5	SMC Works	8	0.908		2.396		1.537		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		4.84061
6	Habitat Improvement works	8	0.000		0.843		0.927		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		1.77029
7	Administrative Cost - 10%		3.996		0.324		0.311		0.000		0.078		0.000		0.094		0.000		0.114		0.000		0.000		0.000		0.000		4.91559
CA-NFL Total:			44.168		5.195		6.156		1.141		1.669		0.522		1.493		0.430		1.356		0.520		0.130		0.629		0.158		63.56890
	CA-DFL																												
1	Raising of Plants in Nurseries & their Maint., Procurement of Plants	0.15	0.867		1.700		0.847		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000		3.41305
2	Planting activities (SMM) in DFL	8	0.000		3.674		5.306		2.747		2.450		1.565		1.384		1.289		0.323		1.560		0.391		1.888		0.473		23.05222
3	SMC Works		0.908		6.821		3.184		0.000																				10.91329
4	Habitat Improvement works		0.000		0.530		0.583		0.000																				1.11245
5	Administrative Cost - 10%		0.177		1.273		0.992		0.275		0.245		0.157		0.138		0.129		0.032		0.156		0.039		0.189		0.047		3.84910
CA-DFL Total:			1.951		13.998		10.912		3.022		2.695		1.722		1.522		1.418		0.356		1.716		0.430		2.077		0.521		42.34011
GRAND TOTAL:			46.119		19.193		17.068		4.164		4.364		2.243		3.015		1.848		1.712		2.236		0.561		2.706		0.679		105.90902

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