

Compensatory Afforestation land identified for 13.2653 Ha in Nagarjunasagar (WL) Division at Sy.No.299, Yellapuram(V) of Rajavaram RF in lieu of diversion of 13.2653 Ha Forest land in Nalgonda Division for Construction of Railway line from Vishnupuram Railway Station to (5 x 800 MW) YTPS, Veerlapalem (V) in f/o. TSGENCO.

I. Introduction:

Diversion of 13.2653 Ha Forest land in Nalgonda Division for Construction of Railway line from Vishnupuram Railway Station to (5 x 800 MW) YTPS, Veerlapalem (V) in F/o. TSGENCO of Nalgonda District. Further, the Prl.Chief Conservator of Forests, T.S., Hyderabad has instructed to prepare CA Scheme for identified CA area with 20 years maintenance.

(A) CA NFL land details and scheme proposed.

1) Identification of Compensatory afforestation Land:

The Forest Range Officer, Nagarjunasagar to whom the matter was referred for identification of CA land in lieu of diversion of forest land of 13.2653 Ha for the above-mentioned project in Nagarjunasagar Range of Nagarjunasagar Division are shown below. The surveyed sketch of the Compensatory Afforestation land and location on Toposheet 1:50000 are enclosed to the scheme proposals. The area details are shown below:

Sl. No	Division	Range	Section	RF	Sy.No.	Area in Ha
1	N.Sagar	Nagarjunasagar	Rajawaram	Adjacent to Rajawaram	299	13.2653

It is submitted that out of 13.2653 Ha CA area only <sup>9.00</sup>~~9.66~~ Ha area suitable for planting and remaining <sup>4.66</sup>~~4~~ Ha is identified to take DFL planting at compt.no.72, Nellikal Beat of Nellikal RF of Nagarjunasagar Range.

II. Planting Techniques

It is proposed to raise Miscellaneous Plantation along the pathway both sides at 2 mtr distance @ 1000 plants / km including 20 years maintenance. 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 in Rc.No.43246/2012/CAMPA, dt.29.11.2012. It is noticed that the afforestation will prevent the attempt of encroachment besides cover the forest land with good tree growth.

1. Raising of plantations:

The Raising of plantations along the pathway both sides at 2 mtr distance. The espacement proposed is gap plantation @ 1000 Nos per Km. The activities including ploughing, alignment, Digging of Pits, planting 60 cm<sup>3</sup> pit, with misc. species under the direct supervision of the Forest Range Officer concerned. Two weeding and Circular weeding, waterings, Application of fertilizers, protection watcher et.,

2. Maintenance of plantations

Maintenance of plantations was taken up to 20 years as per calendar operations.

Planting targets proposed.

2024-25	-	Raising of Plantation
2025-26 to 2044-45	-	Maintenance of Plantations

**Iy, Cost of the (Scheme) Project**

Total cost of the project is Rs.388.83711 lakhs.

The details are shown in Annexure 1.

Sl. No	Item of work	Total	
		Phy	Fin
1	2	3	4
	<b><i>Proposal for CA - NFL</i></b>		
I	<b>Raising of Pathway plantation</b>		
1	Raising of Plantation	4	18.00304
	<b>Sub Total :</b>		<b>18.00304</b>
II	<b>Maintenance of plantations</b>		
1	1st Year	4	7.69792
2	2nd Year	4	4.53184
3	3rd Year	4	3.71407
4	4th Year	4	6.98130
5	5th Year	4	7.32172
6	6th Year	4	8.44738
7	7th Year	4	9.29211
8	8th Year	4	10.22133
9	9th Year	4	12.36778
10	10th Year	4	13.60458
11	11th Year	4	3.45324
12	12th Year	4	3.79856
13	13th Year	4	4.17842
14	14th Year	4	4.59626
15	15th Year	4	5.05589
16	16th Year	4	5.56147
17	17th Year	4	6.11762
18	18th Year	4	6.72938
19	19th Year	4	7.40232
20	20th Year	4	8.14255
	<b>Sub Total:</b>		<b>139.21574</b>
1	Drilling of Bore wells (incl. 180mm dia PVC 06Kgs/cm <sup>2</sup> casing pipe, Geological survey charges etc.,)	2	3.60000
2	Installation of Solar Pump sets incl. pipe line	2	15.60000
3	Construction of Watcher Sheds	1	9.00000
	<b>Sub Total:</b>		<b>28.2000</b>
1	SMC works (Mini PTS, CDs & RFDs)	5	46.20
	<b>Sub Total:</b>		<b>46.20</b>
	<b>Forest Protection</b>		
	Chain Link mesh & RCC poles	1.73	73.26550
	Construction of Gate (Entry & Exit - 2 Nos)	2.00	4.80000
	Creation of Inspection Paths/ Pathways	1.73	8.30400
	Construction of Fire Watch Tower	1.00	11.00000
	Purchase of Tractor with Tanker	1.00	19.50000
	Publicity & Awareness	0.00	5.00000
	<b>Sub Total:</b>		<b>121.86950</b>
	<b>Total - NFL (9.66 Ha)</b>		<b>353.48828</b>
	<b>Admin cost @ 10 %</b>		<b>35.34883</b>
	<b>Gr.Total:</b>		<b>388.83711</b>

**D. Project period**

It is proposed to implement the scheme from 2023-24 to 2044-45 for a period of (22) years.

**E. Cost structure**

Basic rates proposed as per FSR 2022-23 and 10% price escalation is proposed every year on the basic rate of FSR 2022-23. The details of year-wise physical and financial target are enclosed in Annexure No. I. Unit cost of



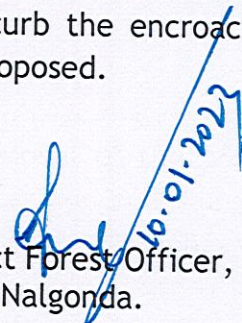
different planting techniques and plantation operations are shown in separate sheets and are enclosed.

- F. **Administrative cost:**  
10% of the CA scheme of NFL i.e., 35.34883 Lakhs is proposed for administration expenses.

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, 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 Nagarjunasagar (WL) 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 Nagarjunasagar (WL) 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.

  
District Forest Officer,  
Nalgonda.