



**INSPECTION REPORT OF COMPENSATORY AFFORESTATION LAND IDENTIFIED  
TO AN EXTENT OF 4.0802 HA., IN COMPT. NO. 611/9 OF BANDALINGAPUR RF,  
BEAT BANDALINGAPUR OF METPALLY SECTION & RANGE INSPECTION BY  
SRI. Y. NARASIMHA RAO, SFS., DISTRICT FOREST OFFICER, JAGTIAL  
ON 24.07.2018.**

**Introduction of the CA Scheme:**

The Executive Engineer, TS TRANSCO, Karimnagar has submitted the proposals for construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme in Jagtial District in lieu of diversion applied for the Project. The details are as follows.

Sl. No	Name of Range	Name of the Road	Forest Area in Ha.	C A Area in Ha.
1	2	3	4	5
1	Metpally	Construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme in Jagtial District	2.0401	4.0802

**The Diversion of Forest Area for construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme**

The proposed forest area for diversion of 2.0401 Ha. Of forest land in Jagtial District for construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme in Jagtial District.

Sl. No	Range	Section	Beat	RF	Comp. No.	Length in Mts.	Width in Mts	Area in Ha.
1	Metpally	Ibrahimpattam	Ibrahimpattam	Ganugutta	401	443.51	46	2.0401

**The Details of Degraded-Forest Land to be proposed for construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme**

In accordance with the Forest (Conservation) Act, 1980 raising Compensatory Afforestation is necessary in lieu of forest area proposed to be diverted for non-forestry purpose. The total area of Degraded-Forest land is identified to an extent of **6.424 Ha**

Out of which treatment area of **4.082 Ha in Comp No 611/9 of Bandalingapur RF. Out of 6.424 Ha., 4.082 Ha C.A. land earmarked for construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme.** The undersigned along with Forest Range Officer, Metapally and EE, TS TRANSCO staff inspected the sites on 24.07.2018.

### **Suitability of the Area of Degraded Forest Land:-**

The identified Degraded Forest Land is mainly moram, rocky soil, with gentle slope on fringes. The tree growth is very sparse. The composition of flora is *Tectona grandis* (Teak), *Holoptelia integrifolia* (Namalinar), *Azadirachta indica* (Vepa), *Wrightia tinctoria* (Palakodisa), *Chloroxylon swietenia* (Billudu), *Dalbergia paniculata* (Choppera), *Madhuca indica* (Ippa), Togar Mogilie, etc.

As per recent guidelines minimum 1000 plants/ha. of diverted land to be planted (or) min. no. of trees felled in the Forest land to be diverted whichever is higher. Hence, 689 trees are felled in the Forest land to be diverted. Forest land proposed for diversion is 2.0401 Ha. and the area identified is double the degraded forest land for CA to an extent of 4.0802 Ha. that means minimum  $4.0802 \times 1000 = 4080$  plants. 4,080 plants are higher, hence 4,080 plants are to be planted. 4.0802 Ha. C.A. land earmarked for **construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 400 KVSS Nirmal, Nirmal District under Nirmal Power Transmission Scheme.** Hence overall entire are 4080 plants are to be proposed for planting and this area will be protected by Cattle Proof Trench and taking up SMC works from ridge to valley concept to arrest the Soil erosion by executing SMC works like Check dams, STs & MPTs, in order to increase the Forest cover and wild life apart from the Ecological balance. As the proposed area falls in Low Rainfall Zone watering provision for plantation is to be provided for Raising of successful plantation. Further it is proposed for (1) Watch and ward though the area is below 10Ha and the area is encountered heavy biotic pressure.so it is badly need of Watch and ward to safeguard the plantation area.

### **Fire Tracing:**

The entire area is divided into four sectors and fire lines are proposed.

### **Project Implementation Agency:-**

The proposed Degraded Forest land is morum patches with trees & shrubs. The Area is suitable for protection purpose and SMC works like check dams STs & MPTs. The District Forest Officer, Jagtial will be the Project Implementation Agency and work will be taken up through Forest Range Officer, Metpally of Jagtial District. The miscellaneous works i.e, Cost of caution boards, Photos at every site. One watcher is required for protection of the total planting area including bund planting up to 04 years. Similarly it is proposed to hire one vehicle for inspection and monitoring the entire CA area raising and maintenance for 10 years. Accordingly provisions are made in the scheme.

### **Period of the scheme:**

Period of the scheme is for (10) years, Proposed (3) years take up the SMC works like check dams, P.Ts., CCT and remaining 7 years maintainance of plantation. The scheme period commencing from 2019-20 to 2029-30.

### **Cost Structure:**

The cost of the scheme is worked out by adopting present F.S.R. of 2018-19 with escalation of 10% in every succeeding year. Wherever provisions are not available, permission will be obtained from the Addl. Prl. Chief Conservator of Forests / Conservator of Forests, Karimnagar for adopting new items or rates. The total year wise cost structure of the project to an extent of 4.0802 Ha., as shown above. The details of requirement funds and year wise action plan given below. The unit cost of different planting techniques is shown below.

Sl. No.	Year	Amount Rs. in Lakhs
1	2019-20	26.0234
2	2020-21	6.1568
3	2021-22	5.1162
4	2022-23	1.4028
5	2023-24	1.1813
6	2024-25	0.8012
7	2025-26	0.3026
8	2026-27	0.8489
9	2027-28	0.3662
10	2028-29	1.0272
11	2029-30	0.4431
	<b>Total</b>	<b>43.6698</b>

  
**District Forest Officer,  
Jagtial**