

## SOIL SUITABILITY CERTIFICATE

Certified that, the EE (R&B), Jagtial has submitted the proposals for improvement of (3) roads in Jagtial District. The Non-Forest land identified for Compensatory Afforestation has been identified to an extent of 34.342 Ha in Sy. No. 479 of Govt. Land situated at Jabithapur (V) of Jagtial Rural (M) of Jagtial Range in lieu of diversion applied for the three projects. 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	Korutla to Mallapur Road 15/0 to 26/250	7.635	9.433
2	Raikal	Medipally to Bornapally Road 22/0 to 29/0	11.300	12.681
3	Jagtial	Rechapally to Thatlavai road 3/0 to 10/0	11.584	12.228
		Total	30.519	34.342

The identified Non- Forest Land is mainly moram, rocy soil and hillock, stone patches 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), Butea monosperma (Moduga), etc.

The non-Forest land is suitable for planting in Compensatory Afforestation @ 1000 tall seedlings plants/Ha may be proposed for planting by importing soil in open places and in viable gaps of local species in this **Rechapally to Thatlvai Road**. The balance area planting activities will not be taken up and this area will be protected by digging of peripheral trench and taking up SMC works from ridge to foot hill to arrest the Soil and Moisture like check dams, STs & RFDs, in order to increase the density and protection.

In view of the above stated reasons the above identified land admeasuring 12.228 Ha. is suitable for taking SMC works besides protecting the same. As per the instructions of Principal Chief Conservator of Forests, AP, Hyderabad vide R.C.No.PCCF, RC.No.54480/2008/F4, dated 16.11.2008 has issued instructions to " not to reject non forest land offered for Compensatory Afforestation unless it is a sheet rock and cannot be afforested by adopting any site specific suitable afforestation techniques". In view of the above recommended consider the above Compensatory Afforestation land. Protect the Compensatory Afforestation area from further degradation and carrying out Soil and

Moisture conservation works and digging of peripheral contour trenches around the C.A. area to protect the land in view of wildlife protection and ecological balance.

In view of heavy biotic pressure and fear of encroachment to be handing over Compensatory Afforestation lands, it is proposed to dig up peripheral trench, Top 2.0 Mtrs Bottom 1.500 Mtrs and 2.00 Mtrs depth size all around the periphery by keeping permanent pillar RCC and also chain link fencing by User Agency to hand over the area of Compensatory Afforestation before stage-II approval and wherever it is not possible to dig up peripheral trench due to availability of sheetrock's, dry stonewalls of 1.20 Mtr height shall be constructed to providing regular watch and ward as per provisions of FSR.

In this regard, Planting to be proposed along the boundary of peripheral trench dugout the on the mound.

- ❖ Dibbling of Gachakaya seed on the mound, babul seed within the trench.
- ❖ In the two rows at 2 Mtrs., apart.
- ❖ Planting of Agave Suckers on the top of the bund.
- ❖ Planting of Syzygium cuminii, Terminalia arjuna and Acacia nilotica within the trench at 3 Mtrs., apart to improve the stocking and also act as fencing.

  
District Forest Officer,  
Jagtial