

**INSPECTION REPORT OF COMPENSATORY AFFORESTATION LAND TO AN EXTENT OF 500.920 Ha., AREA AS IDENTIFIED IN JAGTIAL DISTRICT IN LIEU OF THE FOREST AREA PROPOSED FOR DIVERSION OF FOREST LAND TO AN EXTENT OF 3221.297 Ha., IN TELANGANA STATE BY SRI, P. RAMESH, SFS., DISTRICT FOREST OFFICER, JAGTIAL INSPECTION ON 10.03.2017 & 24-03-2017.**

**1. Introduction of the scheme:**

The Chief Engineer, Kaleshwaram Project, Hyderabad have submitted the proposals for diversion of 3221.297 Ha. forest areas are diverted in (7) different forest divisions of Telangana State in respect of **Kaleshwaram Project**. Compensatory Afforestation area is **500.920 Ha** identified in different locations of Dharmapuri and Kodimial Ranges of Jagtial District.

**2. The Diversion of Forest Area falling in (7) different forest divisions of Telangana State in respect of Kaleshwaram Project :**

The diversion of Forest land is 3221.297 Ha., in (7) different forest divisions of Telangana State in respect of **Kaleshwaram Project** in favour of Chief Engineer, Kaleshwaram Project, Hyderabad.

**3. The Details of Non-Forest Land to be proposed for Kaleshwaram Project:**

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 Non-Forest land is identified to an extent of 500.920 Ha., in different locations of Dharmapuri and Kodimial Ranges of Jagtial District.

The undersigned along with Forest Range Officers, Dharmapuri and Forest Range Officer, Kodimial inspected the sites on 10-03-2017 & 24-03-2017.

**4. Suitability of the Area of Non – Forest Land:-**

The identified land is spread over mainly in two Ranges viz., Dharmapuri and Kodimial Ranges. The land is mainly hilly, stone with Boulders & gravelling patches with gentle slope on fringes. The tree growth is very sparse. The composition of flora is Teak, Narlinga, Vepa, Moduga, Dedonea viscosa, Danthe, Manga, Thuniki, Vepa, Rela, Poniki, Nemalinara, Naravepa, Wrighta tinctoria, Albizia amara, Cassia fistula, Randeia duemetorum, Billudu, Dalsu, Mangadu, Regu, Eetha, Thadi etc. Lot of Fauna, wild animals existing such as four hundred antelope, Deer, Chinkara, Sloth Bear, Wild pig, Pangolin, Hare, Porcupine, langur, Civet cat, Jackal, Jungle cat, Python, Cobra, Russel's Viper, Varanus species, Shikra, Spotted

dove, Mongoose, Jungle fowl, Partridge and Pea fowl. Grass plants also to be raised in plain area and at nalas @ 2 Ha per One location and to construct two saucer pits per one location. Out of 500.920 Ha., few patches are suitable for planting in Compensatory Afforestation @ 300 - 460 tall seedlings plants/Ha may be proposed for planting by importing soil in open places and in viable gaps of local species. The balance area planting activities will not be taken up and this area will be protected by digging of peripheral trench or erecting chain link fence and taking up SMC works from ridge to foot hill to arrest the Soil and Moisture like check dams P.Ts, CCT & RFDs, in order to increase the moisture, arrest soil erosion for increasing water table density and protection and also from encroachment.

In view of the above stated reasons the above identified land admeasuring **500.920 Ha.** is suitable only 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 considered Compensatory Afforestation land to Protect the Compensatory Afforestation area from further degradation and carrying out Soil and Moisture conservation works of staggered trenches and digging 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 1.50 Mtrs and 2.00 Mtrs depth size or chain link fence all around the periphery by keep permanent RCC pillars 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 on the mound along the boundary of peripheral trench dugout.

- 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.

#### **5. Stall Feeding:**

Till today the local villagers are dependent on these areas for their cattle feed and for fuel wood. To reduce the pressure of cattle on these diverted C.A lands proposed to raise fodder plots at 7 locations, @ 2 Ha./each by taking the land on lease @ Rs. 50,000/- per hectare.

- a. To reduce the pressure on these areas, supply of grass to the villagers for stall feeding.
- b. The camping facility at Ranges of Dharmapuri and Kodimial for requirement of vehicle hire charges and running to be provided.

#### **6. Fire Tracing:**

The entire area is divided into two/four sectors and fire lines proposed, construction of wall with available local stones to arrest the fire occurrence @ 0.50 Mtrs x 30 cms. Height (Approximately 10,000 Rmts., is proposed).

#### **7. Project Implementation Agency:-**

The proposed Non - Forest land is hilly with stones, boulders, mounm patches with trees & shrubs. The Area is suitable for protection purpose and SMC works like check dams P.Ts., CCT & RFDs. The District Forest Officer, Jagtial will be the Project Implementation Agency and work will be taken up through Forest Range Officers of this District. The miscellaneous works i.e, Cost of caution boards, Photos at every site one watcher is to be required for protection of the area and the bund planting up to 04 years. Hence, it is proposed to hire the service of one watcher. Similarly it is proposed to hire one Technical Assistant and one Computer Operator for initial two years in two Ranges of this District, similarly three vehicles may be proposed to purchase / on hire for inspection and monitoring the entire CA area raising and maintenance for 10 years. Accordingly provisions are made in the scheme.

#### **8. Period of the scheme: -**

Period of the scheme is for Ten (10) years, Proposed 3 years take up the SMC works like check dams P.Ts., CCT & RFDs and remaining 7 years take up the singling and coppicing. Arrange suits, Salt licks, Saucer Pits for wild life purpose. The scheme period commencing from 2017-18 to 2026-27 or so.

### 9. Cost Structure:-

The cost of the scheme is worked out by adopting present F.S.R. of 2016-17 with escalation of 15% in every succeeding year and a wage rate of Rs.295/- per day (as approved by the District Collector, Karimnagar). Wherever provisions are not available, permission will be obtained from the Addl. Prl. Chief Conservator of Forests / Conservator of Forests, Warangal / Karimnagar for adopting new items or rates. The total year wise cost structure of the project to an extent of **500.920 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	2017-18	243.760
2	2018-19	303.774
3	2019-20	155.892
4	2020-21	139.633
5	2021-22	100.057
6	2022-23	87.880
7	2023-24	82.507
8	2024-25	64.533
9	2025-26	49.411
10	2026-27	37.337
	<b>Total</b>	<b>1264.784</b>

  
District Forest Officer,  
JAGTIAL.