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**Field Inspection Notes of the Chief Conservator of Forests, Karimnagar Circle,**  
**Karimnagar in the Reserve Forest Area Proposed For Diversion of**  
**Package – IX & X under KALESWARAM PROJECT.**

On 02.03.2017, along with the District Forest Officer, Rajanna Sircilla & Karimnagar and his field staff inspected the part of the area falling in Package – IX & X of the proposed Kaleshwaram Project.

*The details of package – IX are as follows:*

Package IX consists of diversion of 329.1385ha of Forest land in Rajanna Sircilla district. This is having two components (a) Malkapet reservoir (280.478 ha) and (b) Gravity canal for a length of 4.949 km which involves diversion of 48.6599 ha. The cost involved is Rs.926.20 crores.

The site inspection was conducted on 02-03-2017 and test checked the following stations of the proposed reservoir and gravity canal.

1. Station No 3 L Latitude N – 18.44777 Longitude E – 78.70843
2. Station No 4 R Latitude N- 18.44808 Longitude E – 78.70883
3. Station NO 5 R Latitude N- 18.44913 Longitude E – 78.70925 falling in the reservoir area and 4. Station No L0 10 Latitude N- 18.44238 Longitude E – 78.69185, falling in the canal area. There is minor variation of latitude and longitude with the recordings of the user agency.

The proposed forest area consists of forests with canopy density varying from 0.2 to 0.4/0.5 as reported by the District Forest Officer, Rajanna Sircilla & Karimnagar. The prominent species are *Albezia amara*, *Azadirachta indica*, *Cassia fistula*, *Butea monosperma*, *Chloroxylon swietenia*, *Tuniki*, *Bombax* etc.,

The major fauna in the said area are *Panthera pardus* (Panther), *Melursus ursines* (Sloth Bear), Sambar, Spotted Deer, Four horned antelope, Neelgai, *Hysterix indica* (Porcupine), *Lepus nigricollis* (Hare), *Sus scropha* (Wild Boar), *Pavo cristatus* (Indian Peafowl), *Glaucidium radiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc.

It is observed that, majority of the proposed area is falling in Sircilla forest block which is contiguous forest block with dense miscellaneous mixed forest with canopy density of more than 0.4. Further, the gravity canal is passing through the Sircilla forest block and its alignment is from the points R002/L200 to RS231/LS23 as shown in the map and it is passing through forest block duly leaving a patch of about 100ha isolated from the erstwhile contiguous Sircilla forest block near Akkapally tanda in compartment No 176/2 and 175/2. Hence, this patch of Forest land is to be protected from encroachments.



Similarly the canal is also dividing major chunk of the forest area in another patch involving compartment No 180/1, 180/2 etc. As informed by the user agency the bottom width of the canal is 6.7 mtrs and top width various from 40 mtrs to 100 mtrs depending on the depth of the canal for facilitating the gravity flow of water from the reservoir. This will definitely cause hinderance to the free movement of the wild life. Hence, suitable measures like wild life passages are required to negotiate the isolated areas from one side of the gravity canal to the other side of the canal by the wild life. Wild fruit bearing plantation of 5 rows on either side of the canal is also required as a measure to create necessary cover to wild life.

In addition the reservoir is also isolating nearly 200 Ha in compartment No 170/3 and it requires better protection in view of the expected encroachments by the adjoining villagers in the back waters of the reservoir.

The sample plot No 11 with latitude 18.44787, longitude 78.71120 meant for growth enumeration was test checked and observed some deviations in height measurement. The District Forest Officer Rajanna Sircilla & karimngar was instructed to get the heights be verified of all the sample plots and submit the enumeration data.

#### **Forest Growth in Package - IX**



#### **Package - X: -**

Proceeded to compartment No 433 of Anantharam - III forest block of Sircilla forest Range along with District Forest Officer, Rajanna Sircilla & Karimnagar and his field staff. Inspected the part of R.F. area proposed for diversion for construction of Ananthagiri Reservoir (3.5 TMC capacity) for an Ayacut of 30,000 Acres in Compartment No. 429, 430, 433 of Anantharam-III and Anantharam-V Forest Block of Sircilla Forest Range.

This package consists of proposed diversion of 116.818 ha in Anantahram-III & V forest blocks. The forest is of open with canopy density from 0.1 to 0.3. The cost involved is Rs.2715.35 crores.



The proposed forest area consists of open forest with average canopy density of around 0.2. The prominent species are *Albezia amara*, *Azadirachta indica*, *Cassia fistula*, *Butea monosperma*, *Chloroxylon*, *Tuniki*, *Bombax*, *Chloroxylon swietenia* etc.,.

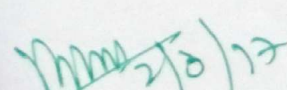
The major fauna in the said area are *Panthera pardus* (Panther), *Melursus ursines* (Sloth Bear), Sambar, Spotted Deer, Four horned antelope, Neelgai, *Hysterix indica* (Porcupine), *Lepus nigricollis* (Hare), *Sus scropha* (Wild Boar), *Pavo cristatus* (Indian Peafowl), *Glaucidium radiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc.

Inspected the location near compartment No 433 on 02-03-2017 and test checked the station No. 578 with latitude 18.26731, longitude 78.93395 in Ananthagiri reservoir area. There is minor variation of latitude and longitude with the recordings of the user agency. The District Forest Officer, Rajanna Sircilla & Karimnagar is advised to take all due precautions on the protection of the vulnerable areas of encroachments with the formation of reservoir. Measures for protection & conservation of wild life are also required in view of the presence of wild life in the area.

The following specific conditions proposed by the District Forest Officer, Rajanna Sircilla & Karimnagar are accepted.

- I The user agency shall take up soil moisture conservation works and catchment area treatment plan for an area of 5000.00 Ha towards protection and improvement of the forest land in and around the diverted forest land area at the unit rate of Rs 5000/- per ha and to bear the cost of such proposals.
  - ii The user agency shall supply water free of cost to the identified major locations to cater the needs of wild life in and around the diverted forest areas.
  - iii In package - IX, specific protection with chain link to the (2) isolated patches and construction of wild life passages of (5) numbers for the movement of wild life over the gravity canal which is separating the forest block
- Further, the District Forest Officer, Rajanna Sircilla & Karimnagar has reported that, there was construction of surge pool and other structures in an area of 3.9694ha (say 4.0 ha) in package - X and a NOTICE was served to the user agency vide DFO RSK Rc.No. on 23-02-2017. The reply is awaited from the user agency.

The said proposed area for diversion does not form part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant Corridor etc.,. There are no protected Archaeological / Heritage site / defense establishment or any other important monument in the forest area proposed for diversion.

  
 Chief Conservator of Forests,  
 Karimnagar Circle, Karimnagar.

FIELD / SITE INSPECTION NOTES OF THE CONSERVATOR OF FORESTS, WARANGAL CIRCLE, WARANGAL OF THE FOREST AREA PROPOSED FOR Construction of Barrages Gravity canals, Delivery Cistern Power line, Pressure Main Gravity Canal and Power line involving in Kaleshwaram Project Mahadevpur in Mahadevpur Division of Jayashankar Bhupalpally District on 03.03.2017

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Inspected the Reserve Forest area proposed for Construction of Barrages Gravity canal, Delivery Cistern Power line, Pressure Main Gravity Canal and Power line involving in Kaleshwaram Project Mahadevpur Jayashankar Bhupalpally Mahadevpur of Jayashankar Bhupalpally District on above mention date. The proposed area for diversion is linear i.e. for laying of pipe line and other Structures between proposed Medigadda Barrage to Annaram Barrage. The area proposed for diversion is passing in Mahadevpur R.F. block of Mahadevpur Division The terrain is plain to undulating, which is slightly vulnerable to erosion and during field inspection, the area proposed for diversion is **338.4826 Ha.**

The average density of vegetation is about **0.3-0.4**. The major flora existing are Teak, N.Maddi, Pala,Bojja, Moduga, Sandra, Kodisha, Dummpidi, Korry, Morri, karaka, karenga, eppa, Jetregi, Vepa etc.,

The major fauna in the said area are *Melursus ursines* (Sloth Bear), *Hysterix indica* (Porcupine), *Lepus nigricollis* (Hare), *Sus scropha* (Wild Boar), *Pavo cristatus* (Indain Peafowl), *Glaucidium radiatum* (Jungle Owlet), *Axis Axis* ( Spotted deer), Chowsinga, Kondagorre, Nilgai, sambar, Monitor litard, Greyhornbills, owlets.etc.

The proposed diversion of the area 338.4826 Ha for Kaleshwaram Project is recommended subject to fulfillment of the conditions imposed by the Forest Divisional Officer, Mahadevpur in Part – II proposals.

7. 27/3/17  
Conservator of Forests,  
Warangal Circle, Warangal.