

**Field / Site Inspection Notes Of The District Forest Officer, Rajanna Sircilla & Karimnagar To The Forest Area Proposed For Diversion For Package – IX & X under KALESWARAM PROJECT.**

**Introduction:-**

It is submitted that, the proposal consists of diversion of 445.9565 ha of Forest land in Rajanna Sircilla district in two packages, i.e. Package – IX and Package – X.

The details are as follows:

**Package – IX:** This Package consists of diversion of 329.1385 ha of Forest land in Rajanna Sircilla district. This package consists of 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.

It is submitted that, the site inspection was conducted on 19-02-2017 and test checked the boundary demarcation at stations of proposed reservoir and gravity canal.

It is observed that the 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 about 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.

Hence, this patch of Forest land is to be protected from in view of wild life, encroachments, as there are wild life incidences in these areas; In this regard, Suitable measures for protection with chain link fencing and wild life passages with a width of about 10.0 mts each at 1.0km length are proposed from one side of the gravity canal to the other side, so as to have access to the wild life in to the rest of forest area along with Avenue plantation of 5 rows on either side of canal were proposed in the CA scheme. The detailed inspection note is enclosed here with.

**Package – X:** - 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 0.2. The cost involved is Rs.2715.35 crores.

Earlier, proposals for this package was submitted in (2) proposals for 112.849 ha meant for Ananthgiri reservoir and 3.969 ha meant for construction of structures like surge pool, cistern, power house, tunnels.

Inspected the area ha on 20-02-2017 and test checked the boundary demarcation of the Ananthgiri Reservoir and sample plots meant for growth enumeration as specified in the inspection notes. The area is falling in between the hillocks of comp no.433, 430 & 429 up to FTL of 360mts. Since the parts of the above compartments are involved with a narrow strip from stations n38 to n80, boundary pillars along with chain link fencing are proposed for the demarcation of the remaining forest area. The detailed inspection note is enclosed here with.

**Field / Site Inspection Notes Of The District Forest Officer, Rajanna Sircilla & Karimnagar To The Forest Area Proposed For Diversion For Malkapet Reservoir & Gravity Canal (Package-IX) On 21-02-2017 under KALESWARAM PROJECT.**

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Inspected the R.F. area proposed for diversion (329.1385 ha) for construction of Malkapet Reservoir (3.0 TMC capacity) for an Ayacut of 86150 Acres and construction of gravity canal over a length from 0.000km to 4.949 km which involved an area of 329.1385 ha, of forest land in Compartment No. 175/1, 175/2, 176/1,176/2,177, 178/1,178/2,179/1,179/2,180/1 and 180/2 of Siricilla Forest block and 179/3 of Siricilla extension Reserve Forest Block of Sircilla Forest Range of Rajanna Sircilla district. The FRL of the reservoir is 432.5 mts.

Inspected the forest land proposed for diversion near Malkapet village along with FSO-Venkatapur, FBO-venkatapur and other officials of Irrigation department. The area proposed for diversion consists of about 0.4canopy density with species of *Tectona grandis*, *Butea monosperma*, *Terminalia bellerica*, *Chloroxylon swetenia* etc predominantly. The hills are of gentle slope.

Test checked the stations 1R, 2R, 3L, 4R, 5R and 14R and found correct. Further, test checked the stations on FRL side, MR 70, MR 71, MR 72, MR 73 and MR 74 found correct. The stations r151, r153, r162, r163, r 164 are test checked and found correct.

Further, test checked the boundary demarcation of gravity canal stations at R150, L150, R014 and L014 and found correct.

The sample plots meant for growth enumeration were test checked and observed some deviations in height measurement. The FRO-Sircilla, FSO-Venkatapur, FBO-Venkatapur are instructed to verify the heights trees in all sample plots and submit the enumeration data.

The proposed forest area consists of open forest with average canopy density 0.2 to 0.4/0.5 as taken by densitometer and the prominent species are *Albezia amara*, *Azadirachta indica*, *Cassia fistula*, *Butea monosperma*, *Chloroxylon swietenia* etc., with frequent rocks and boulders.

Further, it is observed that the gravity canal from the reservoir to a distance of 4.9 Kms is passing through Reservoir up to Akkapally tanda and thereafter continuing in to non- RF land. In this regard, it is observed that, the canal is dividing a portion of RF of about 5000ha from siricilla forest block. In view of protection and wild life prominence in the area, special measures are proposed in CA scheme for protection of the land with chain link fencing, boundary, pillars and trench depends on the feasibility. Further, it is also proposed in CA scheme for construction of passages across the canal at every kilometer for passing wild life from either side.

The said proposed area for diversion does not form part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant Corridor etc., The major fauna in the said area are *Panthera pardus* (Panther), *Melursus ursines* (Sloth Bear), *Hysterix indica* (Porcupine), *Lepus nigricollis* (Hare), *Sus scropha* (Wild Boar), *Pavo cristatus* (Indain Peafowl), *Glaucidium radiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc. The test checking done with Garmin Estrex 30 handheld GPS instrument. There are no protected Archaeological / Heritage site / defense establishment or any other important monument in the forest area proposed for diversion.

The photographs of the portion with forest growth are as follows:



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District Forest Officer  
Rajama Siricilla & Karimnagar.

**Field / Site Inspection Notes Of The District Forest Officer, Rajanna Sircilla & Karimnagar to the Forest Area Proposed For Diversion For Ananthagiri Reservoir (Package – X) On 20-02-2017 under KALESWARAM PROJECT.**

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Inspected the R.F. area proposed for diversion for construction of Ananthagiri Reservoir (3.5 TMC capacity) for an Ayacut of 30,000 Acres and construction of Surge pool (56 Mtrs., dia and 90 mtrs., depth) and conveyor system including canals, tunnel, lift system with one additional pump etc., which involved an area of 116.8179 Ha., of forest land in Compartment No. 429, 430, 433 of Anantharam-III and Anantharam-V Forest Block of Sircilla Forest Range.

Proceeded to Compartment Nos. 429, 430 & 433 Forest Block of Peddalingapur Beat of Sircilla Section along with Forest Range Officer, Sircilla, I/c. Forest Section Officer, Sircilla and I/c. Forest Beat Officer, Peddalingapur beat, Divisional Engineer and Irrigation Department officials near Yellamma Temple. The test checking done with Garmin Estrex 30 handheld GPS instrument. Test checked the following boundary points.

Field demarcation				As per proposals			
Sl. No.	Stn. No.	Lat	Long	Sl. No.	Stn. No.	Lat	Long
1	F538	18.27011	78.91167	1	R538	18.27008	78.91166
2	F540	18.26948	78.91327	2	R540	18.26947	78.91328
3	FRL36	18.27000	78.91329	3	N38	18.26996	78.91326
4	FRL35	18.27003	78.91363	4	N35	18.27004	78.91363
5	FRL33	18.27165	78.91460	5	N33	18.27164	78.91460
6	FRL32	18.27199	78.91558	6	N32	18.27200	78.91556
7	F555	18.27221	78.91708	7	R555	18.27220	78.91710
8	F556	18.27281	78.91658	8	R556	18.27280	78.91661
9	FRL30	18.27404	78.91673	9	N30	18.27405	78.91673
10	F557	18.27365	78.91715	10	R557	18.27373	78.91709
11	F588	18.27425	78.91752	11	R588	18.27426	78.91755
12	F560	18.27692	78.91869	12	Tallying with R560		
13	F564	18.27780	78.92084	13	R564	18.27781	78.92083
14	F563	18.27992	78.91993	14	R563	18.27995	78.91991
15	F562	18.28039	78.91977	15	R562	18.27989	78.91904

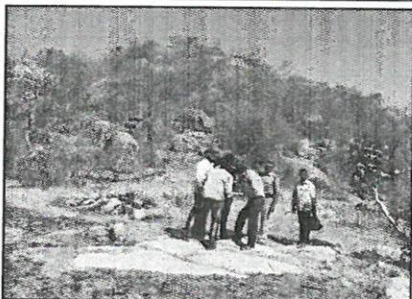
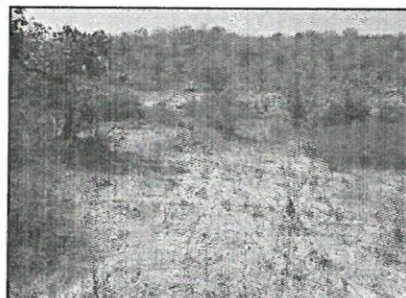
All the boundary points are found correct, except nomenclature. The User Agency is requested to change the nomenclature as per the submitted proposals. Further test checked sample Plot No. 3 and 5 meant for growth enumeration and test checked the standing growth and found correct.

The said proposed area for diversion does not form part of National Park, Wildlife Sanctuary, Biosphere reserve, Tiger reserve, Elephant Corridor etc., The major fauna in the said area are *Panthera pardus* (Panther), *Melursus ursines* (Sloth Bear), *Hysterix indica* (Porcupine), Neelagai, Spotted Deer, Sambar *Lepus nigricollis* (Hare), *Sus scropha* (Wild Boar), *Pavo cristatus* (Indain Peafowl), *Glaucidium radiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc. There are no protected Archaeological / Heritage site / defense establishment or any other important monument in the forest area proposed for diversion.

Further, as per the report submitted by the FRO-Siricilla vide Rc.No.MMR/2017/SRL, Dt: 30-01-2017, where in, it was reported that there was construction of surge pool and other structures in an area of 3.9694ha in package – X. Inspected the spot and the report submitted by the FRO-Siricilla is found correct.

Further, it is noticed that, the boundary of FTL of the proposed Reservoir is demarcated on up streams of the two hillocks on either sides. Part of the hillocks in comp no's 430, 433 are proposed for diversion as shown in proposals. The adjacent forest areas are to be protected and the measures are mentioned in detail in CA scheme.

The photographs of the portion with forest growth are as follows:



The proposed forest area consists of open forest with average canopy density <math><0.2</math> as taken by densitometer and the prominent species are *Albezia amara*, *Azadirachta indica*, *Cassia fistula*, *Butea monosperma*, *Chloroxylon swietenia* etc

  
District Forest Officer,  
Rajanna Siricilla & Karimnagar.