

**GOVERNMENT OF TELANGANA  
FOREST DEPARTMENT**

From:  
**Sri B. Anand Mohan I.F.S.**  
Chief Conservator of Forests  
Karimnagar Circle, Karimnagar

To:  
The Prl. Chief Conservator of Forests,  
(Head Of Forest force)  
Telangana State  
Hyderabad.

**Rc.No.373/ M2/ 2017, Dated: 25-03-2017**

Sir,

- Sub : TSFD-Kaleshwaram Project Package No.9,10 - Proposals for diversion of 445.9565 Ha. of forest land in the jurisdiction of District Forest Officer Rajanna Sircilla & Karimnagar, for Construction of Malkapet reservoir, gravity canal, Ananthagiri Reservoir etc under Package -9,10 of Kaleshwaram Project - in favour of Chief Engineer, Kaleshwaram Project - Along with CA Scheme for an area of **2354.2155 Ha** falling in Rajanna Sircilla, Karimnagar, Jagtial and Peddapally Districts of Karimnagar Circle - Forwarded for further processing - Regarding
- Ref : 1 Prl. C.C.F. T.S. Hyd. Rc.No.2514/2017/FCA-1, dated.16.02.2017.  
2 District Forest Officer, Rajanna Sircilla & Karimnagar Rc. No. 2190/2015/S3, dated 25.03.2017  
3 District Forest Officer, Jagtial Rc. No. 439/Jgl/DM, dated 25.03.2017  
4 District Forest Officer, Peddapally Rc. No. 257/S4/2017, dated 24.03.2017
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It is submitted that the Principal Chief Conservator of Forests, Telangana State, Hyderabad vide reference 1<sup>st</sup> cited has forwarded the revised proposals to District Forest Officer, Rajanna Sircilla & Karimnagar and Conservator of Forests, Karimnagar, for processing under Forest (Conservation) Act, 1980 in Form-A in FCA format submitted by Chief Engineer, Kaleshwaram Project, Hyderabad, for diversion of **445.9565 Ha.** of Forest land in Rajanna Sircilla District of Karimnagar Circle for Construction of Malkapet reservoir under **Package-9 (329.1385 Ha.)**, Ananthagiri reservoir under **Package-10 (116.8179Ha.)** of Kaleshwaram Project in favour of Chief Engineer, Kaleshwaram Project, Hyderabad.

In the same proposals the District Forest Officers Rajanna Sircilla & Karimnagar, Jagtial and Peddapally and the Conservator of Forests, Karimnagar were requested to prepare the CA scheme for the non forest areas falling in the respective districts.

Accordingly, the proposals have been submitted (in FCA format) by the District Forest Officer Rajanna Sircilla & Karimnagar duly recommending the project in Part - II of the proposal vide reference 2<sup>nd</sup> cited along with CA proposals in Rajanna Sircilla District. The details of proposal are as follows:

**The User Agency has furnished following information in Part-I:**

The User Agency i.e. Chief Engineer, Kaleshwaram Project, Hyderabad has proposed construction of Malkapet reservoir with a gravity canal of 4.964 km and Ananthagiri reservoir under Package-9 & 10 of Kaleshwaram Project. The Forest land is covered in Packages 9 & 10 and the water conveyor system and storage system passing through notified forests consists of the following components.

**Package-9:** The proposed package system envisages lifting of 11.634 TMC @ discharge of 31.777 Cumecs per day of water from foreshore of Mid Manair Reservoir, Sircilla, Rajanna Sircilla District to Upper Manair Reservoir, Narmala (V), Gambhiraopet (M), Rajanna Sircilla District to irrigate an area of 86,150 Acres, out of which 60,000 Acres of new Ayacut and stabilized ayacut of 26,150 Acres ayacut under Upper Manair and the en-route MI chain link Tanks. For the total Ayacut, an extent of 329.1385 Ha., of forest land is required for formation of Malkapet Reservoir and construction of Gravity Canal from Km 0.000 Km to 4.949 for Kaleshwaram Project pertaining to Package No. 9. Total Ayacut area 86,150 Acres covered in Rajanna Sircilla District.

**Package-10:** This Package-10 envisages design and executive water conveyor system consisting of Approach Channel, lined gravity canal, tunnels from Obulapur to draw a revised head discharge from 241 Cumecs to 321 Cumecs in Package-10 and to irrigate an ayacut of 30,000 acres in four Mandals i.e. Chinnakodur, Bejjanki, Illanthakunta & Ganneruvaram of Siddipet, Rajanna Sircilla and Karimnagar Districts, and also formation of new Ananthagiri reservoir with a capacity of 3.50 TMC. The project also envisages provisions of drinking water and Industrial requirements. An extent of 116.8179 ha. of forest is required in Rajanna Sircilla District. Total ayacut area 30,000 Acres covered in Karimnagar, Rajanna Sircilla and Siddipet Districts.

Kaleshwaram Project is an off-shoot of Dr. B.R.A.P.C.S.S Project after re-engineering by the Irrigation and CAD Department. This Project envisages construction of Barrage across river Godavari at Medigadda near Kaleshwaram and two more barrages between Medigadda and Sripada Yellampally Project Annaram Village and Sundilla Village to convey water to the command area spread over in 13 Districts of Telangana State through components such as canals, tunnels, lift systems, reservoirs, and distributory network for irrigating an ayacut of 8,25,700 acres. This project system suitably modified to carry about 2.00 TMC of water per day and also proposed to be increased from 11.43 TMC to 180.00 TMC involving constructions of 22 Nos., of reservoirs. The net availability of water at proposed barrage is as 282.300 TMC considering ongoing and proposed utilization through project.

Map showing the Reserve Forest boundary of adjoining forest on a 1: 50,000 Scale topo map is enclosed.



- Cost of the project is Rs 80,499.71 Crores excluding the compensation if any to be deposited to Forest department.
- It engages farmers and agricultural labour for a command area of 13 Districts. And also by providing industrial water, it is an incentive for setting up of various industries which supports employment generation at various categories.

- **Justification for locating the project in forest area:** Many alternative alignments for water conveyor system are worked out in order to minimize the involvement of forest land. The present proposal is finally finalized as per the hydraulic designs and with a minimum total diversion of forest land area 3221.2974 ha, of Kaleshwaram Project, out of which 445.9565 Ha is falling in Rajanna Sircilla District in Package 9 & package 10.

- Purpose-wise break-up of the total land required: - The purpose wise land requirement is as here under:

Package No.	District	Division	R.F.	Stretch	Area in Ha.,
9	Rajanna Sircilla	Karimnagar + Sircilla	Sircilla	Gravity canal from Km 0.000 to Km 4.949	48.6599
			Sircilla & Sircilla extension RF	Malkapet reservoir	280.478
<b>Total</b>					<b>329.1385</b>

Package No.	District	Division	R.F.	Compt. No.	Area in Ha.,
10	Rajanna Sircilla	Karimnagar + Sircilla	Anantharam-III	429	13.3692
				430	43.4960
			Anantharam-V	433	59.9527
<b>Total</b>					<b>116.8179</b>

- The User Agency has furnished undertaking to pay the cost of extraction of tree growth of the forest land and also undertake to pay the additional amount if any due to escalation or any other charges for diversion under the project "Kaleshwaram Project".
- The User Agency has furnished undertaking to pay Net Present Value (NPV) for acquisition of forest land as per the assessment made by the Forest Department.
- The User Agency has furnished undertaking to pay Addl. Cost of Net Present Value (NPV) as per guidelines.
- The User Agency furnished certificate stating that the proposed forest area for diversion is minimum and essentially required for the proposed project.
- The user agency has furnished undertaking not to violate Forest (Conservation) Act 1980 and WL (P) Act 1972.
- The User Agency has furnished an un-conditional and irreversible undertaking to provide Non-Forest Compensatory Afforestation lands equivalent to forest land proposed for diversion. And the User Agency has also furnished the details of the non-forest CA lands for an area of 2354.2155Ha.
- The User Agency has also given undertaking that no labour camp shall be established on the forest lands during the construction of the work for forest land.

**The Details of the Part-II are as follows:**

- The proposed diversion of forestland area of Package-9 and 10 is **445.9565 Ha.**
- The area of forest land proposed for diversion are as follows:

Package No.	Range	Section	Beat	RF	Compt. No.	Area (Ha.,)
1	2	3	4	5	6	
09	Ch. Mallial	Konaraopet	Konaraopet West	Sircilla	175/1	8.6617
	Ch. Mallial	Konaraopet	Konaraopet West		175/2	1.5113
	Sircilla	Venkatapur	Shivangalapally		176/1	5.0342
	Sircilla	Venkatapur	Shivangalapally		176/2	5.8000
	Sircilla	Venkatapur	Shivangalapally		177	3.6995
	Sircilla	Venkatapur	Nizamabad		178/1	4.7115
	Sircilla	Venkatapur	Nizamabad		178/2	45.9532
	Sircilla	Venkatapur	Nizamabad		179/1	52.2055
	Sircilla	Venkatapur	Nizamabad		179/3	136.1968
	Sircilla	Venkatapur	Akkapally		180/1	11.3786
	Sircilla	Venkatapur	Akkapally		180/2	18.2248
	Sircilla	Venkatapur	Nizamabad		179/3	35.7614
				<b>Sub-Total</b>		<b>329.1385</b>
10	Sircilla	Sircilla	Peddalingapur	Anantharam-III	429	13.3692
	Sircilla	Sircilla	Peddalingapur		430	43.4961
	Sircilla	Sircilla	Peddalingapur	Anantharam-V	433	59.9527
				<b>Sub-Total</b>		<b>116.818</b>
<b>Grand Total</b>						<b>445.9565</b>



**NPV:** - Net present value (NPV) is levied as per the Hon,ble Supreme Court of India order, dated 28-03-2008 and levied for Eco-Value class-III. The canopy density arrived based on the report submitted by the field personnel and the same is enclosed here with for kind perusal.

**Tree growth:** -

(a) **Enumeration:** - The enumeration of tree growth was taken up based on sampling technique and the sample points were communicated by the Geomatics center, office of the Prl.Cheif Conservator of Forest (HoFF), Hyderabad for packages - IX & X.

The yield particulars of tree growth enumeration as per the report submitted by the Forest Range Officer- Siricilla and Forest Range Officer - Chandurthi mallyal of Rajanna Siricilla districts are as follows:

S.No	Package	Range	Timber (cum)	Fuel (cum)	Value (Rs lakh.)
1	Package - IX	Siricilla	8002.3003	43701.088	1743.4200
		C.Mallyal	80.8956	315.368	12.6300
2	Package - X	Siricilla	1726.8183	12134.47	168.0000
			<b>9810.0142</b>	<b>56150.926</b>	<b>1924.05</b>

(b) **Extraction:**-Further, it is also proposed for tree growth extraction with a cost of Rs.291.500 lakh in both the packages.

**Following is the details of site inspection report submitted by the District Forest Officer, Rajanna Siricilla & Karimnagar**

The proposal consists of diversion of 445.9565ha of Forest land in Rajanna Siricilla district in two packages, i.e. Package - IX and Package - X.

The details are as follows:

**Package - IX:** This Package consists of diversion of 329.1385ha of Forest land in Rajanna Siricilla 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.

The site inspection was conducted by the District Forest Officer, Rajanna Siricilla & Karimnagar on 19-02-2017 and test checked the boundary demarcation at stations of proposed reservoir and gravity canal.

It is observed that majority of the proposed area is falling in Siricilla forest block which is contiguous forest block with dense miscellaneous mixed forest with canopy density of 0.1 to 0.4. Further, the gravity canal is passing through the Siricilla 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 Siricilla forest block near Akkapally tanda. The gravity canal also divides the forest block. The reservoir also isolates nearly 200.00 Ha of Forest area.

Hence, this patch of Forest land is to be protected in view of wild life movement & encroachments. 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.

**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 0.3. The cost involved is Rs.2715.35 crores.

Inspected the area by the District Forest Officer, Rajanna Siricilla & Karimnagar on 20-02-2017 and test checked the boundary demarcation of the Ananthagiri 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.

**Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons and the details are as follows.:**

- Legal status of the forest land: it is falling in Siricilla Reserve Forest Block and Siricilla extension forest block
- Siricilla Reserve Forest block was notified under section 15 GO Ms No. 942, dt 29.05.1957 vide Gazette No. 32/72 vide GO No.1545, dt 23.08.1969, GO Ms No. 148, dt 10.05.1974
- Siricilla extension forest block was notified under Section 4 vide Gazette No.178,dt:05-02-1970.
- The proposal consists of diversion of 445.9565ha of Forest land in Rajanna Siricilla district in two packages, i.e. Package - IX and Package - X.
- **Package - IX:** This Package consists of diversion of 329.1385ha of Forest land in Rajanna Siricilla district. 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 0.3. The cost involved is Rs.2715.35 crores. The detailed inspection note is enclosed here with.
- Further, as reported by the District Forest Officer, Rajanna Siricilla, 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 Kaleswaram project is envisaged to convey water to the command area spread over in 13 districts of Telanagana state for irrigating ayacut of 18,25,700 acres and providing drinking water facility to the cities of Hyderabad & Secunderabad and enroute villages being executed in (28) packages.
- In view of the importance, public interest involved in the project, the District Forest Officer, Rajanna Sircilla & Karimnagar has recommended for diversion of 445.9565 ha of forest land in Package - IX (329.1385 ha) and package - X (116.818 ha) in Rajanna Siricilla district as per the proposals submitted by the User agency with following specific recommendations
  - 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

Details of Part - III are as follows,

The Chief Conservator of Forests, Karimnagar has inspected the reserve forest area proposed for diversion of Package - IX and Package - X under Kaleswaram Project on 02.03.2017. The detailed inspection note is enclosed with the Part - III of the diversion proposals.

#### RoFR Certificate:

The Collector & District Magistrate, Rajanna Sircilla in Ref. No. E/805/2017 dated 09.03.2017 has issued certificate form - II (for projects other than linear projects) and certified that the process was completed for 445.957 Ha of forest land proposed to be diverted in favour of Chief Engineer Kaleswaram Project, Hyderabad for Kaleswaram irrigation scheme.

#### Compensatory Afforestation land:

With regard to Compensatory Afforestation land in lieu of the Forest land being diverted for Kaleswaram project, it is also submit that, the user agency has identified 2354.2155 Ha non forest land in Rajanna Sircilla, Jagtial and Peddapally districts.

In the reference 3rd and 4th cited the District Forest Officer, Jagtial and District Forest Officer, Peddapally have submitted the CA scheme proposals

- The District Forest Officer, Rajanna Sircilla & Karimnagar has submitted that, on inspection of site it is observed that the site quality is poor. However, in view of the instructions of Principal Chief Conservator of Forests (HoFF) vide Rc. No. 54480/2008/F4, dated 16.11.2008 "not to reject non forest land offered for compensatory afforestation unless it is sheet rock and cannot be afforested by adopting any site specific suitable afforestation techniques", the CA lands were taken under the project.
- Further, the District Forest Officer, Rajanna Sircilla & Karimnagar has also submitted that, in spite of best efforts from time to time the user agency failed to provide the suitable CA land for the purpose of afforesting with the conventional measures. In such scenario, all such lands where there is potential for reclothing with the existing forest land basing on the root stock position the lands are accepted for CA. Hence, suitable appropriate interventions were contemplated in the CA scheme for treatment to recloth such hillocks interspersed with boulders in the degraded lands.
- The District Forest Officer, Peddapally has stated that, the Government non forest land of 453.2955 Ha, which is identified for CA by the user Agency in Peddapally District in lieu of their construction of Canal, Tunnels, lift system and reservoirs was completely Hilly & Rocky, so planting activities were differed in the CA land. Therefore, the District Forest Officer, Peddapally has identified equivalent Additional CA area in degraded forests in Pedddapally and Manthani Ranges of Peddapally District.

The project involves the non forest area for CA as detailed below,

Sl. No.	Name of the District	Non Forest Land proposed for CA in Ha	CA Scheme proposed (Fin outlay in lakhs )
1	Rajanna Sircilla	1400.00	11536.1073
2	Jagtial	500.920	1264.784
3	Peddapally	453.2955	2770.206
		<b>2354.2155</b>	<b>15571.0973</b>



The detailed scheme proposals under CA submitted by the District Forest Officers, Rajanna Sircilla & Karimnagar, Jagtial and Peddapally along with the inspection reports of the concerned District Forest Officers are appended with the diversion proposals. Basing on the observations, inspection reports of CA lands, remarks and recommendations of the District Forest Officers, the CA Schemes as furnished by the District Forest Officers Rajanna Sircilla & Karimnagar, Jagtial and Peddapally are approved and counter signed and submitted herewith in (5) sets each for (3) districts separately.

In view of the above the statutory proposals along with necessary enclosures with due recommendation of the District Forest Officer, Rajanna Sircilla & Karimnagar in Part - II and Chief Conservator of Forests, Karimnagar in Part - III are submitted here with in (5) sets for obtaining necessary approval of the project as per the Ministry of Environment Forests & Climate Change, GOI guidelines by forwarding it to the concerned competent authority.

This is submitted for favour of kind information and necessary action.

Yours faithfully,

Encl: (5 sets of FCA proposals along with CA proposals )

Sd/-  
Chief Conservator of Forests,  
Karimnagar Circle, Karimnagar.

Copy to the Superintending Engineer, Kaleswaram project, Karimnagar for favour information and necessary action.

Copy to the District Forest Officer, Rajanna Sircilla & Karimnagar.

Copy to the District Forest Officer, Jagtial.

Copy to the District Forest Officer, Peddapally.

Sd/-  
Chief Conservator of Forests,  
Karimnagar Circle, Karimnagar.

//T.C.B.O.//

*legally*  
Superintendent  
*25/3/17*  
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