

GOVERNMENT OF TELANGANA

FOREST DEPARTMENT

From:

Sri A.K. Sinha, I.F.S.,

Chief Conservator of Forests,

Medak

To:

Prl. Chief Conservator of Forests,

Aranya Bhawan,

Saifabad, Hyderabad

Rc.No. 263/C1/2017, Dt: 25-03-2017

Sir,

Sub: TSFD - Forest (Conservation) Act, 1980 - Proposal for diversion of **3221.2971 ha** of forest land in 8 different forest divisions viz. Mahadevpur, Karimnagar-Sircilla, Siddipet, Yadadri, Medak, Nizamabad Banswada and Nirmal divisions for construction of canals, Tunnels, lifting system and reservoirs involved in **Kaleshwaram Project** in different districts of Telangana State - in favour of Chief Engineer, Kaleshwaram Project - **Proposal submitted for an area of 1601.5101 Ha passing through various RFs of Medak and Siddipet Districts for Packages No. 10, 12, 14, 15 and 18 of Kaleswaram Project** - Regarding.

Ref: 1. PCCF's Ref.No.2514/2017/FCA-1, Dated: 16.02.2017
2. DFO, Medak, Rc.No. KProject/2016/S4, Dt: 25-03-2017
3. DFO, Siddipet Rc.No. 803/2017/S6, Dt: 25-03-2017

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Above references may kindly be perused.

It is submitted that vide cited, the proposals for diversion of **3221.2971 ha** of forest land in 8 different forest divisions viz., Mahadevpur, Karimnagar-Sircilla, Siddipet, Yadadri, Medak, Nizamabad Banswada and Nirmal divisions for construction of canals, Tunnels, lifting system and reservoirs involved in **Kaleshwaram Project** in different districts of Telangana State in favor of I&CADD have been forwarded for processing under the Forest (Conservation) Act, 1980. Packages 10, 12, 14, 15 and 18 of Kaleswaram Project covering an area of **1601.5101 Ha** for Excavation of canals, tunnels, surge pool, delivery cistern, non-over flow dams (Sri Komaravelli Mallanna Sagar, Ananthagiri reservoir, Gandhamalla reservoir, Kondapochamma reservoir), LMC & RMC gravity canals falls in Medak and Siddipet Districts.

Accordingly, the proposals have been examined and processed.

Details of proposals are as follows:

I. User Agency has furnished/ stated following information in Part-I:

- Kaleshwaram project envisages diversion of water by constructing a barrage across River Godavari downstream the confluence of river Pranahitha and river Godavari at Medigadda near Kaleshwaram and constructing two more barrages between Sripada Yellampally Project and Medigadda at Annaram and Sundhilla to supply the

water by lift. This project system is suitably modified to carry about 2.00 TMC per day and also proposed to be increased from 11.43 TMC to 147.71 TMC involving of 20 no's of reservoirs. The net availability of water at proposed barrage is assessed as **282.300 TMC** (as against requirement of 160 TMC) considering ongoing and proposed utilization through project (copy of assessment report enclosed). It is contemplated to irrigate a command area of 18,25,700 acres in 13 districts in Telangana State.

- Proposed for diversion of **3221.2971 ha** of forest land in 8 different forest divisions. Packages 10, 12, 14 & 15 of Kaleswaram Project covering an area of 1407.439 Ha for Excavation of canals, tunnels, surge pool, delivery cistern, non-over flow dams (Sri Komaravelli Mallanna Sagar, Ananthagiri reservoir, Gandhamalla reservoir, Kondapochamma reservoir), LMC & RMC gravity canals falls in Siddipet District. Package 18 of Kaleswaram Project covering an area of 194.0711 Ha for construction of canals falls in Medak District.
- The non-forest land required for the project is **31597.9281 Ha**.
- Cost of the project is Rs. 80,499.71 Crores (Approximately).
- The extent of Forest land required in Siddipet District is 1407.439 Ha in Allipur, Kistapur, Sirsingandla Ext, Sirsingandla, Vemulghat, Vemulghat Ext - III, Vemulghat Ext - IV, Vemulghat Ext - I, Vemulghat Ext - II, Yerraipally, Bailampur, Narsampally, Narsampally, Thanedarpally, Indupriyal, Peerlapally notified forests.
- The extent of Forest land required in Medak District is 194.0711 Ha in HASTALPUR -2 RF, HASTALPUR-1-RF, YELDURTHY RF, PILLUTLA RF, MANGALAPARTHY RF, KOTTAPET RF
- It engages farmers and agricultural labor for a command area of 13 Districts.
- By providing industrial water, it is an incentive for setting up of various industries which supports employment generation for the people of various categories.
- Further, User Agency has conducted DGPS survey of forest lands and CA lands and furnished the maps and other concerned details.
- **The User Agency has requested to arrange for forest clearance.**
- The cost benefit analysis has been done by UA which is enclosed.

The following undertaking and certificates are submitted by UA:

- Undertaking to bear one time cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as per the scheme prepared by the State Government in connection with the "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project - Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".

- Certified that the proposed forest area is essentially required for "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".
- Certified that the proposed forest area for diversion is the minimum and essentially required for "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".
- Undertaking to pay the cost of extraction of tree growth of the forest land proposed for diversion under the project as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".
- Certified that the proposed Non-Forest land selected for Compensatory Afforestation is in different blocks / and contiguous to Forest area and in close proximity of Forest areas and suitable from the Management and protection point of view.
- Undertaking to pay the Net Present Value (NPV) as arrived at by the Telangana Forest Department demands for the forest blocks for the scheme of "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".
- Undertaking to pay the Additional Net Present Value (NPV) as arrived at by the Telangana Forest Department demands for the forest blocks for the scheme of "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".

- Certified that no work has been carried out so far in the forest areas for "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27" in violation of the provisions and amendments provided/ made under the F(C)A,1980.
- Certified that all the possibilities to avoid forest land for the project have been explored and it is found that no alternative suitable non-forest land is technically suitable and viable for "proposed diversion of **3221.2974** ha of Forest Land in various divisions of Jayashanker Bhupalpally, Medak, Kamareddy, Nizamabad, Nirmal, Rajanna Siricilla, Siddipet & Yadadri Bhongir Districts for the purpose of components such as canals, tunnels, lift systems, reservoirs, and distributory network for Kaleshwaram Project – Medigadda Barrage & Lift system and Packages- 9, 10, 12, 14, 15, 18, 21, 22, 27".

II. District Forest Officers, Siddipet and Medak have furnished the following information in Part II and inspection reports:

A. District Forest Officer, Siddipet

- Proposed for diversion of 1407.439 ha Forest Land for Packages No.10, 12, 14 and 15 of Kaleshwaram Project for Excavation of canals, tunnels, surge pool, delivery cistern, non-over flow dams (Sri Komaravelli Mallanna Sagar, Ananthagiri reservoir, Gandhamalla reservoir, Kondapochamma reservoir), LMC & RMC gravity canals etc).
- The extent of forest areas involved are as follows:

Sl.No.	Package No.	RF Name	Compt No.	Area Diverted
1.	10	Allipur	234	14.4112
2.	12	Kistapur	49	70.062
3.		Sirsingandla Ext	254	100.5328
4.		Sirsingandla	255,	59.6371
5.		Sirsingandla	257	137.2416
6.		Sirsingandla	256	30.2242
7.		Sirsingandla	258	77.7737
8.		Vemulghat	247	245.7590
9.		Vemulghat	248	89.4317
10.		Vemulghat	246	221.1714
11.		Vemulghat	245	137.4771
12.		Vemulghat Ext – III	252	17.179
13.		Vemulghat Ext – IV	253	40.5930
14.		Vemulghat Ext – I	250	36.0821
15.		Vemulghat Ext – II	251	33.3529
16.		Yerraipally	244	20.0597

17.		Yerraipally	242	10.8755
TOTAL				1327.4528
18.	14	Bailampur	278	23.7598
19.		Narsampally	279	2.3301
20.		Narsampally	281	1.9355
21.		Thanedarpally	277	26.6230
22.		Indupriyal	203	4.0553
TOTAL				58.7037
23.	15	Peerlapally	269	6.8711
TOTAL PROJECT AREA FALLING IN SIDDIPET FOREST DIVISION				1407.439

- Legal Status of the notified Forests are as follows:
 - Forest areas notified under Telangana Forest Act, 1967 are:
 - Allipur RF (Compt. No. 234) notified U/s 4
 - Kistapur RF (Compt No. 249) notified U/s 15
 - Sirsinagandla Ext. (Compt.254) notified U/s15
 - Sirisinagandla (Compt No. 255,256,257,258) notified U/s29
 - Vemulghat Ext-III (Compt No. 252) notified U/s4
 - Vemulghat Ext-IV (Compt No. 253) notified U/s4
 - Vemulghat Ext-I (Compt No. 250) notified U/s4
 - Vemulghat Ext-II (Compt No. 251) notified U/s4
 - Erraipally (Compt No. 244, 242) notified U/s4
 - Bailampur (Compt No. 278) notified U/s15
 - Forest areas notified under Hyderabad Forest Act, 1355 fasli are:
 - Vemulghat (Compt No. 247,248,246,245) U/s19
 - Narsampally (Compt No. 279, 281) notified U/s 18
 - Tanedarpally (Compt No. 277) notified U/s19
 - Indupriyal (Compt No. 203) notified U/s 18
 - Peerlapally (Compt No. 269) notified U/s19
- The forests are Dry Deciduous Forests with 0.2 to 0.4 canopy density.
- There are no endangered/rare/unique species of flora and fauna present in the area.
- Wildlife found in the area are wild boars, Chousingha, Jackal, Fox, Nilgai, Spotted Deer, Hare, Jungle Fowls, Pythons, Snakes, Mongoose, Bear, Civet Cat etc.
- Dominant floral species in the areas are 1) Ippa 2) Nalla Maddi 3) Tella Bitra 4) Vepa 5) Vagu Maddi 6) Aare 7) Chennangi 8) Danthi etc.
- There is no protected archeological/ heritage site/ defense establishment or any important monument located in the area.
- The proposed area does not form part of National Park, Wildlife Sanctuary, biosphere reserve, tiger reserve, Elephant corridor, etc.,
- No work is started as on date and there is no violation of F(C) Act, 1980.

- Enumeration of trees: As per the enumeration carried out using stratified random sampling techniques, about 879482 trees are required to be removed from the said area.
- The inspection reports of the forest areas to be diverted are enclosed.
- The proposal is examined in the light of guidelines issued by the Government of India under Scheduled Tribes and other Traditional Dwellers (recognition of Forest Rights) Act 2006 Vide Lr.No.11-9/1998-Fc (Pt) Dt.03.08.2009 and 05.07.2013 is examined and there are no claims under RoFR Act in the proposed areas for diversion and as such it does not attract the provisions of the RoFR Act 2006. The necessary certificate in Form-II issued by the District Collector along with the resolutions of Division Level Committee and Sub - Divisional level Committee and the Gram Panchayath are enclosed herewith.
- The surveyed maps of proposed Forest area are enclosed herewith.
- Compensatory Afforestation: As against the forest land proposed for diversion, User Agency has identified 304.245 ha of non-forest land for compensatory afforestation. The details are as follows:

Sl No	Mandal	Village	Survey No.	Area in Ha.
1	Akkannapet	Gandipally	97.00	22.7794
2	Bejjanki	Regulapally	403	57.9251
3	Cherial	Kadavergu	403	47.8675
4	Kondapak	Giraipally	836	31.6079
5	Husnabad	Mirzapur	171	9.377
6	Husnabad	Keshavapur	154	21.08
7	Koheda	Shanigaram-I	1348	31.59
8	Koheda	Shanigaram-II	1348	20.978
9	Koheda	Gundareddypally	72	61.0401
				304.245

Site inspection of above CA lands has been carried out along with the Forest Range Officer on 06.02.2017, 23.02.2017, 08.03.2017 & 12.03.2017. The proposed Compensatory Afforestation land is hilly and stony interspersed sporadically with trees & shrubs. Therefore, CA scheme has been prepared for 140.2865 ha and in balance 163.9585 ha it is proposed for taking up SMC works

besides protecting the same. Further, compensatory afforestation is proposed for an area of 163.9585 ha in degraded reserved forest land.

The financial outlay of the CA scheme is Rs.2984.59 Lakhs and the CA Scheme is enclosed.

- Project proposal is useful to the people of Telangana for improving the irrigation facilities to their Agricultural fields and also to cater to the needs of drinking water and industrial requirements.

DFO, Siddipet Recommendation: The DFO, Siddipet has recommended the proposal in Part-II subject to following conditions:

- The felling of trees may be restricted to the extent only where it is necessary to remove
- Work shall be taken up only during day time i.e. after sunrise to sunset only.
- The felled material (trees, fuel timber and pulp if any) is the property of the Department and the User agency shall bear the felling, transportation charges, etc.
- Supply of water for forestry activities and wildlife purpose.
- The User Agency shall erect the pillars on the boundary of the proposed area for diversion at every 20 Mt.

B. District Forest Officer, Medak

- Proposed for diversion of 194.0711 ha Forest Land for Package 18 of Kaleswaram Project for excavation of water conveyor system from Gundureddipally to Haldi vagu; and then to carry the balance water upto Manoharabad.
- The extent of forest areas involved are as follows:

Sl. No.	Name of the Range	Name of the Reserve Forest	Area (in Ha)	Legal Status
1	Toopran	Mangalparthy-II, Compt.No.49, 51 & 52	70.1413	Notified U/s.15 and 4 of Telangana Forest Act, 1967
2	Toopran	Yeldurthy, Compt.No.41, 42 & 44	30.1656	Notified U/s.19 of Hyderabad Forest Act,1355 F
3	Toopran	Hastalpur-I, Compt.No.45	45.5127	Notified U/s.4, of Telangana Forest Act, 1967
4	Toopran	Manoharabad, Compt.No.46	31.5324	Notified U/s.4, of Telangana Forest Act, 1967

5	Toopran	Mangalparthy-I, Compt.No.53	1.5556	Notified U/s.4, of Telangana Forest Act, 1967
6	Narsapur	Pillutla, Compt.No.315	45.5127	Notified U/s.4, of Telangana Forest Act, 1967
		Total :	194.0711	

- The forest are Dry Mixed Forests with 0.2 to 0.3 canopy density.
- There are no endangered/rare/unique species of flora and fauna present in the area.
- Wildlife found in the area are wild boars, Chousingha, Jackal, Fox, Nilgai, Spotted Deer, Hare, Jungle Fowls, Pythons, Snakes, Mongoose, Bear, Civet Cat etc.
- Dominant species in the areas are 1) Allanneredu (*Syzygrum cumini*) 2). Bhahuniya (*Bauhinia purpurea*) 3) Bittuga (*Chtoroxylon swietcni*) 4) Danthi (*Baliospermum montanum*) 5) Gumpena (*Lannea coromandelica*) 6) Illintha (*Diospyros chloroxylon*) 7) Jeedi (*Semecarpus anacardium*) 8) Kanuga (*Pongamia pinnata*) 9) Karaka (*Terminilia chebula*) 10) Moduga (*Butea monosperma*) 11) Narlinga (*Albizia Amara*) 12) Nemalinara (*Holoptelea integrifolia*) 13) Pala Kodisha (*Wrightia tinctoria*) 14) Ponna (*Calophyllum inophyllum*) 15) Rela (*Cassia fistula*) 16) Seethaphal (*Annona Squamosa*) 17) Soppera (*Dalbergia paniculata*) 18) Tapsi (*Sterculia urens*) 19) Teak (*Tectona granids*) 20) Billudu(*Chloroxylon switanea*) 21) Tuniki (*Diospyros melanoxylin*) 22) Udugu (*Alangium salvifolium*) 23) Vepa (*Azadirachta indica*) etc.
- There is no protected archeological/ heritage site/ defense establishment or any important monument located in the area.
- The proposed area does not form part of any National Park, Wildlife Sanctuary, biosphere reserve, tiger reserve, Elephant corridor, etc.,
- No work is started as on date and there is no violation of F(C) Act, 1980.
- Enumeration of trees: about 32283 trees are required to be removed from the said area.
- The inspection reports of the forest areas to be diverted are enclosed.
- The proposal is examined in the light of guidelines issued by Government of India under Scheduled Tribes and other Traditional Dwellers (recognition of Forest Rights) Act 2006 Vide Lr.No.11-9/1998-Fc (Pt) Dt.03.08.2009 and 05.07.2013 is examined and there are no claims under RoFR Act in the proposed areas for diversion and as such it does not attract the provisions of the RoFR Act 2006. The necessary certificate in Form-I issued by the District Collector along with the resolutions of Division Level Committee and Sub – Divisional level Committee and the Gram Panchayath are enclosed herewith.

- The surveyed maps of proposed Forest area are enclosed.
- Project proposal is useful to the people of Telangana in improving the irrigation facilities to their Agricultural fields and also to cater to the needs of drinking water and industrial requirements.

DFO, Medak Recommendation: The DFO, Medak has recommended the proposal in Part-II subject to following conditions:

- The felling of trees may be restricted to the extent only where they are necessary to be removed
- Work shall be taken up only during day time i.e. after sunrise to sunset only.
- Translocation of trees is to be done for desirable species. The translocation charges are to be borne by the user agency.
- The felled material (trees, fuel timber and pulp if any) is the property of the Forest Department and the User agency shall bear the felling, transportation charges, etc.
- Supply of water for forestry activities and wildlife purpose.

III. I have inspected the forest lands proposed for diversion in Medak and Siddipet districts (Sri Komaravelli Mallanna Sagar and Konda Pochamma Reservoir) on 03.03.2017 and 10.03.2017 respectively. The details are as follows:

a. Siddipet District:

- i. In the forest areas proposed for Sri Komaravelli Mallanna Sagar, the forest area is totally degraded with varying canopy density of 0.1 to 0.2. The terrain is highly undulating with lot of rocky outcrops. The area is hilly with boulder stones all over. It is interspersed with small-small patches of soil having very little depth. The forest is very poor in biodiversity. The forest comprises of mostly pole crop and there is not much timber of significance.
- ii. In the forest areas proposed for Konda Pochamma Reservoir, the forest terrain is level ground and having good depth of soil. Earlier this area was having old seed origin Eucalyptus plantation which was recently harvested and uprooted. The said area is forming a part of proposed plantation to be taken up in 2017 planting season. Therefore, there are very little number of trees which are coming under submergence.
- iii. These reservoirs are meant for storage of water will form main source of water for other districts of the State for irrigation and drinking purposes. It is envisaged to irrigate about 18,25,700 acres in addition to providing drinking water for the people as well as cattle and also for industrial purposes. The reservoirs would also serve as permanent source of water for the wildlife which otherwise would have been suffering due to shortage of water

especially during summer season as this area has very low rainfall. Besides, the reservoir, will also help in recharging the groundwater in the forests and hence would help the local flora and fauna. It is a well-known fact that the newly created State of Telangana has very low rainfall and agriculture is rain-fed and also the economy of the people is dependent on agriculture.

b. Medak District:

- i. The forest proposed for diversion is for excavation of canals and is totally degraded with varying canopy density of 0.2 to 0.3. The terrain is highly undulating with lot of rocky outcrops. It is interspersed with large patches of soil with very little depth. The forest is very poor in biodiversity. The forest composition mostly of pole crop and there is not much timber of significance.
- ii. The canal would carry water by gravity for mainly irrigation purposes for the villages of Medak District. Since, it is passing through the reserved forest so it is recommended to have sufficient number of bridges across it for the wild animals to cross over and maintain the continuity of wildlife habitat. On the other hand the canal would serve as permanent source of water for the wildlife which otherwise would have been suffering due to shortage of water especially during summer season as this area has very low rainfall. The canal water will also help in recharging the groundwater in the forests and hence would help the local flora and fauna.

The inspection notes are enclosed.

Hence, the project will go a long way in boosting economy of the people in general on a permanent basis.

Therefore, taking into consideration all the above mentioned points the proposal is recommended in Part III subject to the following conditions:

- o The conditions imposed by District Forest Officers, Siddipet and Medak shall be complied with by the User Agency.
- o The user agency shall construct the over / under passes across the canals for crossing of the wild animals and thereby maintaining the continuity of the wildlife habitat.

This is submitted for kind perusal and necessary action.

Encl: A/a

Yours faithfully,

 25/3/17

Chief Conservator of Forests, Medak