

Subject: Proposal for diversion of 3168.131 hectares (revised from 3221.2974 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, Lift System, Surge pool, delivery cistern, and reservoirs etc involved in Kaleshwaram Project in different district of Telangana State in favour of Chief Engineer, Kaleshwaram Project under TDWSP.-Regarding.

1. The State Government of Telangana, Forest Department vide their letter No. 3747/For. I (1)/2014 dated 27.03.2017 submitted a proposal to obtain prior approval of the Central Government, in terms of the section-2 of the Forest (Conservation) Act, 1980 for diversion of 3168.131 hectares (revised from 3221.2974 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, Lift System, Surge pool, delivery cistern, and reservoirs etc involved in Kaleshwaram Project in different district of Telangana State in favour of Chief Engineer, Kaleshwaram Project under TDWSP.
2. The FAC considered the above said proposal and observed the following :
 - (i) The proposed area falls in 8 forest divisions as below:-

S. No.	Division name	Compartment No.	Forest Area
1.	Mahadevpur	248,249,247,248,249,248,247,253,254,252,251,248, 249,253,254,252,251,250,248,246,245,249,235.	338.4826 ha
2	Karimnagar+ Siricila	Not Reported.	445.9565
3	Siddipet	234,249,254,255,256,257,258,252,253,250,251,242, 278,247,248,246,245,279,281,277,203,269.	1407.439 ha.
4	Yadadri	243,245,246,249,248.	109.5738 ha.
5	Medak	49,51,52,41,42,44,315,45,46,53.	194.0711 ha.
6	Nizamabad	Not Reported.	323.3667 ha.
7	Banswada	460,463.	26.6844 ha.
8	Nirmal	971,972,973,974,975,976,1051,1007,1013,1024,1039 ,1071,1072,1073,1075,1076,1077,1066,1067,1068,10 70,1090,1049,1050,1056,1057,938,939,940,852,853, 984,988,989,990,992,993,994,996,1000.	322.5574 ha.
	Total		3168.1351 ha

(ii) The legal status of forest land is Reserved Forests.

(iii) The forest density for proposed forest land varies from 0.1 to 0.7 as below:

- (i) Jayashanker Bhupalpally (0.3 to .04).
- (ii) Rajanna Sircilla (0.1 to 0.4).

- (iii) Siddipet (0.2 to 0.4).
 - (iv) Yadadri Bhongir (0.4).
 - (v) Medak (0.2 to 0.3).
 - (vi) Nizamabad (0.4 to 0.7).
 - (vii) Kamareddy (0.4)
 - (viii) Nirmal (0.4).
- (iv) Approximately 13.5 Lakh trees are affected in the Project. Tree felling in respect of all District/Divisions:-
- Total trees = 12, 28, 879/-
- Total poles = 1, 22, 784/-.
- (v) The division-wise brief note on vulnerability of the forest area to erosion are as below:
- (i) **Jayashanker Bhupalpally**:- As reported by the DFO, Jayashanker Bhupalpally, the proposed for diversion is linear i.e. for construction of Barrages Gravity canals, Delivery Cistern Power line, Pressure Main Gravity Canal and Powerline. The Area proposed for diversion is mostly passing in Mahadevpur RF. The terrain is plain to undulating, which is slightly vulnerable to erosion.
 - (ii) **Rajanna Sircilla**:- As reported by the DFO, Rajanna Sircilla, the proposals are for construction of reservoirs for water storage purpose and are proposed in between the hill areas and hence there is chance of soil erosion and may affect slope stability of the hillocks. The FRL of Malkapet Reservoir (Package -IX) is 432.5 mts and that of Ananthagiri Reservoir is 397.0 mts. Hence, the user agency is requested to take up suitable slope stability measures keeping in view of the stability of total hilly areas as the areas proposed are under submergence and simultaneously, the suitable afforestation activities are also proposed in the remaining forest areas in CA-Scheme in detail.
 - (iii) **Siddipet**:- As reported by the DFO, Siddipet, No soil erosion is anticipated as the proposed area for Excavation of Canals, tunnels, surge pool, delivery cistern, non-over flow dam (Reservoirs), LMC & RMC gravity canals in forest area.
 - (iv) **Yadadri Bhongir**:- As reported by the DFO, Yadadri Bhongir, as the areas proposed for storage reservoir and excavation of canals only and the existing tree growth will be retained and no felling proposed in the area proposed Gandhamalla Storage Reservoir, except canals. The he there is no much prone to erosion.
 - (v) **Medak**:- As reported by DFO, Medak, Not much prone for Kaleshwaram project in favour of Irrigation & CAD Department.
 - (vi) **Nizamabad**:- As reported by DFO, Nizamabad, the area proposed for diversion is plain to gentle and undulating slope and there is scope for soil erosion.
 - (vii) **Kamareddy**:- As reported by DFO, Kamareddy, Not Vulnerable to erosion.
 - (viii) **Nirmal**:- As reported by the DFO, Nirmal, there will be no erosion due to the construction of canals, tunnels, Lift System and reservoirs involving in Kaleswaram Project.
 - (vi) The CA scheme has been given by the project proponent. The Total Estimate Cost of the project in respect of 08 divisions is **Rs. 80, 499.71/-** Crore. The identified non-forest lands have been inspected by the concerned FDO/DFO for its suitability for raising CA. After field inspection, the concerned FDO/DFOs have recommended for taking over the following lands:-

District	Division	NFL to be taken over by FD (in Ha)
Rajanna-Sircilla	Karimnagar-Sircilla	1467.00

Jagtiyal	Jagtiyal	500.920
Warangal Urban	Warangal Urban	177.775
Siddipet	Siddipet	304.245
Peddapalle	Peddapalle	453.296
Nalgonda	WLM N Sagar	308.289
Nalagonda	Nalgonda	155.614
Total		3367.139

(vii) The following certificates on Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 are given:

- (1) The District Collector, Jayashanker Bhupalpally, Government of Telangana has issued FRA certificate No.E/492/2017 dated 03.03.2017 for diversion of 338.4826 hectares.
- (2) The District Collector, Rajanna Sircilla, Government of Telangana has issued FRA certificate No.E/805/2017 dated 09.03.2017 for diversion of 445.957 hectares.
- (3) The District Collector, Siddipet, Government of Telangana has issued FRA certificate No. G/248/2017 dated 08.03.2017 & 20.03.2017 for diversion of 1407.438 hectares.
- (4) The District Collector, Yadadri Bhongir, Government of Telangana has issued FRA certificate No.F/671/2016 dated 2.03.2017 for diversion of 109.5738 hectares.
- (5) The District Collector, Medak, Government of Telangana has issued FRA certificate No. D1/244/2017 dated 25.03.2017 for diversion of 194.0711 hectares **(For Linear)**.
- (6) The District Collector, Nizamabad, Government of Telangana has issued FRA certificate No. E1/505/2017 dated 17.03.2017 for diversion of 323.3667 hectares.
- (7) The District Collector, Kamareddy, Government of Telangana has issued FRA certificate No. E1/371/2017 dated 02.03.2017 for diversion of 26.6844 hectares **(For Linear)**.
- (8) The District Collector, Nirmal, Government of Telangana has issued FRA certificate No. E5/311/2017 dated 24.03.2017 for diversion of 322.557 hectares **(For Linear)**.

All District Collectors are Certifying the information in respect of all clauses of the MoEF's advisory dated 05.07.2013 i.e. diversion of forest land the for facilities managed by the Government and safeguarding the rights of Primitive Tribal Group and Pre-Agricultural Communities as required under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, discussion on the proposal in meeting of concerned Gram Sabha (s) maintaining the prescribed quorum, etc., Documentary evidences in support of settlements of rights under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, has been submitted by the state government.

(viii) There is no displacement / Ousters in the project.

(ix) The Environment Clearance under Environmental (Protection) Act, 1986, is accorded (TOR) by the MoEF & CC, GoI file no. J-12011/1/2017-IA-/I(R) dated 31.03.2017,

(x) **The land use plan is not given.**

3. The FAC also considered that the State Government of Telangana vide their letter dated 27.03.2017 submitted the following additional information pertaining to the proposal:-

- (i) The above said proposal were forwarded to the respective District Forest Officers/Forest Divisional Officers having jurisdiction over forest area, for processing under Forest (Conservation) Act, 1980 and the relevant rules and guidelines issued by GoI from time to time. The respective Forest Divisional Officers/ District Forest Officers and Conservators of Forests have submitted processed proposal with recommendation in Part-II and Part-III respectively together with all relevant information/documents enclosed to the proposals. During the field inspection and as per the request of the User Agency, there is revision in the extent of forest areas required as per the field requirement and the final requirement is as follows:-

S. No.	Name of the District	Name of the Forest Division	Package No.	Forest Area in Ha	Revised Forest Area in Ha
1	2	3	4	5	6
1	Jayashanker Bhupalpally	Mahadevpur	Medigadda Barrage & Lift System	338.4826	338.4826
2	Rajanna Sircilla	Kaimnagar + Sircilla	9, 10	445.9570	445.9565
3	Siddipet	Siddipet	10, 12, 14, 15	1407.4388	1407.4390
4	Yadadri Bhongir	Yadadri	14, 15	109.5740	109.5738
5	Medak	Medak	18	194.0710	194.0711
6	Nizamabad	Nizamabad	21, 22	299.0630	323.3667
7	Kamareddy	Banswada	22	104.1540	26.6844
8	Nirmal	Nirmal	27	322.5570	322.5574
	TOTAL:			3221.2974	3168.1315

(ii) **COMPENSATORY AFFORESTATION:**

The User Agency has identified the non-forest CA lands in various districts, carried out ETS & DGPS/ DGNSS survey and furnished the maps and corresponding details, which are as follows:

District	Division	Area in ha
Sircilla	Karimnagar-Sircilla	1681.6814
Jagtiyal	Jagtiyal	490.02
Warangal Urban	Warangal Urban	177.775
Siddipet	Siddipet	300.9609
Peddapalle	Peddapalle	820.8516
Nalgonda	Nalgonda + Nagarjunsagar	646.77
	Total	4118.059

- (iii) The identified non-forest lands have been inspected by the concerned FDO/ DFO for its suitability for raising Compensatory Afforestation. After field inspection, the concerned FDO / DFOs have recommended for taking over the following lands:

Sl. No.	District	Division	NFL to be taken over by FD in Ha
1	Rajanna -Sircilla	Karimnagar-Sircilla	1467.000
2	Jagtiyal	Jagtiyal	500.920
3	Warangal Urban	Warangal Urban	177.775
4	Siddipet	Siddipet	304.245
5	Peddapalle	Peddapalle	453.296
6	Nalgonda	WLM Nsagar	308.289
7	Nalgonda	Nalgonda	155.614
Total			3367.139

Sl.No.	District	Division	Financial Outlay in NFL (Rs.in lakhs)	Financial Outlay in DFL (Rs.in lakhs)	Total Financial Outlay (NFL + DFL) (Rs.in lakhs)
1	Rajanna -Sircilla	Karimnagar-Sircilla	11536.107	0.000	11536.107
2	Jagtiyal	Jagtiyal	1264.784	0.000	1264.784
3	Warangal Urban	Warangal Urban	2007.523	0.000	2007.523
4	Siddipet	Siddipet	1863.141	1121.449	2984.590
5	Peddapalle	Peddapalle	1097.944	1672.263	2770.207
6	Nalgonda	WLM Nsagar	4450.225	0.000	4450.225
7	Nalgonda	Nalgonda	2339.273	0.000	2339.273
8	Yadadri Bhuvanagiri	Yadadri Bhuvanagiri	0.000	62.408	62.408
Total			24558.997	2856.120	27415.12

- a. It is submitted that, certain extent of the identified non-forest land has existing tree growth and some lands are rocky, in which only protection measures and soil & moisture conservation measures are proposed by the concerned FDO / DFO. Accordingly, the CA scheme is prepared as per the specifications of the GoI. Out of 3367.139 ha, planting will be taken up in an area of 3038.239 ha and balance area will be protected and SMC works will be taken up. In addition to the afforestation proposed in the non-forest CA land, afforestation in degraded forest land to an extent of 617.254 Ha is prepared in Siddipet and Peddapalle Districts. In addition to this, an area of 24.00 Ha is also proposed for CA in degraded forest land in Yadadri-Bhongir division, as

24.00 Ha of plantation is lost due to submergence. The total financial outlay for CA is as follows:

Site suitability certificate along with CA scheme proposals, prepared by the concerned DFO / FDOs which are self-explanatory are enclosed with the proposal.

The approved CAT plan with cost is not submitted by the State Government of Telangana.

4. The Site Inspection Report has been carried out by the Regional Office, Chennai and submitted vide their letter No. 4-TSA072/2017-CHN/0808 dated 26.05.2017. The same as reproduced below was considered by the FAC

*The Ministry of Environment, Forests & Climate Change (FC Division) vide letter F.No.8-31/2017-FC dated 18.04.2017 has requested this office to **inspect the forest land of 3168.131 ha proposed for diversion in favour of the Chief Engineer, Kaleshwaram Project under TDWSP, for the purpose cited under the subject mentioned above, and submit a report to the MoEF& CC, New Delhi.***

Latitude and Longitude (Medigadda Barrage)	80°04' 37" E 1W 42' 48" N
Components of the project	<ul style="list-style-type: none"> • Three Barrages • Seventeen Online Storages
Diversion of water from River Godavari	180 TMC (5097.6 MCM)
Command area	Karimnagar, RajannaSircilla, Siddipet, Meda.k, Yadadri-Bhongir, Nalgonda, Sangareddy, Nizaxnabad, Jagityal, Kamareddy, Nirmal, Medchal, Peddapalli.
Irrigation <ul style="list-style-type: none"> • New Command Area • Stabilisation of the existing Command Area 	7,38,851 ha (18,25,700 acres) 7,62,028 ha (18,82,970 acres)
Water availability	180 TMC from Medigadda , 20 TFC from Sri Pada Yellampally project.
Capacity of existing online balancing storages	55.98 TMC (1585.35 MCM)
Capacity of proposed online balancing storages	147.71 TMC (4183.14 MCM)
Forest land requirement (ha)	31681315
Land Acquisition (ha)	28376.63
Total length of water conveyor system (km)	1,832
Total Power requirement (MW)	4,627
Energy requirement (Million units)	13,558
Cost of the project	Rs. 80,449.71 Crores
B-C Ratio	1.55
Latitude and Longitude (Medigadda Barrage)	80°04' 37" E 1W 42' 48" N

Components of the project	<ul style="list-style-type: none"> • Three Barrages • Seventeen Online Storages
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Irrigation <ul style="list-style-type: none"> • New Command Area • Stabilisation of the existing Command Area 	7,38,851 ha (18,25,700 acres) 7,62,028 ha (18,82,970 acres)

The additional facts and figures, which this office has come to know and mentioned in this forwarding letter, have been gathered from various sources, such as, the proposal itself, Working Plans and the information received during the field inspection from the local forest officials as well as project authorities. The site inspection of the forest land proposed for diversion for the project has been carried out by the undersigned from 26th- 29th April 2017 and the inspection of CA land was carried out by the Deputy Conservator of Forests (Central) from 26th to 29th April 2017. A copy of the detailed inspection report of DC IF (Central).

Introduction

The Special Chief Secretary, Environment, Forest, Science and Technology Department, Govt. of Telangana, Hyderabad, vide his letter No3747/For.I (1)12014 dated 27.03.2017, has submitted a proposal for diversion of 3168.131 hectares (revised from 3221.2974 hectares) of forest land in 8 different forest divisions, viz., Mahadevpur, Karimnagar-Sircilla, Siddipet, Yadadri, Bhongir, Medak, Nizamabad, Banswada and Nirmal divisions for construction of Canals, Tunnels, Lift System, Surge Pool., Delivery Cistern and Reservoirs, etc. involved in Kaleshwaram Project in different districts of Telangana State in favour of the Chief Engineer, Kaleshwaram Project under TDWSP to the Secretary, Ministry of Environment, Forest & Climate Change, New Delhi and requested **to obtain and** communicate the approval of Government of India, Ministry of Environment, Forest & Climate Change under Section-2 of the Forest (Conservation) Act 1980, at the earliest.

The Kaleshwaram project envisages diversion of 180 TMC of water by constructing a barrage across river Godavari in Telangana State. The location of the said barrage is at Medigadda (V) near Kaleshwaram below the confluence of Rivers Pranahitha and Godavari. In addition to that, two more barrages are planned **at Annararn (V) and Sundilla (V)**. Conveyance of water is planned by pumping of the water through gravity canals, tunnels and lifts with online storage reservoirs, which are covering 13 districts.

The proposal:-

Salient Features of the Project:- According to the Chief Engineer, Kaleshwaram Project, this project envisages diversion of water by construction of barrage across river Godavari at Medigadda near Kaleshwaram and two more barrages between Medigadda and SripadaYellampally Project at Annaram village and Sundilla village and to convey water to the command area spread over in 13 districts of Telangana through components, such as, canals, Tunnels, Surge Pool, Delivery Cistern, Lift System, Reservoirs and Distributary Network to supply the water by lift. This project system is designed to carry about 2.00TMC per day of water and also proposed to be increased from 11.43 TMC to 147.71 TMC, involving of 20 numbers of reservoirs. The net availability of water at proposed barrage is assessed as 282.300 TMC (as against the requirement of 160 TMC), considering the ongoing and proposed utilization through project. It is contemplated to irrigate a command area of 18,25,700 acres of land in 13 districts of Telangana State. For the above purposes, forest land to the extent of 3168.131 ha in 8 different forest divisions is required for Kaleshwaram project. The features are summed up as below.

Divisions-wise and package wise forest land requirement:-

Name of the District	Name of the Forest Division	Forest Area (in Ha.)
Jayashanker Bhupalpally	Mahadevpur	338.4826
Rajanna Sircilla	Karimnagar+Siricila	445.9565
Siddipet	Siddipet	1407.439
Yadadri Bhongir	Yadadri	109.5738
Medak	Medak	194.0711
Nizamabad	Nizamabad	323.3667
Kamareddy	Banswada	26.6844
Nirmal	Nirmal	322.5574
Total		3168.1315

Forest Composition:-

The forests are mainly of tropical dry forests. Though climate is same in these areas, the forests are varied depending on edaphic and biotic factors.

Flora

Mahadevpur RF

The forests in this area are mainly of the following type -

- 1) 5A/C1(b) Southern tropical dry teak forests
- 2) 5AiC3 Southern tropical dry mixed deciduous forests
- 3) 5051 - Dry deciduous scrub

Southern tropical dry teak forests

Mainly consists of *Tectona grandis*, *Pterocarpus marsupium*, *Terminalia tomentosa*, *Madhuca latifolia*, *Diospyros melanoxylon*, *Boswellia serrata*, *Wrightia tinctoria*, *Acacia sundra*, etc.

Southern tropical dry mixed deciduous forests

Anogeissus latifolia, *Chloroxylon swietenia*, *Boswellia serrata*, *Tectona grandis* (less than 10%), *Lagerstroemia parviflora*, *Diospyros melanoxylon*, *Sterculia urens*, *Adina cordifolia*, *Bombax ceiba*, *Madhuca latifolia*, etc.

Dry deciduous scrub

Stunted *Terminalia tomentosa*, *Acacia sundra*, *Gardenia species*, *Diospyros melanoxylon*, *Zizyphus species*, etc.,

Sircilla RF

These forests mainly consist of dry deciduous scrub with stunted growth of *Terminalia tomentosa*, *Acacia sundra*, *Diospyros melanoxylon*, *Albizia amara*, *Azadirachta indica*, *Annona squamosa*, etc.

Anantharam RF

These forest mainly consist of dry deciduous scrub with mainly *Acacia sundra*, *Diospyros melanoxylon*, *Albizia amara*, *Azadirachta indica*, *Annona squamosa*, etc.

Peerlapally RF

The forest are dry deciduous forests. Dominant flora are Stunted *terminalia*, *Mahua indica*, *Albizia amara*, *Azadirachta indica*, etc.

Veerareddypally RF

The forests are dry deciduous forests with density 0.2 to 0.3. Dominant flora are *Mahua indica*, Stunted *terminalia tomentosa*, *Azadirachta indica*, *Albizia amara*, etc.

Fauna

Leopard (*Panthera pardus*), Fox (*Vulpus bengalensis*), Hyena (*Hyaena hyaena*), Jackal (*Canis aureus*), Wolf (*Canis lupus*), Cheetal (*Axis axis*), Neelgai (*Boselaphus tragocamelus*), Four horned antelope (*Tetracem quadricornis*), Sambar (*Cervus unicolor*), Chinkara (*Gazella gazella*), etc.

The Compensatory Afforestation

The user agency has identified the non-forest CA lands in various districts, carried out ETS & DGPS DGNSS survey and furnished the maps and corresponding details, as follow: -

SL No.	Name of the District	Name of the Division	Area in ha
1.	Sircilla	Karimnagar - Sircilla	1681.6814
2.	Jag yal	Jagtiyal	490.02

3.	Warangal Urban	Nalgonga Urban	177.775
4.	Siddipet	Siddipet	300.9609
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6.	Nalgonda	Nalgonda N Sagar	646.77
Total			4118.059

The identified non-forest lands have been inspected by the concerned FDO DFO for its suitability for raising Compensatory. Afforestation. After field inspection, the concerned FDO / DFOs have recommended for taking over the following lands: -

S. No.	Name of the District	Name of the Division	NFL to be taken over by FD in Ha.
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2.	Jagtiyal	Jagtiyal	500.920
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6.	Nalgonda	WLM Nsagar	308.289
7.	Nalgonda	Nalgonda	155.614
		TOTAL	3367.139

The Site Inspection and the Recommendations

The forest areas visited are -

Sl. No .	Date	Forest Division (4 No.)	Pkg No.	Forest	Area (Ha) Inspected areas
1.	2		4	5	6
1.	26.04.2017	FDO- Mahadevpur	Meddi gadda LIS	338.4826 Mahadev -pur RF	<p>Gravity Canal at Km. 1.266 L 260 & L300 near Kannepally village. Mahadevpur RF - Density of crop being 0.3 - OA.</p> <p>a) Road crossing in between Kaleshwaraam to Mahadevpur (V) RKm 155. R 550 - Density being 0.7- 0.8</p> <p>b) Road crossing in between Mahadevpur (V) to Annaram (V) @ Km 8.00. L 800 - Density being 0.7 -0.8.</p>

2	27.04.2017	DFO- Karimnagar &Sircilla	9	329.1385 Sircilla RF	Malakpet Reservoir at Malakpet village. Point MR 99 Sircilla RF. Canal at 0.5 Km. Point L300 Canal at 0.75 Km. Point R003. Density being 0.3
			10	116.8180 Ananthapru m RF	Ananthagiri Reservoir FRL points R548, R549Patnangutta& N simhagutta ,and 8683 3.50 H. Density 0.1 - 0.3
		DFO	Siddipet	1327.45 Vernula- ghat RF	Sri KomeravelliMallannaSagar near BrahmanaBanjarpally(v), VemulaghatRF.Point F 102,& F101 Density 0.2 - 0.4
			12 14	54.648 F D C	KondaPochammaSagar near Gouraram (v), MuluguRF.Points Fl
				Plantation	& F2. FDC Eucalyptus Plantation. UA to obtain funds to be deposited to FDC
3	29.04.2017	DFO Yadadri Bhongir	15	Peeria- pally RF 6.8711 Veera- redly RF 961957	Main canal fromSriKomeravelliMallannaSagar to Malkapally/ KandukuruVagu near Peerlapally (v), PeerlapallyRF.point 2 & 3 @ Km 20.85 - Density is around 0.2 - 0.4 Gandharnalla Reservoir Veerareddypalli(v),FRL points GR 85 & GR 86 in Veerareddypalli RE. Density is around 0.2 to 0.4

Recommendations:-

- i. At Medigadda gravity canal of KM 3.375 to 15.175 stretch of Mahadevpur RF, where thick forest crop is there and where canal is cutting across several super passes on streams are suggested by the user agency. In addition to that five additional double lane road bridges, which facilitate animal crossings, viz. at Km 6.175, 7.05, 8.425, 10, 11.375. In total, 27 such structures are proposed.
- ii. As recommended by DFO, the excluded patch of RF near Akkapallytanda is to be chain linked to protect from encroachment in the Sircilla RF. And also overpasses for wildlife movement at Km 0.68, Krn 1.35, Km 2.61 and Km 3.27 are suggested.

- iii. The Forest Department is to utilize the immense water potential to improve the forest crop, fodder and for overall health of wild animals.
- iv. Trees below 10 meters from FRI, have to be retained as far as possible in the reservoirs.

Violations noticed:- Reported by the Forest Department

It is reported that the contractor has committed violation in small stretch at Ambatpally village, Suraram Block in the Mahadevpur RF'. It was compounded by the Forest Department after payment of compounding fee. It was construction of small camp office, which was removed subsequently.

It is reported **that** violation was noticed by Forest Department for the area of 3.9694 ha for construction of surge pool and other structure. It I also said that notice was also issued by the Department.

Wildlife Management

Apart from civil structures proposed as above, there **are certain intensive** measures that have to be undertaken by the Forest Department for the overall improvement of wildlife

- i. Protection of habitat and protection - Due to rapid industrialization, mining activity, illicit fellings and fragmentation of landscape, there is a greater need to protect.
- ii. Increase the fodder availability in the forest for wildlife.
- iii. Desilting of tanks and water holes in the forest areas to increase the water availability for wildlife.
- iv. Anti-poaching strategy and Anti-encroachment strategy.
- v. Provision of salt licks.
- vi. Provision of vehicles to forest subordinate staff.
- vii. Launching of public awareness programmes.

(vi) Environmental Aspects:

It is informed that the user agency has applied for environment clearance and the Ministry has issued TOR accordingly.

(vii) CA areas identified

The details of the non-forest CA lands proposed in the project are as follow:

S. No.	Name of the District	Name of the Division	Area in Ha
1.	Sircilla	Karimnagar-Sircilla	1681.6814
2.	Jagtiyal	Jagtiyal	490.02
3.	Warangal Urban	Warangal Urban	177.775
4.	Siddipet	Siddipet	304.245
5.	Peddapalle	Peddapalle	820.8516
6.	Nalgonda	Nalgonda Nagarjunsagar	646.77
		Total	4118.059

The Details of the non-forest CA lands identified after field verification by forest Department is as below:-

S. No.	Name of the District	Name of the Division	NFL to be taken over by FD in Ha.
1.	Rajanna - Sircilla	Karimnagar-Sircilla	1467.00
2.	Jagtiyal	Jagtiyal	500.920
3.	Warangal Urban	Warangal Urban	177.775
4.	Siddipet	Siddipet	304.245

5.	Peddapalle	Peddapalle	453.296
6.	Nalgonda	WLM N Sagar	308.289
7.	Nalgonda	Nalgonda	155.614
		TOTAL	3367.139

The Details of non-forest lands found fit after site inspection by Deputy Conservator of Forests (Central), Regional Office, (SEZ), Chennai is as below:-

S. No.	Name of the District	Name of the Division	NFL to be taken over by FD in Ha.
1.	Rajanna - Sircilla	Karimnagar-Sircilla	1402.00
2.	Jagtiyal	Jagtiyal	500.920
3.	Warangal Urban	Warangal Urban	177.775
4.	Siddipet	Siddipet	140.2865
5.	Peddapalle	Peddapalle	0.000
6.	Nalgonda	WLM N Sagar	308.289
7.	Nalgonda	Nalgonda	155.614
		TOTAL	2684.843

The Deputy Conservator of Forests based on the Suitability Certificate issued by the DFO concerned and after field inspection has not recommended 163.9585 ha, out of 304.245 ha. as per the recommendation of DFO, Siddipet, 453.296 ha. out of 453.296 ha. as per the recommendation of DFO, Peddapalle and 65 ha out of 1467 ha as per the recommendation of DFO, Rajanna-Sircilla as they found them not fit for plantation. The same may be excluded and the State Government may be requested to provide alternative non-forest lands to cover up the balance area for compensatory afforestation.

In short, keeping in view the public interest, the entire project with construction of the barrages and canals is recommended, subject to the usual conditions and especially the civil structures recommended to allow smooth passage of the wild animals. The Forest Department may also be advised to have a Plan of Action to utilize the water potential available nearby for the benefit of forest crop and also to the wild animals.

5. The FAC also observed the following

- a) The translated resolutions of Gram Sabhas not received.
- b) Activity in violation of FC Act in two sites reported.
- c) The site suitability certificates for CA land not given.
- d) Detailed land use plan not given.
- e) CAT plan not provided.
- f) There is shortfall in CA area provided by 814 Ha as per SIR of RO Chennai..
- g) There is a court case pending before Hon'ble NGT titled Mohd. Hayathuddin Vs UoI & Ors (OA No 372/2017).

6. The FAC considered the above facts and the submissions made by the State Govt during the meeting, stating that the documents i.e translated resolutions of Gram Sabhas, action on violation of FC Act in two sites, the site suitability certificates for CA land, detailed land use plan and CAT plan would be provided by them immediately.

7. The FAC recommended that the proposal be put up before FAC after the receipt of the above information/clarifications and also the status, comments and latest information on the pending litigation before the NGT.
8. A copy of the minutes of FAC meeting held on 15.06.2017 is placed in file at F/X.
9. It is observed that the that the State Government Nodal Officer(FCA) , State Government of Telangana, Forest Department vide their letter No. 2514/2017/FCA-1 dated 15.06.2017 has submitted the information as desired by FAC in its meeting held on 15-06-2017 . The point-wise information are as under:

S. No.	FAC Observation	Reply Submitted by the State Forest Department
1.	The translated resolutions of Gram Sabhas not received.	In this regard the attested copies of translated Gram Sabha resolutions have been given and placed in file at Pg. 1980-2055/c.
2.	Activity in violation of FC Act in two sites reported.	With regard to violations, the nodal officer intimated vide her letter datd 15.06.2017 (Pg. 1978-1979/c) that the reports submitted by DFO, Siddipet and DFO, Peddapally regading works / activities in Tukkarapur, Yellareddypet, Goliwada, Siripuram, Kasipeta and Ramachandrapuram villages states that the works being carried out by the proponent are sum temporary structure likes sheds at camp side, machinery kept and all these are outside reserve forest area. It is further clarified that theise activities are in revenue lands only. The State Government has furnished a copy of reply of EE Kaleshwaram Project (Pg. 2152-2153/c) to the show-cause issued by DFO, Rajanna – Sircilla for violation in 3.9694 ha in Ananthagiri Reservior and letter DFO, Rajanna Sircilla to PCCF (Pg. 2150-2151/c). No further works is being carried out after showcasue in Ferbruary, 2017. It is suggested that the Penal CA to be imposed for the work carried out.
3.	The site suitability certificates for CA land not given.	In this regard, no specific certificate about suitability is given by the State Government. However, the Divisions -wise CA schemes incorporating about site suitability has been given and may kindly be seen (Pg.2056-2102/c).
4.	Detailed land use plan not given.	In this regard, the divisions -wise land use plan has been submitted and the same may kindly be seen at (Pg. 2133-2149/c).
5.	CAT plan not provided.	In this regard the State Government has provided the cost structure of CAT plan for (7) divisions (Pg. 2103-2132/c). The projected cost for CAT plan is Rs. 2734.800 lakhs (Pg. 2105/c). However, it is not clear whether the CAT plan has been approved by the competent authority.

6.	There is shortfall in CA area provided by 814 Ha as per SIR of RO Chennai.	No specific comment on this issues is given by the State Government. However; it is reported by the State Government (Pg. 1979/c) that CA scheme is prepared and proposed in degraded Forest land to an extent of 641.254 ha apart from the CA schemes prepared in non-forest land.
7.	There is a court case pending before Hon'ble NGT titled Mohd. Hayathuddin Vs UoI & Ors (OA No 372/2017).	In this regard, no information is given by the the State Government.

DSS analysis Report: The shape file as provided has been analysed by DSS cell and their comprehensive report may kindly be seen at F/R-1. The major observation stated in the report are as follows:

- (i) DSS based decision: Undecided
- (ii) **Within 10 Km radius from project boundary:** Pranahita WLS, Lanja Madugu Sivaram WLS, Kawal Tiger Reserve
- (iii) Forest Cover Map: MDF: 276 ha., Open forest: 1709 ha. Scrub 72 ha. and Non Forest: 1054 ha
- (iv) Forest type present: Dry Deciduous Scrub, Southern Dry Mixed Deciduous Forest, Dry Teak Forest, Secondary Dry Deciduous Forest and Plantation/ TOF
- (v) **For Compensatory afforestation:** As depicted through Google Earth imagery, most of proposed patches for CA are found Rocky and might be unsuitable for CA activities.

It is proposed that the above facts related to the instant proposal may be placed before FAC in its meeting scheduled to be held on 20.07.2017 for their examination and appropriate recommendation.
