

Kind attention of Smt.R.Sobha, I.F.S.,
APCCF (FCA)

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Sri Vinay Kumar, I.F.S.,
Chief Conservator of Forests,
Nizamabad Circle,
Nizamabad.

✓ To
The Prl.Chief Conservator of Forests,
(Head of the Forest Force)
Aranya Bhavan, Saifabad,
Hyderabad,
Telangana State.

Rc.No.1004/2017/D1, dated:24.03.2017.

Sir,

Sub:- TSFD-FCA Act 1980 -Proposals for diversion of 3221.297 Ha. of Forest land (8) different Forest Divisions viz Mahadevpur, Karimnagar, Siricilla, Siddipet, Yadadri, Medak, Nizamabad (323.3667 Ha), Banswada (26.6844 Ha) and Nirmal Divisions for construction of canals, Tunnels, lift system and reservoirs involving in Kaleshwaram Project in different Districts of the Telangana State in favour of Chief Engineer, Kaleshwaram Project – Forwarded for processing – Processed proposals of Banswada Division – F.C.A. Proposals submitted – Reg.

Ref: - 1. Prl.CCF.T.G.Hyd.Rc.No.25145/2017/FCA-1, Dated:16.02.2017.
2. FDO Banswada Rc.No.898/FCA/2016, dt:04.03.2017.
3. DFO Kamareddy Rc.No.644/2017/D2, Dated:14.03.2017.
4. FDO Nizamabad Rc.No.541/2017/F2, dt:24.03.2017.



Kind attention is invited to the subject and references cited above.

The Superintending Engineer, Kaleshwaram Project, Construction No.1, Siddipet, Siddipet District has submitted (7+7) sets of proposals in Form-A to the Prl. Chief Conservator of Forests, TS, Hyderabad for diversion of Forest land of 323.3667 Ha in Nizamabad Forest Division of Nizamabad District and 26.6844 Ha. in Banswada Forest Division of Kamareddy district. In turn the Forest Divisional Officer, Banswada has submitted processed proposals in (6) sets vide reference 2nd cited to the District Forest Officer, Kamareddy. The District Forest Officer, Kamareddy has submitted (5) sets of proposals vide reference 3rd cited. The details of proposals are follows:-

1. The User Agency has furnished the following information in Part-I:-

- The Superintending Engineer, Kaleshwaram Project, Construction No.1, Siddipet, Siddipet District has submitted proposals for diversion of 323.3667 Ha in Nizamabad Forest Division and 26.6844 Ha. in Banswada Forest Division of Forest land for construction of canals, Tunnels, lift system and reservoirs involving in Kaleshwaram Project.
- Justification for location of the project in forest area. This project is a multipurpose project and is contemplated to provide irrigation facilities for command area of 18,25,700 Acres in drought prone areas in 13 districts and to provide drinking water to the en-route villages. After working out various alternative alignments, the diversion of forest land to the minimum requirement is worked out as per hydraulic parameters and extent of forest land required.

- This project proposals do not involve any places of historical, religious, archaeological, recreational importance.
- The total cost of the project is Rs.38,500 Crores for (8) forest divisions in the state. Out of which Rs.1143.78 crores for Package No.21 and Rs.1446.48 Crores for Package No.22.
- Cost benefit analysis is 1.5.
- Employment likely to be generated:
 - 1) It engages farmers and agricultural labour for a command area of in 13 Districts.
 - 2) By providing industrial water, it is an incentive setting up of various industries which supports employments generation at various categories.
- There is no displacement of people due to this project.
- RoFR certificate issued by Collector & District Magistrate, Kamareddy is enclosed.
- Certificates enclosed are:-
 - 1) Justification for locating the project inside the Forest land.
 - 2) Undertaking for depositing the funds towards raising and maintenance of Compensatory afforestation.
 - 3) Undertaking for depositing the funds towards payment of Net Present Value (NPV) and Additional NPV.
 - 4) Undertaking for depositing the funds towards payment of extraction of tree growth.
 - 5) Certificate of area Minimum.
 - 6) Detailed statement requirement of forest land.
 - 7) Map in SI sheet showing the forest land.
 - 8) ETS & DGPS/GNSS survey data for forest land proposed for diversion as well as CA land.
 - 9) List of CA lands identified and maps.
 - 10) Certificate for non-violation of Forest (Conservation) Act, 1980.... etc.

2. Part-II Filled by the FDO Banswada is as follows :-

- The legal status of the forest Manchippa forest block notified u/s 19 of A.P.Forest Act, 1355 F Banswada Division and Nizamabad Division, Amsanpally Forest Block of Nizamabad division notified u/s 4 of AF Forest Act, 1967.
- The area of forest land proposed for diversion is 26.6844 Hactares.
- In Banswada Division: II-5A Southern Tropical Dry deciduous forests as per Champion and seth classification. In Nizamabad Division: The density of vegetation is 0.4 to 0.7 and also scrub and open forest less than 0.4.

- The species found in the area are Moduga, vepa, Teak, Ippa, Maddi, Morri, Peltophorum, Jeedi, Nuluva, Rela, Allaneredu, Palas, Budda dharma, etc.
- Total no.of trees falling in proposed diversion area to be felled is 212 numbers.
- In Banswada Division: Not vulnerable of the area to erosion. In Nizamabad division: There is a scope of soil erosion and hence catchment area treatment plan is prepared and enclosed.
- Approximate distance of proposed site for diversion 2.853 Kms.
- There is no rare/endangered/unique species of flora and fauna found in the area proposed to be diverted.
- There is no protected archaeological/heritage site/defense establishment or any other important monument is located in the proposed area.
- The requirement of forest land is 26.6844 Ha in Banswada Division by user agency in the proposal is unavoidable and found minimum for this project.
- No work in violation of Act has been carried out.
- In Banswada Division: The CA area is identified in Peddapally District of Telangana state as per the Prl.Chief Conservator of Forests, T.S., Hyderabad Rc.No.2514/2017-FCA-1, dt:16.0.2017. Map enclosed. In Nizamabad Division: The C.A. land shall be provided by the User Agency in Warangal (Urban), Siddipet, Rajanna Sircilla, Jagitial and Peddapally districts as per proposals submitted.
- In Nizamabad Division: Penal C.A. 22.00 Ha + 2.00 CA Total C.A. is 24.00 Ha.
- In Banswada Division: The cost of NPV =26.6844 Ha x Rs.8.03 lakhs / Ha = **Rs.214.276 lakhs.**

In Nizamabad Division: The cost of NPV =Rs.2121.06 lakhs.

Extraction charges	= Rs.220.169 lakhs
Catchment area treatment plan	= Rs.451.476 lakhs.
Boundary pillars	= <u>Rs.10.00 lakhs</u>
TOTAL	=<u>Rs.2802.751 lakhs.</u>

- Site inspection report of FDO enclosed (duly counter signed by the DFO Kamareddy).
- Specific recommendation of FDO Banswada and DFO Kamareddy is recommended.
- RoFR certificate issued by Collector & District Magistrate, Kamareddy is enclosed.

Remarks on the field notes of FDO, Banswada:-

- The FDO Banswada has inspected the area on 01.03.2017 proposed for diversion for construction of canals, Tunnels, lift system and reservoirs involving in Kaleshwaram Project.
- The species found are Nallamaddi, Teak, Chennangi, Satin, Palakodisa, Ippa, Tuniki, Moduga, Rela, Vuluva, Nemlinara, Soppera, Morri.
- Total no of trees to be felled 212 Nos.
- The fauna found in this area are Spotted deer, Neelgai, Wild boar and Bears.
- The area is free from encroachments and falling eco-sensitive zone.
- There are no claims pending under RoFR act, 2006.
- There are no endangered species that are caused or harmed due to construction of link canal for Kaleshwaram Project.

Remarks on the field notes of FDO, Nizamabad:-

- The FDO Nizamabad has inspected the area on 28.02.2017, 04.03.2017 & 20.03.2017 proposed for diversion for construction of link canal, Tunnels, Reservoir involving in Kaleshwaram Project.
- The species found are Teak, Ippa, Moduga, Gumpena, Vepa, Nallamaddi, Palakodisha, Morri, Danthi, Chennangi, Kanuga, Jeedi etc.
- Total no of trees to be felled 54193 Nos and 17694 Poles.
- The fauna found in this area are Spotted deer, Neelgai, Pea fowl, Wild boar and Bears etc.
- The area does not fall in wildlife protected areas and there is no archeological heritage site, important monuments in the proposed alignments.
- The User Agency has provided RoFR certificates.
- The Forest Divisional Forest Officer, Nizamabad has proposed the following points.
 - 1) Legal status of the Reserve Forest land proposed to the diverted does not charge.
 - 2) The User agency shall pay an amount of Rs.170.743 lakhs towards implementation of the Catchment area treatment (CAT) plan in the Reserve Forest areas adjoining the proposed diverted area for construction of Reservoir, Pipe line and Tunnel pertaining to Kaleshwaram Project in package 21 & 22.
 - 3) Any other conditions imposed by Forest Divisional Officer, Nizamabad from time to time shall be followed by the User Agency.

3. Part-III Filled by the CCF, Nizamabad as follows

- Part-III is submitted herewith.
- Field inspection notes of Nizamabad Division is enclosed.
- Maps are counter signed.

In view of the this project is a multipurpose project and is contemplated to provide irrigation facilities for command area of 18,25,700 Acres in drought prone areas in 13 districts and to provide drinking water to the en-route villages. The **Reserve Forest Area of 323.3667 Ha** in Nizamabad Forest Division of Nizamabad District and **26.6844 Ha. in** Banswada Forest Division of Kamareddy district **are recommended.**

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

Yours faithfully,

Encl: (4+4) Sets

Chief Conservator of Forests, 24/3/17
Nizamabad Circle, Nizamabad.

Copy to the District Forest Officers, Nizamabad and Kamareddy and Forest Divisional Officers, Nizamabad and Banswada for information.

1 Acknowledgment 1

GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

From
Sri T.Venu Babu,S.F.S.,
Forest Divisional Officer,
Nizamabad.

To
The District Forest Officer,
Nizamabad District,
Nizamabad.

Sir,

Rc.No.541 /2017/F2, Dt: 24.03.2017.

Sub:- T.S.-Forest Department – FCA- proposals for diversion of 3221.2791 Ha of Forest Land- In 8 different Forest Divisions viz, Mahadevpur, Karimnagar, Siricilla Siddipet, Yadadri, Medka, Nizamabad, Banswada and Nirmal Divisions for construction of Reservoir, Tunnels and Lift system involving in Kaleshwaram Project in different districts of Telangana State- in favour of Chief Engineer , Kaleshwaram Project –Proposals - Submitted – Regarding.

Ref: - 1.Prl.CCF.T.G.Hyd.Rc.No.2514/2017/FCA-1,dtd.16.02.2017.
2. FRO.NZB(S) Rc.No.69/Kaleshwaram project/FRO.(S)/2016,dt.25.02.2017.
3. EE.Kaleshwaram Project, NZB. Rc.No.EE/KPC Divn/NZB/DB/D1/1016, dt.28.02.2017.

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Kind attention is invited to the subject and references cited above.

It is submitted that, the Chief Engineer, Kaleshwaram Project, Hyderabad dtd. 13.02.2017 has submitted (7) sets of proposals in Form-A to the Prl. Chief Conservator of Forests, TS, Hyderabad and the Prl.Chief Conservator of Forests, TS, Hyderabad forwarded the same to this division vide reference 1st cited above, for diversion of 3221.2971 ha in 8 different districts (299.063 ha) in Nizamabad Forest Division for construction of Reservoir, Tunnels and Lift system involving in Kaleshwaram Project in Nizamabad District in favour of Chief Engineer , Kaleshwaram Project, Hyderabad . The details of proposals are follows:-

The Executive Engineer , Kaleshwaram Project, Nizamabad vide reference 3rd cited, informed that the total area covered under Nizamabad Forest Division is 323.3667 ha for which diversion proposals are prepared and submitted herewith.

1. The User Agency has furnished the following information in Part-I:-

- Kaleshwaram Project is an off-shoot of Dr.B.R.A.P.C.S. project after re-engineering by the Irrigation & CAD department. This project envisages constructions of barrage across river Godavari at Medigadda near Kaleshwaram, and tow more barrages between Medigadda and Sripada Yellampally project at Annaram village & 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 irrigation modified to carry about 2.00 TMC of water per day and also proposed to be increased from 11.43 TMC to 18.00 TMC involving construction of 22 nos of reservoirs. The proposed Pipe line, Tunnel and reservoir are passing completely through the Reserve Forest Areas in Nizamabad (South) and Indalwai Ranges of Nizamabad Forest Division for which Forest Land diversion is required.
- Justification for location of the project in forest area. The proposed Pipe line, Tunnel and reservoir are involved in Nizamabad Forest Division of Nizamabad District has no other alternative route to minimize the cost and shorten the length.
- As per the Hydraulic Designs and Topography of the Area, the proposed locations are very much essential and there is no other alternative alignment.

The total forest area involved is to an extent of 323.3667 Ha in Nizamabad Forest Division.

The sample plot enumeration is done in the Reserve Forest area proposed in different forest density classes as per the sample plot data communicated by the GIS cell, TS, Hyderabad in the areas proposed for construction of reservoir. Sample plots are laid in 32 points and data is

collected. As per the sample data collected, the total number of trees and pole crop is arrived by extrapolation. Total enumeration of tree growth is done in Reserve Forest areas proposed for constructions of pipe line and tunnel. The total tree growth arrived approximately is 71887 Nos (54193 Trees and 17694 Poles). The predominant species enumerated in the alignment are Teak, Ippa, Moduga, Gumpena, Vepa, Nallmaddi, Palakodisha, Morri, Danthi, Chennangi, Kanuga, Jeedi etc.,

Type of Forest density class wise	Sample Plot.Nos	Total Plots	Sample Enumeration in 0.1 Ha		Sample enumeration in 1.0 Ha		Total Area proposed for diversion in the density class	No.of Trees & Poles arrived after extrapolation from the sample plot enumeration of 1.0 Ha	
			Average No.of trees in 0.1 ha	Average No.of Poles in 0.1 ha	No.of Trees in 1 Ha	No.of Poles in 1 Ha		Total Trees (Col.Nos. 7x9)	Total Poles (Col.No.8x9)
2	3	4	5	6	7	8	9	10	11
Dense	3,15,16,22, 23,25, 31	7	42	11	420	114	54.7051	22976	6236
Scrub	4,5,10,20, 21,32	6	12	4	120	40	30.628	3675	1225
Open	1,2,6,7,8,9, 11,12, 13 , 14,17, 18,19,24,2 6,27,28,29, 30	19	24	9	246	93	110.022 1	27065	10232
Non Forest	0	0	0	0	0	0	122.7686	0	0
Pipe Line area in Package No.21	0	0	0	0	0	0	1.062	0	0
Tunnel Area in Package No.22	0	0	0	0	0	0	4.1809	476	0
Total :		32	78	24	786	247	323.3667	54193	17694

The wildlife present in the surrounding forest areas as informed by the local staff are Bear, Neelgai, Pea fowl, Spotted Deer, Wild pig etc. However no wild life was spotted at the time of field inspection.

It is further submitted that, i have searched for alternatives, but there is no other alternative option available except the present proposal. This is the barest minimum area that is required for Construction of Reservoir, Pipe line and Tunnel pertaining to Kaleshwaram project in package 21 & 22 in Nizamabad Forest Division.

The forest area proposed for diversion is above 5.00 Ha and since there are around 71887 Nos (54193 Trees and 17694 Poles) trees & poles existing in 323.3667 Ha., the Compensatory Afforestation (CA) land and CA Scheme for this project shall be prepared and submitted by the DFOs concerned in Warangal (Urban), Siddipet, Rajanna (Siricilla), Jagityal, and Peddapally Districts in coordination with the User Agency as per the proposals.

- The User agency has submitted undertaking to pay the cost of extraction charges of tree growth, if any proposed to be felled in the area proposed for diversion as per the demand raised by the State Forest Department.
- The User agency has furnished under taking that the forest land proposed for diversion for the proposed project is the barest minimum area for the purpose for which it is proposed.

The User agency is requested to pay the following amounts for diversion of 323.3667 ha Forest land in Nizamabad Forest Division for the Net Present Value diverted as per the density class, extraction charges of tree growth in the proposed diverted area, for implementation of CAT plan as SMC measures and for the demarcation of the diverted area by way of construction of boundary pillars.

The details of payments to be made are as follows.

Rs in lakhs

Net Present Value (NPV)	439.282	The Net Present Value is adopted as per required for class - III, (Density > 0.4, Rs.8.03 lakhs/Ha vide F.No.5-3/2007-FC,dtd.05.02.2009. (Area diverted 54.7051 Ha * Rs.8.030 lakhs)
	1681.824	The Net Present Value is adopted as per fixation for class - III, (Open Forest < 0.4, Rs.6.26 lakhs/Ha vide F.No.5-3/2007-FC,dtd.05.02.2009. (Area diverted 268.662 Ha * Rs.6.26 lakhs)
Sub Total :	2121.106	
Extraction Charges	220.169	Felling and transportation of tree growth proposed in diverted Forest Land of 323.3667 Ha. (In Compartment Nos.140,144,147,149,150,151,157,148,417,467 & 743 in Badsli, Amrabad, Manchippa, Mudakpally , Kalpole (N) & Amsanpally Beats.
Catchment Area Treatment Plan	451.476	Catchment area treatment plan is proposed in Compartment Nos. 140, 144, 147,149,150,151, 157,148,417,467 & 743 in Badsli, Amrabad, Manchippa, Mudakpally , Kalpole (N) & Amsanpally Beats for soil and moisture conservation measures.
Construction of Boundary Pillars	10.000	969 Nos Boundary Pillars are Proposed around the Diverted Forest Area @ Rs.0.010 each Pillar.
Sub Total	681.645	
Grand Total :	2802.751	

2. Part-II Filled by the FDO,Nizamabad as follows :-

The area proposed for diversion is plain having tree growth of 71887 Nos (54193 Trees and 17694 Poles) trees & poles in 323.3667 Ha area. The area proposed for diversion is covered under Dense to medium dense forest (0.4 to 0.7) and also Scrub and Open Forest (<0.4). The vegetation found is, Teak, Ippa, Moduga, Gumpena, Vepa, Nallmaddi, Palakodcha, Morri, Danthi Chennangi, Kanuga, Jeedi etc.,

- There is no rare/endangered/unique species of flora and fauna found in the area proposed to be diverted.
- There is no protected archaeological/heritage site/defense establishment or any other important monument is located in the proposed area.
- The requirement of forest land, 323.3667 Ha in Nizamabad Division by user agency in the proposal is unavoidable and found minimum for this project.
- No work in violation of Act has been carried out.
- The proposal in the light of guidelines issued by Government of India under Scheduled Tribes and other Traditional Dwellers (Recognition of Forest Rights) Act 2006 vide Ir.No.11-9/1998- Fc (Pt) dt.03.08.2009 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 District Collector, Nizamabad furnished the RoFR certificate in Form-IOI for 323.3667 Ha., as per the requirement under the Forest Rights Act (FRA), 2006 and the same are enclosed herewith.

In view of the above, for Construction of Reservoir, Pipe line and Tunnel pertaining to Kaleshwaram Project in Package 21 & 22 in the Reserve Forest Areas of 323.3667 Ha of Nizamabad Forest Division are **Recommended.**

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

Encl: (6) Sets

Copy Submitted to the Chief Conservator of Forests, Nizamabad Circle, Nizamabad for favour of kind information and necessary action.

Yours faithfully

Sd/-
Forest Divisional Officer,
Nizamabad.

Sd/-
Forest Divisional Officer,
Nizamabad.

11 Feb 2017
f *Manager* *24/3/17*