

ବନଖଣ୍ଡ ଅଧିକାରୀଙ୍କ କାର୍ଯ୍ୟାଳୟ: ଦେବଗଡ଼ ବନଖଣ୍ଡ
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To

Memo No. 2476 / Dated:- 23/3/2020

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela.

Sub: -

Proposal for diversion of 30.630 ha. of forest land (30.221 ha. in Deogarh Forest Division and 0.409 ha. in Bonai Forest Division) for Construction of Kala Barrage Project across kala nallah at village kaliapal under Barkote Tahasil of Deogarh District. Proposal No. FP/OR/ IRRIG/43753/ 2020, State serial No. of proposal – OR-18/2020 dt. 01.02.2020.

A proposal for diversion of 30.630 ha. of forest land for construction of Barrage across kalla nallah at village kaliapal under river Brahmani basin is received from the PCCF (FD & NO, FC Act) is sent herewith in five sets for onward transmission to the Government of India through the Addl. Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, F.C. Act, Odisha Bhubaneswar for approval under Section-II of Forest (Conservation) Act, 1980 after due scrutiny at this level.

1- Brief Description.

The above project has got administrative approval vide letter no. 16560 dt. 29.04.2008. The proposal was received for diversion of **30.221 ha** of forest land in Deogarh Forest Division under Deogarh District for Kala Barrage Project in the State of Odisha. According to the proposal, the User Agency has applied for diversion of **9.641 ha.** of Reserved Forest land in Pangoli R.F., **7.355 ha.** in Paburi R.F., **13.225 ha.** of Revenue Forest area in Barkote Tahasil of Deogarh District. The project is covering two divisions viz. (i) Deogarh Division & (ii) Bonai Division.

The catchment area of the project is 185 sq km. The project has planned to irrigate 4050 ha. of C.C.A with 89% irrigation intensity during kharif. The Barrage is located at Latitude 21 34' 48''N and Longitude 85 4'00''E. The total estimated cost of the project is Rs.16,678.00 Lakhs. The project will generate direct employment for 1000 persons and indirect employment for 10,000 persons for 5 years.

The land schedule of the total forest area for Kala Barrage Project has been furnished as per check list

2- Map

The User Agency has furnished the following Maps.

Sl. No.	Particulars	Scale
1	Location Map on composed Topo Sheet of entire project.	1:50000
2	Index Map	1:12000
3	Bhitarabeda S1	1:3960
4	Kaliapal S1	1:3960

5	Kaliapal S2	1:3960
6	Talabahali	1:3960
7	Lalapasi S1	1:3960
8	Lalapasi S2	1:3960
9	Goppur	1:3960
10	Sindurpankh	1:3960
11	Bahadapasi S1	1:3960
12	Pangoli & Paburi RF	1:10000

3- Forest Land.

The Project involves **40.160ha.** land in total which includes **30.221 ha. of Forest land** & **9.939 ha. of Non-Forest land.** The breakup of the total land required for the above project has been furnished below in a tabular statement.

Forest Division	Forest Land Required in ha.					Non-Forest Land Required in ha.			Grand Total area in ha.
	RF	DPF/PRF	Revenue Forest	DLC Forest	Total Forest	Govt.	Pvt.	Total NF Land.	
Deogarh	16.996	0	13.225	0	30.221			9.939	40.160

4- Flora & Fauna.

The species which are commonly noticed in this area are Sal (Shorea robusta), Piasal (Pterocarpus marsupium), , Asan (Terminalia tomentosa), Kasi (Bridelia retusa), Kendu (Diospyros melanoxylon), Dhaura (Anogeissus latifolia), Sidha (Lagerstroemia parviflora), Jamun (Syzygium cumini), Kuruma (Ardinacordifolia), Kumbhar Chikini, Arjuna (Terminalia arjuna) and misc. species etc. Arjun & Sal are the prominent species.

Wild animals such as bear, wild pig, deer, sambar, kutra, python, porcupine etc. are noticed in the area.

5- Tree enumeration.

The total enumeration has been taken up over applied Forest area of **30.221 ha.** of forest land. 2064 nos. of trees above 30 cm girth have been enumerated over forest land. The abstract of trees enumeration list has been submitted in the proposal at page 134-198. The density of vegetation with Eco Value Class for different patches of forest land are as follows:-

- Pangoli RF 9.641 ha = **Eco Value Class III and density = 0.6**
- Paburi RF 7.355ha. = **Eco Value Class I and density = 0.6**
- Revenue Forest Barkote Tahasil 13.225 ha = **Eco Value Class III and density = 0.5**

Regarding enumeration of trees over non-Forest land, the User Agency has carried out the trees enumeration i.e. attached at page no. 199-202.

6- Compensatory afforestation.

Total **30.630 ha.** of forest land proposed to be diverted in Two Forest Division i.e. Deogarh & Bonai Forest Division. Compensatory Afforestation is required to be done over equivalent extent of Non-Forest land. Accordingly, Non forest Govt. land over **31.231 ha.** identified in 3 nos patches in Barkote Range of Deogarh Forest Division. The details of which are as follows:-

Sl	RI Circle	Mouza	Khata No.	Kissam	Plot No.	Patch No	Area as Per DGPS Survey (in Ha)
1	Gurusang (BarkoteTahasil)	Budhakhaman	105	Pahada	1371/2226	1	2.058
2					1371/2227	1	6.445
3					1371/2228	2	6.659
4					1398/2235	3	8.531
5					1398/2236	3	6.125
6					1398/2237	3	1.413
Total						3 no's patches	31.231

The project involves 30.630 ha of forest land both in Deogarh & Bonai Forest Division. Therefore, equivalent extent of Non-Forest land is required for Compensatory Afforestation. Accordingly, an extent of 31.231 ha of Non-Forest has been identified in village Budhakhaman under Barkote Tahasil of Deogarh District for raising compensatory Afforestation. Since there is some forest growth over the said Non-Forest land, it has proposed for ANR plantation @200 plant per hectare and thus, 6,246 plants can be accommodated there.

But as per guideline of the MoEF & CC, Govt. of India "the number of plants to be planted over CA land shall be 1000 plants/ ha. of the forest land diverted. If the requisite number of plants @1000 plants/ha. cannot be planted on the non-forest land identified for CA then the remaining number of plants can be planted in the degraded forest land and the User Agency will deposit the cost of plantation. The requisite number of seedlings for CA of the above project comes to 30,630 nos. out of which 6,246 nos of seedlings will be planted in the non-forest land and the balance number of seedlings i.e. 24,384 (30,630 (-) 6246) shall be planted in the degraded forest land. Further an area 65.00 ha. of degraded forest land has been identified inside Malayagiri RF of Khamar Range of Deogarh Division for Compensatory Afforestation with taking ANR plantation @400 per ha. Thus 32,246 nos. of seedling planted over 96.231 ha. (Non-Forest-31.231 ha. (+) Degraded Forest- 65.00 ha.).

A scheme for raising Compensatory Afforestation has been prepared and submitted with a cost of Rs.1,18,09,468/- (wage rate @ Rs.298.00 per MD).

The non-encroachment and non-encumbrance certificate issued by the Tahasildar, Barkote has been furnished in page no. 205. The suitability certificate is enclosed at page no 241.

7- Cost Benefit analysis.

The loss on forests including environmental loss, NPV cost and mandatory payments comes to Rs. Rs.6,57,26,755/- crore and Benefit comes to Rs. 80,33,09,468/- crores. Cost Benefit ratio is 1 :12.22.

8- Environmental Clearance.

The User Agency has furnished an undertaking that Environmental Clearance will be submitted after getting it from the State Pollution control Board, Bhubaneswar.

9- Violation.

There is no violation of Forest (Conservation) Act, 1980 since no work has been taken up in the applied area.

10- CAT Plan.

CAT Plan has been prepared at current wage rate of 298/- per MD for Rs 329.64 lakh which is enclosed at page no 242-286.

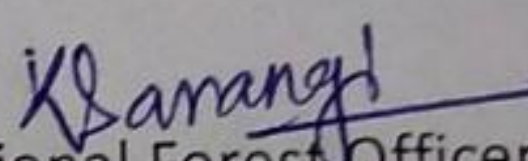
11- Certificate Under the FRA 2006.

The District Magistrate, Deogarh has issued Certificate under Forest Right Act'2006 over 27.259 ha of forest land over vide his office Letter no. 4962 dt. 8.11.2019. Further the User Agency has submitted an undertaking to submit the Certificate under F.R.A,2006 for remaining forest area of 2.962 ha enclosed at page no. 55.

12- Recommendation.

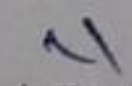
After examining the project proposal, it is seen that diversion of **30.221 ha.** of forest land in Deogarh Forest Division is essential for construction of Kala Barrage Project.

Hence, the diversion proposal is recommended which may be transmitted to proper quarters for approval under Section-2 of Forest (Conservation) Act, 1980.


Divisional Forest Officer,
Deogarh Division.

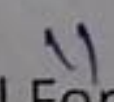
Memo No. _____/ Dated: -

Copy forwarded to the Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/O the P.C.C.F. Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer,
Deogarh Division.

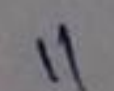
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Copy forwarded to the Collector & District Magistrate, Deogarh for favour of information and necessary action.


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Deogarh Division.

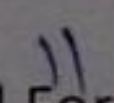
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Divisional Forest Officer,
Deogarh Division.

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Copy forwarded to the Executive Engineer, IB investigation Division, Sundargarh for information and necessary action.


Divisional Forest Officer,
Deogarh Division.