

OFFICE OF THE DIVISIONAL FOREST OFFICER,  
JHARSUGUDA FOREST DIVISION, JHARSUGUDA.

Memo No.                      /Dated                      -01-2016

To

The Regional Chief Conservator of Forests,  
Sambalpur.

Sub: Diversion of 14.53 ha forest land for construction of Aherajore Barrage Project at village Debadarha.

Ref: ***Proposal No.FP/OR/IRRIG/3364, dt.15.09.2015 &State SI No.OR-64/2015, dt.15.09.2015 received through online.***

Ref:

With reference to the above on the captioned subject, I am submitting herewith the proposals for diversion of 14.53 ha of forest land for construction Aherajore Barrage Project at village Debadarha in Jharsuguda district in five copies for onward transmission for obtaining approval of Central Government of India under Section-2 of Forest Conservation Act, 1980.

**1. Brief Description:**

Aherajore Nallah originates from the Hill Ranges of Garjan RF. It travels a distance of 22.5 Kms almost in south direction and finally confluences with Hirakud Reservoir near village Kureimal. The Project is located near village Debadarha under Lakhanpur Block in Jharsuguda district. It has been planned to irrigate 2220.0 ha of CCA with 100% irrigation intensity during Kharif for the drought prone area of Lakhanpur Block localities by Aherajore Project. The catchment area of the project is 133.40 Sq. K.60 m. The pond level of barrage is kept at RL 202.40 Mtr. The length of the barrage comes to 174.00 mtrs. The crest level of the barrage is kept at RD 199.60m. 11 bays of 12m x 2.90 m size radial gates shall be provided to pass the flood discharge. Under sluice of size 12 m x 4.1 m shall be provided to care of desiltation. The left and right main canal are proposed to take up through HR from the barrage with FSL at RD 201.50 m to provide irrigation to an area of 2220.0 ha in Khariff. The barrage is located at latitude 21°47'42" North and longitude 83°39'04" East.

**2. Map.**

The User Agency i.e. Executive Engineer, Sundargarh IB Investigation Division have enclosed the following maps.

SL No.	Particulars	Scale	Plate No.
1	Toposheet No.F44R/9 showing location of Aherajore Barrage Project	1: 50,000	1(A)

2	Village sheet No.2 of Debdarha village	16'' = 1 mile	1(B)
3	Village sheet No.2 of Chhuinkanch village	16'' = 1 mile	2
4	Village sheet No.2 of Sukhadihi village	16'' = 1 mile	3
5	Village sheet No.3 of Sukhadihi village	16'' = 1 mile	4
6	Village sheet No.1 of Telen village	16'' = 1 mile	5
7	Village sheet No.2 of Bausenpali village	16'' = 1 mile	6
8	Village sheet No.1 of Bijapali village	16'' = 1 mile	7
9	Village sheet No.1 of Mahasing village	16'' = 1 mile	8
10	Village sheet No.1 of Kuremal village	16'' = 1 mile	9
11	Village sheet No.1 of Samarbaga village	16'' = 1 mile	10
12	Village sheet No.2 of Samarbaga village	16'' = 1 mile	11
13	Village sheet No. 1 of Gobindpur village	16'' = 1 mile	12
14	Village sheet No.2 of Gobindpur village	16'' = 1 mile	13
15	Village sheet No.1 of Bhaunrachaka village	16'' = 1 mile	14
16	Village sheet No.1 of Sagarpali village	16'' = 1 mile	15
17	DGPS Survey Plan by ORSAC	1:4,000	16
18	Map of showing the area of Compensatory Afforestation (Parmanpur village sheet No.1 & 2)	16'' = 1 mile	Enclosed with CA scheme ( <b>Plate No.17 &amp; 18</b> )
19	DGPS Survey Plan of Compensatory Afforestation by ORSAC		17 & 18
	Toposheet No. F45 M1 Showing the CA Area		19

### 3. Forest land.

In total, the project involves 14.53 ha of revenue forest & Reserved forest, the details are as follows:

Name of Division	Name of Village	Kissam	Forest Area in ha
Jharsuguda Forest Division	Debdarha	Jungle+Japti Jungle	3.8
	Chhuinkanch	Patra Jungle	0.21
	Sukhadihi	Bad Jungle+Patra Jungle	4.31
	Telen	Gramya Jungle	0.83
	Bausenpali	Patra Jungle	0.42
	Bijapali	Gramya Jungle	0.02
	Mahasing	Gramya Jungle	0.62
	Kuremal	Gramya Jungle	0.42
	Samarbaga	Gramya Jungle+ Sabik Kissam Forest	2.29
	Gobindpur	Bad Jungle + DLC Forest	0.67
	Bhaunrachaka	Gramya Jungle	0.21
	Sagarpali	Gramya Jungle+ Sabik Kissam Forest	0.47
	Budhapahad	Reserved Forest	0.26
	<b>Total</b>		<b>14.53</b>

#### **4. Flora and Fauna.**

Tree species which are commonly noticed in the proposed area are like Arjun ((Terminalia arjuna), Asan (Terminalia tomentosa), Bahad (Terminalia bellerics), Bel (Aegle marmelos), Char (Buchanaia lanzan), Dhuben (Dalbergia paniculata), Gambhari (Gmelina arborea), Harida (Terminalia chebula), Jamu (Syzygium cumini), Kendu (Diospyros melanoxylon), Kumbhi (Cereya arborea), Kusum(Schleichera oleosa), Mahul (Madhuca indica), Mango(Mangifera indica), Bhersunga(Murraya koenigii), Mai (Lannea coromondelica), Neem Azadirachta india), Padel(Sterospermum suaveolens), Palas(Butea monosperma), Pikurei(Wrightia tomentosa), Rohini (Soymida febrifuga), Sidha (Legerstroemia parviflora)Simili((Bombax ceiba), Teak (Tectona grandis), Tentuli(Tamarindus indica), etc. The fauna noticed in the area like Indian bull frog, frog, water skipper, monitor lizard, common cobra, , rabbit, Mongoose etc are seen in the forest land proposed for diversion but their population is very thin. Birds like common doves, mynas, Jungle crow, Indian cuckoo, owl, parrots, etc are seen.

#### **5.Trees enumeration**

Plot wise tree enumeration has been carried out in the Forest area applied for diversion. The details enumeration list (642 nos trees) has been annexed separately with the proposal as **Annexure-12I** . The density of vegetation of Revenue Forest Area & Reserved Forest Area in Jharsuguda Forest Division is Below 40% of Eco-Class-III.

#### **6. Compensatory Afforestation:**

As per Para 3.2 (I) of the guidelines of Forest Conservation Act, 1980 Compensatory Afforestation shall be done over equivalent area of non-forest land. As a State Sector Project 14.57 ha of non-forest Govt. land has been identified over Plot No. 37, 50, 51, 53 of Khata No.265 against 14.53 ha area proposed for diversion by the Tahasildar, Kolabira as per order of Collector, Jharsuguda in Parmanpur Village of Kolabira Range under Kolabira Tahasil in Jharsuguda district against the forest area to be diverted in case of Aherajore Barrage. The CA scheme has been prepared with an estimated cost of **Rs. 14,28,470.00** and provided as **Annexure- 15** with the proposal.

#### **7. Catchment Area Treatment:**

The User Agency has prepared the catchment area treatment plan. The copy of the same is enclosed with the proposal as **Annexure-18**.

#### **8. Resettlement and Rehabilitation.**

The proposal does not warrant any displacement of human-being and hence, Rehabilitation & Resettlement Plan is not required.

#### **9. Cost Benefit analysis.**

The cost benefit analysis is not required for this project as it is below 20 ha of forest land.

#### 10. Environmental Clearance.

Environmental clearance is not required for this project.

#### 11. Wildlife Management Plan.

Aherajore Barrage Project is not falling within any eco-sensitive zone, national park or sanctuary in Jharsuguda Forest Division. But occasional movement of wild elephant, leopard is noticed in the locality.

#### 12. Compliance of Schedule Tribe & Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006.

The certificate under Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 has not been issued by the Collector, Jharsuguda. As per guideline, The Collector will forward his findings in the format specified to the concerned Conservator of Forests i.e. Regional Chief Conservator of Forests.

#### 13. Deposit of NPV.

The User Agency has given an undertaking to pay the NPV of the forest land proposed to be diverted annexed as **Annexure-11**.

#### 14. Violation.

No violation has been noticed.

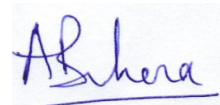
#### 15. Others.

- i) Site inspection report of DFO, Jharsuguda Forest Division is enclosed.
- ii) Part-II is enclosed.

#### 16. Recommendation:

Keeping in view of the above discussion, 14.53 ha of Forest land for construction of Aherajore Barrage Project at village Debdarha is recommended for diversion in favour of Executive Engineer, IB Investigation Division, Sundargarh under FC Act.

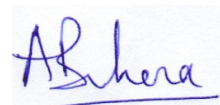
Encl: 5 sets of proposal.



Divisional Forest Officer  
Jharsuguda Forest Division

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Copy forwarded to the Addl. Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act, O/O the PCCF, Odisha for favour of kind information and necessary action with reference to **Proposal No.FP/OR/IRRIG/3364, dt.15.09.2015, State SI No.OR-64/2015, dt.15.09.2015.**



Divisional Forest Officer  
Jharsuguda Forest Division

