

**OFFICE OF THE DIVISIONAL FOREST OFFICER,  
BARGARH FOREST DIVISION, BARGARH.**

Memo No. 781 / 4 F – (Misc.),  
Dated, Bargarh the 11 th, February, 2016.

To

The Regional Chief Conservator of Forests,  
Sambalpur.

Sub: Diversion of 5.391ha forest land for construction of Jeera Irrigation Project at village Duanpali.

Ref: *Proposal No. FP/OR/IRRIG/13439/2015, dt.19.09.2015 & State SI No.OR-66/2015, dt.19.09.2015 received through online.*

With reference to the above on the captioned subject, I am submitting herewith the proposals for diversion of 5.391 ha of forest land for construction Jeera Irrigation Project at village Duanpali in Bargarh 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:**

Jeera Irrigation Project is a reservoir project proposed in Mahanadi basin on Jeera River, a tributary to Mahanadi River at Duanpali operated by Executive Engineer, Padampur Investigation Division, Padampur over an area of 5.391 ha forest land. The project envisages construction of 1958 met. Long Homogeneous Rolled Earth Fill dam, besides a spillway of length 72 mt. proposed at the central portion of the dam axis. This medium irrigation project will provide irrigation facility to 6000.0 ha of GCA and 4800 ha of CCA with annual irrigation of 5840 ha in a drought prone area. The total catchment area of the proposed project at dam site is 187 Sq. Km. The catchment area of Jeera Dam in Chhatisgarh is 99 Sq. Km and in Odisha it is about 88 Sq. Km. As per Inter-State agreement between Odisha and Chhatisgarh, Odisha will get yield from 14.25 Sq. mile (36.90 Sq. Km) of Chhatisgarh catchment. So free catchment available for Jeera Project is 124.90 Sq. Km. It is fan shaped and is surrounded by steep hills and covered with degraded forest growth.

The Project is located in Bhatli Block of Bargarh District near village Duanpali at Latitude 21° ' 23" 11" N and Longitudes 83° 26' 13" E vide Survey of India Topo Sheet No.64 O/7 & 64 O/11.



## 2. Map.

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

SL No.	Particulars	Scale	Plate No.
1	Toposheet No.F 44R/7 showing location of Jeera Irrigation Project	1: 50,000	1 No.
2	Index Map showing Forest land to be diverted of Jeera Irrigation Project	1:20:000	1 No.
3	Village sheet No.19 of Bartunda village	16" = 1 mile	1 No.
4	Village sheet No.1 of Beherapali village	16" = 1 mile	1 No.
5	Village sheet No.3 of Bichhua village	16" = 1 mile	1 No.
6	Village sheet No.2 of Damapali village	16" = 1 mile	1 No.
7	Village sheet No.1,2& 3 of Duanpali village	16" = 1 mile	3 Nos.
8	Village sheet No.1 & 2 of Hatisara village	16" = 1 mile	2 Nos.
9	Village sheet No.1 &2 of Jamchhapar village	16" = 1 mile	2 Nos.
10	Village sheet No.1 & 2 of Jhankarpali village	16" = 1 mile	2 Nos.
11	Village sheet No.1, 2 & 3 of Karandoll village	16" = 1 mile	3 Nos,
12	Village sheet No.1 & 3 of Kharmora village	16" = 1 mile	2Nos.
13	Village sheet No.1 of Pipalkhunti village	16" = 1 mile	1 No.
14	Village sheet No. 2 & 4 of Sarkanda village	16" = 1 mile	2 Nos.
15	Village sheet No.1 & 2 of Urduna village	16" = 1 mile	2 Nos.
16	DGPS Survey Plan by ORSAC( Plate No.1,2,3,4,5,6, 7,8 & 9 )	1:3,960	9 Nos.
17	Map of showing the area of Compensatory Afforestation ( Jamachhapar village sheet No.2) alongwith DGPS Survey Plan of Compensatory Afforestation by ORSAC	16" = 1 mile & 1:3,960	1 No.
18	GPS Survey Coordinates and Boundary of Compensatory Afforestation by Spatial Planning and Analysis Research Centre PVT.Bhubaneswar	1:3,960	1 No.
19	Toposheet No. F44 R7 Showing the CA Area	1:50:000	1 No.



### 3. Forest land.

In total, the project involves 5.391 ha of revenue forest (Gramya Jungle), the details are as follows:

Name of Division	Name of Range	Name of Village	Kissam	Forest Area in ha
Bargarh Forest Division	Bhatli	Urduna	Gramya Jungle(DLC Forest)	0.008
		Kharamora	Gramya Jungle	0.113
		Hatisar	Gramya Jungle(DLC Forest)	0.745
	Ghess	Duanpali	Gramya Jungle(DLC Forest)	0.320
		Karandola	Gramya Jungle+ DLC Forest	3.881
		Pipalkhunta	Gramya Jungle	0.324
	Total			5.391

### 4. Flora and Fauna.

Tree species which are commonly noticed in the proposed area are like Sal ( Shorea robusta, Babul( Acacia Arabica), Akasia(Acacia Aurivuleformis), Bel (Aegle marmelos), Siris (Alblzia lebbeck), Tentra (Alblzia procera, Dhaura( Anogeissus Latifolia),Kanchana (Bauhinla Variegata,Arakh( Caloteopld Procera) Sunari( Cassia fistula) Ficus(Cassia Siamea, Jhaun( Casuarinas equisetifolia) Mango(Mangifera indica),Karanj (Pongamla pinnata), Debberu (Polyalthia longifolia) Anla( (Emblica officinalls,Pipal(Ficus relislosa),Tentuli( Tamarindus Jujube)Jack Fruit (Auto carpus), Neem (Azadirachta india), Bamboo (Salia) (Sdindracalamus strictus),Bamboo (Dhaba) (Bambusa arundinalea) Mahul (Madhuca indica), Arjun (Terminalia arjuna), Jamu (Syzygium cumini), Asan (Terminalia tomentosa), Bahad (Terminalia bellerics), Harida (Terminalia chebula),Jamun(Syzygium cumini) P.Sisoo( Dalbergia Sissoo), Karda( Cleistanthus collinus) Kusum(Schleichera oleosa), etc.), The fauna noticed in the area like Common frog, water Snake, King cobra, rabbit, Mongoose, Squirrel, Sambar Fox, Jungle cat, Pig, etc are seen in the forest land proposed for diversion but their population is very thin. Birds like common Crow, Pigeon, Common Myna, Owl, Parrot, Peacock ,doves, Indian cuckoo, 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 (29 nos trees) has been annexed separately with the proposal as *Annexure-14* . The density of vegetation of Revenue Forest Area in Bargarh Forest Division is Below 40% i.e. 0.4 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 5.391 ha of non-forest Govt. land has been identified over Plot No. 1166/1962(P) of Khata No.146 against 5.391 ha area proposed for diversion by the Tahasildar, Sohela as per order of Collector, Bargarh in Jamachhapar Village of Ghess Range under Sohela Tahasil in Bargarh District against the forest area to be diverted in case of Jeera Irrigation Project. The CA scheme has been prepared with an estimated cost of **Rs.5,83,522.00** and provided as *Annexure- 17* 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-20*.

#### **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.**

Jeera Irrigation Project is not falling within any eco-sensitive zone, national park or sanctuary in Bargarh Forest Division.

#### **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, Bargarh. 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-13*.

### 14. Violation.

No violation has been noticed.

### 15. Others.

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

### 16. Recommendation:

Keeping in view of the above discussion, 5.391 ha of Forest land for construction of Jeera Irrigation Project at village Duanpali is recommended for diversion in favour of Executive Engineer, Padampur Investigation Division, Padampur.

Encl: 5 sets of proposal.

*Sd/-*  
Divisional Forest Officer  
Bargarh Forest Division

Memo No. *722* /Dated *11*. .02.2016

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/13439/2015, dt.19.09.2015 & State SI No.OR-66/2015, dt.19.09.2015.

*11/2/16*  
Divisional Forest Officer  
Bargarh Forest Division

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