



सत्यमेव जयते

भारत सरकार / GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीय कार्यालय, भोपाल/ REGIONAL OFFICE, BHOPAL
Kendriya Paryavaran Bhavan, Link Road No.3, E-5, Ravi Shankar Nagar,
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File No. 6-MPA010/2023-BHO/312

Dated : 16 /04/2024.

To,

The Additional Director General of Forests (FC)
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi - 110 003.

Sub: Site Inspection for diversion of 349.00 ha forest land for the Construction of Sanghata (AER) Medium Irrigation Project by the Water Resource Division under Shivpuri District of Madhya Pradesh State. (*Online proposal No. - FP/MP/IRRIG/32935/2018*)-reg.

Ref: MoEF&CC, (FC Division), New Delhi letter No 8-01/2022-FC dated 26 December, 2023.

Sir,

With respect to the subject and reference cited above, the Site Inspection Report of Regional Office, Bhopal in respect of 349.00 ha forest land for the Construction of Sanghata (AER) Medium Irrigation Project by the Water Resource Division under Shivpuri District in Madhya Pradesh is submitted herewith for further necessary action.

Yours faithfully

Encl : As above.

(A.K. Sinha)

Dy. Director General of Forests (C)

Copy to:

Shri Suneet Bhardwas, AIGF, Ministry of Environment, Forest & Climate Change (FC Division), Indira Paryavaran Bhawan, Jor Bag Road, Aliganj, New Delhi.

Field Inspection Report of A.K. Sinha, IFS, DDGF (C), RO Bhopal

Ref: MoEF&CC, (FC Division) letter No 8-01/2022-FC dated 26 December, 2023

Date of Inspection: 20/03/2024.

Officers present at the time of inspection:-

1. A. K. Sinha, Dy. Director General of Forest (C), Regional Office, MoEF&CC, Bhopal.
2. Shri Shudhanshu Yadav - DFO, Shivpuri
3. Shri Manoj kumar Singh - SDO Forest
4. Shri Anurag Tiwari - FRO, Pichora
5. Shri Narendra Bidua - FBO, Dhamdoli
6. Shri Girjesh Bhargava - FBO, Kumraua

Title of the Project:		Diversion of 349.00 ha forest land for the Construction of Sanghata (AER) Medium Irrigation Project by the Water Resource Division under Shivpuri District of Madhya Pradesh State.			
		Online Proposal No. FP/MP/IRRIG/32935/2018			
1.	Legal status of the forest land proposed for diversion:	Forest Division	Protected Forest (Ha)	Reserved Forest (Ha)	Total (in Ha)
		Shivpuri	142.00	207.00	349.00
2.	Item-wise break-up details of the forest land proposed for diversion:	Component wise details are as follows:			
		No.	Component	Forest Area Involved (in Ha)	
		1	Submergence area	346.35	
		2	Pump house/Intake well	1.48	
		3	Hose tank	0.17	
		4	Canal	0.75	
		5	Siddle Dam	0.25	
			TOTAL	349.00	
3.	Whether proposal involves any construction of	Pump house-01			

	buildings (including residential) or not. If yes, details thereof:																																									
4.	Total cost of the Project at present rates:	15823.21 lakhs (as per online Part-I)																																								
5.	Wildlife:	Golden jackal, Hyena, Hanuman lagoor, Nilgai, Chital, Crocodile, etc.																																								
6.	Vegetation:	ECO Class - 3 and Crown Density- 0.1 to 0.5 The main species present in the area are as follows: - I. <i>Acacia Catechu</i> II. <i>Anogeissus pendula</i> III. <i>Butea monsperma</i> IV. <i>Diospyros melanoxylon</i> V. <i>Anogeissus latifolia</i> VI. <i>Other Species</i>																																								
7.	Background note on the proposal:	The project is on river Aer which is a seasonal river having very little flow in the lean season. The main objective of the project is irrigation through lift irrigation system. The ayacut is 4630.00 ha. The area is mostly dry with low annual rainfall and hence the project would benefit the local farmers in Agriculture thereby raising their economic status.																																								
8.	Compensatory Afforestation:	<p>Non Forest Land</p> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>District/ Division</th> <th>Village</th> <th>Khasra No.</th> <th>Proposed Area (Ha.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Shivpuri</td> <td>Dogri</td> <td>197</td> <td>54.64</td> </tr> <tr> <td>2</td> <td>Shivpuri</td> <td>jhiraniya</td> <td>40/2</td> <td>80.06</td> </tr> <tr> <td>3</td> <td>Shivpuri</td> <td>jhiraniya</td> <td>2, 5, 6</td> <td>108</td> </tr> <tr> <td>4</td> <td>Shivpuri</td> <td>jhiraniya</td> <td>41</td> <td>119.924</td> </tr> <tr> <td colspan="4">Total</td> <td>362.624</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>District/ Division</th> <th>Range</th> <th>Comp. no.</th> <th>Proposed Area (Ha.)</th> </tr> </thead> <tbody> <tr> <td colspan="5">Degraded Forest Land</td> </tr> </tbody> </table>	Sl.No	District/ Division	Village	Khasra No.	Proposed Area (Ha.)	1	Shivpuri	Dogri	197	54.64	2	Shivpuri	jhiraniya	40/2	80.06	3	Shivpuri	jhiraniya	2, 5, 6	108	4	Shivpuri	jhiraniya	41	119.924	Total				362.624	Sl.No	District/ Division	Range	Comp. no.	Proposed Area (Ha.)	Degraded Forest Land				
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		1	Shivpuri	Pohari	PF-815	65.00
		2	Shivpuri	Pohari	PF-759	45
		3	Shivpuri	Satanwara	RF-478	66.624
		4	Shivpuri	Satanwara	PF-936	50.00
		Total				226.624
9.	Whether proposal involves violation of Forest (Conservation) Act, 1980 or not. If yes, a detailed report on violation including action Taken against the concerned officials:	No				
10.	Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not:	No				
11.	Reclamation Plan: (If applicable, submit details and Financial allocation:	Not Applicable.				
12.	Details on catchment and command area under the project:	Command area: 4630.00 ha Catchment area: 38100 ha				
13.	Cost benefit ratio:	1:1.10				
14.	Recommendations of the Principal Chief Conservator of Forests/State Government:	The proposal is recommended by PCCF (LM) and State Govt. in Part-IV and Part-V.				
15.	Utility of the Project:	The project is on river Aer which is a seasonal river having very little flow in the lean season. The main objective of the project is irrigation through lift irrigation system. The ayacut is				

		4630.00 ha. The area is mostly dry with low annual rainfall and hence the project would benefit the local farmers in Agriculture thereby raising their economic status. The impounded water would help recharge of groundwater in the surrounding area and also boost fish production, thereby boosting the local economy of the area. The water would also be utilized in supply of drinking water to the surrounding villagers.
16.	Whether land being diverted has any socio cultural/religious value:	No
17.	Situation w.r.t. Any P.A.	It is at 19.40 km from the nearest Protected area i.e. Madhav National Park.
18.	Any other information relating to the Project:	-
19.	Specific comments/ observation of inspecting officer	

Specific comments/ observation of inspecting officer

INSPECTION OF PROPOSED AREA FOR DIVERSION

Proposed diversion area: 349.00 ha

Range- Pichora, Beat- Dhamdoli, Comp. - RF-207

Range-Karera, Beat- Kumraua, Comp. -PF-142

The project is situated at river Aer which is a seasonal river with very little flow during lean season. As rainfall in the area is low, the agriculture in the region is limited to single crop. So, with a view to utilize the river water and with an objective to enhance agricultural productivity in the region, the project has been conceptualized. The earthen Dam with concrete spillway is proposed between two hillocks on the river Aer. On the right side of the Dam it is attached to Pichora and on the left side it is attached to Karera range.

The proposed Dam is situated mostly in outside the forest area except 0.25 ha. Most of the proposed diversion area i.e. 346.35 ha would be coming under submergence. These areas are mostly on the foothills of the hillocks on either side of the river. The vegetation found in the area as given column no. 06. The density of the proposed diversion area is ranging from 0.1 to 0.5. Most of the area is open forest with around 0.3 density due to heavy biotic pressure. The wildlife in the area is as given column no. 05. It was informed that a number of Crocodiles are inhabiting the river.

The complete tree enumeration was done of the proposed diversion area under submergence in the year 2020 and total number of trees enumerated were 3204. The water from the river would be lifted by pumps and supplied to command area through underground pipeline. Therefore, for establishing pump house 1.48 ha, for laying underground pipeline 0.75 ha and for Hose tank 0.17 ha, diversion of forest land has been proposed. There is no habitation in the proposed diversion area, hence there is no rehabilitation proposal.

INSPECTION OF CA AREAS

Officers present:

1. A. K. Sinha, Dy. Director General of Forest (C), Regional Office, MoEF&CC, Bhopal.
2. Shri, Rajesh Nimama - FRO, Satanwada
3. Shri, Nadan Raikwar -Dy. Range Officer, Bamari
4. Shri Manish Sharma - Forest Beat Officer, Dongri

District/ Division: Shivpuri, Range- Satanwara, Beat/Village - Dongri, Area: 54.64 ha, Khasra no. -197

The area is relatively plain with good soil and moderate depth. The area is infested with lantana weed. The vegetation in the area comprises of mainly *Acacia catechu*, *Diasporus melanoxyton*, *Azadirachta indica*, *Butea monosperma*, etc. The wildlife in the area mainly comprise of Nilgai, Spotted deer, Hyena, occasional movement of Leopards, Hares, etc. There is no encroachment in the proposed area. It is suggested to take up soil and moisture conservation works like staggered contour trenching, Percolation tank, etc. Due to existing root stock and sporadic rock outcrops, the plantation can be taken up at the rate of 600 plants per ha. The rest of the plants have to be planted in RDF. The DFO shall prepare CA scheme for the same and upload along with KML file on Parivesh portal.

The area is suitable for raising CA with strong protection structures all around. The Plantation should be taken up with the local species such as *Azadirachta indica*, *Holoptelia integrifolia*, *Dalbergia sissoo*, *Pithecellobium dulce*, *Feronia elephantum*, *Gmelina arborea*, *Terminalia bellirica*, *Acacia catechu*, *Ficus religiosa*, *Ficus benghalensis*, *Ficus racemosa*, *Tectona grandis*, etc.

District/ Division: Shivpuri, Range- Satanwara, Beat/Village - Jhirniya, Area: 119.924 ha, Khasra no. -41

The area is adjacent to the proposed CA area as mentioned above in Khasra no. 197. Therefore, the area is similar in nature infested heavily with lantana weed. The vegetation and wildlife in the area is also similar to the proposed CA mentioned above. There is no encroachment in the proposed area. It is suggested to take up soil and moisture conservation works like staggered contour trenching, Percolation tank, etc. Due to existing root stock and sporadic rock outcrops, the plantation can be taken up at the rate of 600 plants per ha. The rest of the plants have to be planted in RDF. The DFO shall prepare CA scheme for the same and upload along with KML file on Parivesh portal.

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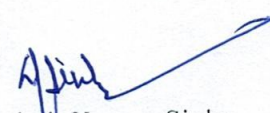
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District/ Division: Shivpuri, Range- Satanwara, Beat /Village - Jhirniya, Area: 80.06 ha, Khasra no. -40/2

The area is adjacent to the proposed CA area as mentioned above in Khasra no. 197. Therefore, the area is similar in nature infested heavily with lantana weed. The vegetation and wildlife in the area is also similar to the proposed CA mentioned above. There is no encroachment in the proposed area. It is suggested to take up soil and moisture conservation works like staggered contour trenching, Percolation tank, etc. Due to existing root stock and sporadic rock outcrops, the plantation can be taken up at the rate of 600 plants per ha. The rest of the plants have to be planted in RDF. The DFO shall prepare CA scheme for the same and upload along with KML file on Parivesh portal.

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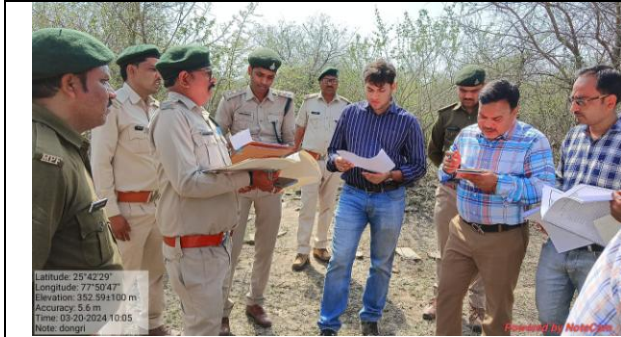
20	Recommendations Of Regional Deputy Director General of Forests (C) along with detailed reasons:	The project is recommended for approval subject to the compliances of the observations made in the inspection note.
21.	Regional Head shall give detailed comments on whether there are any alternatives routes/alignments for locating the project on the non-forest land:	Not Applicable.


Ashok Kumar Sinha
Dy. Director General of Forests (C)
Regional Office, Bhopal

FIELD INSPECTION PHOTOGRAPHS



Diversion Area



CA Area