

13

OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS SAMBALPUR

Memo No. 1494 /3F-Misc- 57 /2017

Dated, Sambalpur the 5 th, May, 2017.

To,

The Addl. Principal Chief Conservator of Forests
(Forest Diversion & Nodal Officer, F.C Act)
O/o the Principal Chief Conservator of Forests,
Odisha, Bhubaneswar.

Sub: Proposal for diversion of 9.441 ha of forest land in Lamdungri RF for construction of Additional Spillway of Hirakud Dam Project, Burla in the District of Sambalpur in the State of Odisha. Online proposal No.FP/OR/Irrgn/2016 dt.06.12.2016.

With reference to the aforesaid subject, the proposal for diversion of 9.441 ha of forest land in Lamdungri RF for construction of Additional Spillway of Hirakud Dam Project, Burla as received from the Divisional Forest Officer, Sambalpur Division vide his memo No.1753 dt.11.04.2017 is sent herewith in quadruplicate along with CDs for consideration & onward transmission for obtaining approval of Government of India under Section-2 of Forest Conservation Act, 1980.

(1) Brief Description:- Hirakud Dam is a composite dam of earth, concrete and masonry. The main Dam has overall length of about 4.8 K.M and it spans between two hillocks of Lamdungri on the left and Chandlidungri on the right. There are two spillways in the main Dam on the left and right sides, located on the two channels of the main river. The dam is flanked by two earthen dykes on the left and right side with a combined length of about 21 K.M which is close the low saddles. It is the longest dam in Asia having total length of 25.8 K.M (Dam and Dykes taken together). It is also one of the longest artificial lakes of Asia with spreading of reservoir to the extent of 743 Sqr K.M.

The proposal for diversion of 9.441 ha of forest land and non-forest area of 49.022 ha totalling to 58.463 ha of total area has been sent as it is required for construction of Additional Spillway of Hirakud Dam in the left Dyke of the Dam near Gandhi hillock to avoid flood water in the Dam site.

The construction of Additional Spillway in the left side of the Dam requires diversion of 9.441 ha of forest land in Lamdungri RF and also requires Non-forest area of 49.022 ha comprising the plots under Tangarpali village having 12.855 ha and plots under Jamada village having area of 36.167 which are under the possession of Irrigation Department. Looking at the size of the reservoir, the importance of this Dam and large settlements in the down streams areas, it is very much essential to provide for management of the additional flood discharge by passing part of it through additional spillway and absorbing

a part of it in the reservoir. This will also provide a protection against any major catastrophe by preventing overtopping of the dam and its consequent failure.

The Govt. of Odisha has taken decision to carry out left side of the Dam with an additional Spillway towards Gandhi Minar to avoid flood water in the downstream.

The additional spillway in the left dyke proposed with gates having higher height of 22 mtr., to avoid soil erosion in Gandhi Hillock.

(2)Map:- The user Agency has submitted the following maps.

1. Map showing the entire area of additional Spillway project in SOI Topo sheet on 1:50,000 scale alongwith the Forest boundary.
2. Topo map on 1:50,000 scale showing buffer zone of 10 K.M radius.
3. Topo map on 1:50,000 scale showing part buffer zone of 10 K.M radius on SOI Topo sheet No.F 44 R14 & 15.
4. Composit map on cadastral sheet in 1:40,000 scale showing total layout of the Additional Spillway project.
5. Boundary line of the Reserved Forest area involved in Additional Spillway project in Cadestral sheet showing DGPS survey points of Lamdungri R.F.
6. Map showing DGPS survey co-ordinates and boundary of Lamdungri R.F on 1.3960 scale vetted by ORSAC.

(3) Forest land:- The legal status of the Forest land with area proposed for diversion in respect of construction of Additional Spillway of Hirakud Dam Project, Burla under the jurisdiction of Sambalpur Division is as under:-

Forest Division	Forest area proposed for diversion	Legal status of forest area
Sambalpur Forest Division	9.441 Ha.	Reserved Forest (Lamdungri RF)

(4) Flora and Fauna:- As per the site inspection report, the tree species existing in the applied area for diversion under Sambalpur Forest Division are Neem (*Azadirachta indica*), Chakunda (*Cassia siamea*), Teak (*Tectona grandis*), Sisoo (*Dalbergia sissoo*), Kusum (*Adina cordifolia*). No rare or endangered flora and fauna has been noticed in the applied area.

(5) Wildlife Management:- The area does not form a park of National Park/Wildlife Sanctuary/Elephant Corridor. A good number of Herpeto fauna like Snakes, Calotes, Varanus, Monitor Lizards and Terrestrial Avi Fauna and Small Mammals like Mongoose, Hare, Langoors etc. however are seen. The project component should take appropriate measures so as not to harm the faunal species available in Lamdungri R.F.

(6) Tree enumeration:- 115 nos of trees of different species and sizes will be required to be felled in the proposed project for which necessary marking of tree has been completed.

No tree enumeration has been taken up in Non-forest Govt. land over 49.022 ha which is under the control of Irrigation Department as shown in the Check list serial No.08 of the diversion proposal.

The density of forest growth in the applied area is less than 0.1 Eco class III.

(7) Compensatory Afforestation:- Non-forest area of 9.441 ha bearing khata No.1/1 of plot No.1292 having kissam Ghasapadia in village Kello under Bonai Division has been identified for Compensatory Afforestation in a single compact patch. In the scheme it has been proposed to take up Block Plantation over 7.453 ha. @ 1600 plats/Ha, at a spacing of 2.5 meter x 2.5 meter and ANR plantation over 1.958 ha in ANR mode @ 200 plants/Ha. totalling to 9.411 ha. in place of the identified area of 9.441 ha giving rise to less area of 0.030 ha. The estimated cost has been calculated to Rs.22,76,000/- as per the scheme showing less area of 0.030 ha. The user Agency has furnished an undertaking to bear the cost of compensatory Afforestation as per the approved scheme.

(8) Environment Clearance:- No environmental clearance is applicable in this case.

(9) Resettlement & Resubmission:- The project affected persons will be provided Rehabilitation and Resettlement as per the 2006 policy of Govt. of Odisha and as per undertaking given by the user Agency.

(10) Cost benefit analysis:- The user Agency has submitted the cost benefit analysis vide page No. 83 of Index list S.L No.29.

(11) Deposit on NPV:- The proposal involves diversion of forest land to the extent of 9.441 ha. Accordingly the user Agency has furnished an undertaking stating that NPV as would be demanded by Forest Department will be paid. Further they would pay the additional NPV if any as would be imposed by Govt.

(12) Rehabilitation and Resettlement :- The user Agency has submitted an undertaking stating that the project affected persons will be provided Rehabilitation and Resettlement as per the policy of 2006 of Govt. of Odisha.

(13) Compliance of Forest Right Act :- Forest land of 9.441 ha is proposed for diversion in Lamdungri RF for construction of Addl. Spillway of Hirakud Dam under the jurisdiction of Sambalpur Forest Division in Sambalpur District. The District Collector-Cum-Chairman DLC (FRA) Sambalpur has furnished FRA compliance pertaining to forest land of the Additional Spillway alignment coming within his jurisdiction, in the format prescribed by MoEF & CC, Govt. of India, enclosed in the diversion proposal vide item No.14 of checklist.


(14) Violation:- No violation under Forest (Conservation) Act 1980 has been resorted to in the project.

(15) Justification of the project over the forest land:- The diversion of forest land has been necessitated for construction of Additional Spillway of Hirakud Dam in the proposed diversion of forest land in Lamdungri RF to avoid flood water in downstream. The additional Spillway in the left dyke proposed with gates having higher height can avoid soil erosion in Gandhi Hillock and it will also provide a protection to the Hirakud Dam in the event of any disaster.

Recommendation:-


The proposal for diversion of 9.441 ha of forest land in Lamdungri RF of Sambalpur Division for construction of Additional Spillway of Hirakud Dam Project, Burla is recommended.

Encl:- As above.


Addl. Principal Chief Conservator of Forests,
I/c Regional Chief Conservator of Forests.
Sambalpur

Memo No. 1495 Dated - 05.05.17

Copy forwarded to the Divisional Forest Officer, Sambalpur Division for information & necessary action with reference to his memo No.1753 dt.11.04.2017.


Addl. Principal Chief Conservator of Forests,
I/c Regional Chief Conservator of Forests.
Sambalpur

Part-III

(To be filed by the concerned Regional Chief Conservator of Forests)

14. Whether site, where forest land involved is located has been inspected by concerned Conservator of Forests(Yes/No). If yes, the date of inspection & observation made in form of inspection note to be enclosed.


Not required as the area of diversion is below 40 Ha.

15. Whether the concerned Conservator of Forests agree with the information given in Part-B and recommendation of Deputy Conservator of Forests.

Yes, I do agree.

16. Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.

The additional Spillway Project of Hirakud Dam is badly needed and the said Proposal cannot be avoided taking in the account of decision to carry out left side, one additional spillway way towards Gandhi Minar to avoid flood water in downstream. Hence this proposal recommended.


Addl. PCCF
I/c Regional Chief Conservator of Forests
Sambalpur
Sambalpur.