

No. FCA-I/Kinnaur / 6020  
H.P. Forest Department

Dated Rampur, the / 18-1-2023

From: - CCF. Rampur.

To : Nodal Officer-cum-APCCF(FCA)  
O/o Pr. CCF(HoFF) H.P. Shimla-1.

Subject: -

Diversion of 7.3722 hac of Forest land in favour of Himachal Pradesh Power Corporation Ltd. for the Shongtong –Karchham HEP 450 MW due to enhancement in the existing capacity of HEP 402 to 450 MW and due to change in the river course during flood and usage of already diverted dumping site used by BRO , within the jurisdiction of Kinnaur Forest Division Distt Kinnaur H.P. (Online No. FP/HP/HYD/40611/2019).


Memo:

Kindly refer to your office letter No. Ft. 48-4019/2019 (FCA) dated 24.08.2022 , on the subject cited above.

2. In this context, reply to the observations as raised vide letter under reference is submitted as under:-

Sr. No.	Observations	Reply
1.	In reply to point No.1 with regard to legal status of forest land, “ Charagah Drakhtan” has been mentioned Part-II of the hard copy where UPF has been mentioned in online Part-II, necessary correction may be made in this regard.	DFO. Kinnaur has submitted that legal status of the forest land has been corrected in the hard copy of part-II and also uploaded against the additional information in online part-II.
2.	In reply to point No.5, bill of Penal NPV bill has still been prepared for the area of 1.1766 ha. which is not correct. The bill of Penal NPV is required to be prepared for the violated area in five (5) times plus 12 percent simple interest from the date of violation.	DFO. Kinnaur has revised the Penal NPV for the violation area i.e. 5 times plus 12 percent simple interest from the date of violation and uploaded in the web portal.
3.	The calculation sheet of cost of trees is found missing from the proposal folders, which may be submitted to this office.	DFO. Kinnaur has submitted that the calculation sheet of cost of trees and also uploaded on the web-portal.

This is for favour of information and further action at your end please.

  
Chief Conservator of Forests,  
Rampur Bsr. H.P.

**PART -II**

(To be filled by the concerned Deputy conservator of Forests)

**State Serial No. of Proposal**

S No.	<u>Location of the project/scheme</u>	Shongtong-Karchham HEP, 402 MW
1.		
(i)	State/Union Territory	Himachal Pradesh
(ii)	District	Kinnaur
(iii)	Forest Division	Kinnaur Forest Division at Reckong- Peo Distt. Kinnaur H.P.
(iv)	Area of forest land proposed for diversion (in ha)	<b>7.3722 ha.</b>
(v)	Legal status of forest	U.P.F
(vi)	Density of vegetation	0.3 based on total number of trees and total forest area calculated as per guidelines issued by PCCF HP for NPV
2.	Species-wise (scientific names) and diameter class-wise enumeration of trees (Detailed enumeration list enclosed at page_____).	Enumeration list attached at Page No.
3.	Brief on vulnerability of the forest area to erosion.	The area where the project is covered with hard and competent rock formations, which are not susceptible to erosion. The possibility of erosion of all lands including forest land due to construction of the proposed project has been reduced to the barest minimum by locating all components on the hard rocky strata. Adequate and effective measures would be taken to retain the dumped muck in the muck disposal areas by way of a combination of engineering and biological measures as also in road construction. Thus the project would not cause any significant possibility of erosion.
4.	Approximate distance of proposed site for diversion from boundary of forest.	The proposed project is located in the forest land.
5.	Whether forms part of National Park, wildlife Sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (if so details of the area and comments of the Chief Wild Life Warden to be annexed)	It is certified that the project does not involve land from National Park, Wildlife Sanctuary, Biosphere Reserve or similar protected area.
6.	Whether any are/endangered /unique Species of flora and fauna found in the area?	<b>No</b> rare /endangered /unique species of flora & fauna reported from the area. However the project authority would get a detailed study under Environment Impact Assessment carried out if any such species is found, the same would duly protected by tracking sufficient measures in the Environment Management Plan.

7.	Whether any protected archaeological/heritage site/defense establishment or any other important monument is located in the area? If no, recommend area item-wise with details of alternatives examined?	<b>No</b> , there is no protected area archeological site or any other important monument is located in the area. However, one platoon of ordinance wing of defence establishment exist adjacent to the proposed project area, which is being shifted by the defence authority (probably to upstream location at Lippa- <u>about 35-40 Kms</u> ) under some international convention to local them sufficiently away from the borders.
8.	Whether the requirement of forest land as proposed by the user agency in col.2 of part-I is unavoidable and barest minimum for the project ? If no, recommend area item-wise with details of alternatives examined.	<b>Yes</b> , involvement of forest land is unavoidable and diversion of barest minimum of forest land to non-forest use has been proposed.
9.	Whether any work in violation of the Act, has been carried out? If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress?	<b>Yes</b> , As per the detailed report dated 09.11.20 on violation under FCA, during the site inspection conducted on 11.02.2020 construction of Adit-I Tunnel was already completed. Subsequently no work has taken place. The user agency has also been directed to not start any activity until clearance under FCA is obtained. A Penal CA scheme has been prepared in lieu of the violation.
10.	<b>Details of compensatory afforestation scheme:</b>	
(i)	Details of non-forest area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.	Enclosed as Checklist 18 at Page No. <u>48</u>
(ii)	Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries	Attached at page No. <u>27</u>
(iii)	Detailed compensatory afforestation scheme including species to be planted , implementing Agency, time schedule Cost Structure, etc.	Detailed CA Scheme enclosed at page No. <u>34</u>
(iv)	Total financial outlay for compensatory afforestation scheme.	Rs. 4208171/- only on 2021-22 price level .
(v)	Certificate from competent authority regarding suitability of area identified for compensatory Afforestation and from management point of view,(to be signed by the concerned Deputy Conservator of Forests)	Copy Attached at page No. <u>34</u>
11.	Site inspection report of the DCF (to be enclosed) especially highlighting facts Asked in Col. 7 (IX-Xii) 8 & 9 above.	Copy Attached at page No. <u>43</u>

12.	Division/Districts Profile:	
i)	Geographical area of the district	623748 Ha.
ii)	Forest area of the districts	36904 Ha.
iii)	Total forest area diverted since 1980 with number of cases	1034.1728 Ha. and number of cases are 77
iv)	Total compensatory afforestation stipulated in the districts/division since 1980 as on 31-03-2012	1395.0616 Ha.
	a) Forest land including penal compensatory afforestation	1395.0616 Ha.
V)	Progress of compensatory afforestation as on	1097 Ha.
	a) Forest land	1097 Ha.
	b) Non forest land	NIL
13.	Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons;	The proposal of project is a run of the river scheme using barest minimum of forest land and having detailed Environment Management Plan and would be duly mitigated. Therefore the proposal is recommended for approval

Date: - 05-01-2023  
Place: - Reckong Peo.

  
Arvind Kumar, IFS  
Signature  
Deputy Conservator of Forests,  
Kinnaur Forest Division at R/Peo H.P.

**Bill for Penal NPV of violated area 0.5883 ha. area for additional forest land in favour of Shongtong-Karchham HEP within the jurisdiction of Kinnaur Forest Division, Distt. Kinnaur, H.P.**

Sr. No.	Particular	details
1	Area to be diverted	<del>1.1766</del> Ha. 7.3722 hae.
2	Name of area proposed for diversion	UPF Radule
3	Norm of NPV per Ha.	1069470
4	Penalty for violation equal to NPV of forest land per ha. of 5 times	$1069470 \times 0.5883 = 629169 \times 5 = 3145846$
5	Interset on Penal NPV @12% per annum w.e.f. 1-1-2020 to 31-7-2022 (2 years 7 months)	$3145846 \times 12\% = 377501$ for 1 year ( $3772501 \times 2 = 755003$ ) amount for 7 month 220209, <b>Total interest for 2 year and 7 months = <math>755003 + 220209 = 975212</math></b>
6	<b>Total Penalty amount</b>	<b><math>3145846 + 975212 = 4121058/-</math></b>


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Dy. Conservator of Forests,  
Kinnaur Forest Division,  
Distt. Kinnaur, H.P.

## BILL OF TREE FOR ADDITIONAL LAND TO KARCHAM

Sr. No.	Species	CLASS OF TREE											Total
		Sap	V	IV	III	IIA	IIB	IA	IB	IC	ID	Over	
1	Neoza	14	3	16	10	1	0	2	0	1	1	2	50
	Volume per tree	0	0.018	0.15	0.42	0.87		1.25		###			
	Total Vol. In m3	0	0.054	2.4	4.2	0.87	0	2.5	0	1.3	0	0	11.274
10% Hike as per the market rate for trees for the year 2021-22 per m3												39481	
Amount in Rs.												445108.794	
2	Thum	1	0	0	1	2	0	0	0	0	0	0	4
	Volume per tree				0.11	0.23							
	Total Vol. In m3	0	0	0	0.11	0.46	0	0	0	0	0	0	0.57
10% Hike as per the market rate for trees for the year 2021-22 per m3												13471	
Amount in Rs.												7678.47	
3	Mohru	10	0	1	2	0	0	0	0	0	0	0	13
	Volume per tree			0.31	0.657								
	Total Vol. In m3	0	0	0.31	1.314	0	0	0	0	0	0	0	1.627
10% Hike as per the market rate for trees for the year 2021-22 per m3												13471	
Amount in Rs.												21917.317	
4	B/Patra	0	1	0	0	0	0	0	0	0	0	0	1
	Volume per tree	0	0.01							0			
	Total Vol. In m3	0	0.01	0	0	0	0	0	0	0	0	0	0.01
10% Hike as per the market rate for trees for the year 2021-22 per m3												13471	
Amount in Rs.												134.71	
5	Kunish	20	5	1	3	0	1	0	0	0	0	0	30
	Volume per tree	0	0.01	0.03	0.29		0.69						
	Total Vol. In m3	0	0.05	0.03	0.87	0	0.69	0	0	0	0	0	1.64
10% Hike as per the market rate for trees for the year 2021-22 per m3												13471	
Amount in Rs.												22092.44	
6	Alunthus	5	0	0	0	0	0	0	0	0	0	0	5
	Volume per tree	0											
	Total Vol. In m3	0	0	0	0	0	0	0	0	0	0	0	0
10% Hike as per the market rate for trees for the year 2021-22 per m3												13471	

													Amount in Rs.	0
7	Ash	9	0	0	0	0	0	0	0	0	0	0	0	9
	Volume per tree	0												
	Total Vol. In m3	0	0	0	0	0	0	0	0	0	0	0	0	0
10% Hike as per the market rate for trees for the year 2021-22 per m3													13471	
													Amount in Rs.	0
													Total No. Of Sapling involved	59
													Total No. Of Trees involved	53
													<b>Total Royalty Amount</b>	496931.731
													GST @ 18%	89447.71158
													<b>G. Total</b>	<b>586379.4426</b>
													<b>G. Total (Round Off)</b>	<b>586379</b>

  
 Deputy Conservator of Forests,  
 Kinnaur Forest Division at R/Peo HP.