

No.RK/ 8319
H.P. Forest Department.

Dated S/Nagar, the: 16/12/2022

From: D.F.O. Suket.

To: C.C.F. Mandi.

Subject : **Diversion of 0.8700 ha. of forest land in favour of BBMB Sundernagar for the construction of Hydro Electric Power Project Baggi (2x21 MW) within the jurisdiction of Suket Forest Division, Distt. Mandi, HP. (Online Proposal No. FP/HP/Road/144511/2021).**

Memo:

Kindly refer to Regional Office Shimla, HP File No. FC/HPB/01/134/2022 dated 04/10/2022 on the subject cited above.

2. In this context, the point-wise reply of observations as raised by Integrated Regional Office Shimla, HP has been attended by user agency and this office which is as under:-

1. The user agency has submitted revised layout plan with all the required components both in forest or non-forest land in distinct colors alongwith land khasra details. Revised layout plan has also been uploaded on PARIVESH Portal.

2. The user agency has submitted that excavation for surge shaft in area will be done at natural angle of repose. Slope protection works i.e. rock bolting, shotcreting and other passive protection works like retaining wall & breast wall will be used as mitigation measures to arrest the soil erosion/ land slide during/after execution of project. The Soil & Moisture Conservation Plan to protect the soil erosion is given as under:-

Sr. No.	Description of work	Qty. (Lumpsum)	Rate (Approx.)	Amount (Rs./-)
1.	c/o C/dams or C/wall in Khyuri Nala	10	25000	25000
2.	C/o C/dams or c/wall in Kandlu Nala	10	25000	25000
3.	C/o C/dams or C/wall in Bhebli Nala	10	25000	25000
	Total	30		75000

3. In this regard user agency submitted that the consultation and meeting with Gram Sabha (S) & FRC (s) of all concerned villages has been completed and FRA case for issuance of FRA certificate has been submitted to Deputy Commissioner Mandi, HP.

Therefore FRA Case is already under process and FRA certificate shall be provided before Stage-II Approval.

4. The user agency submitted that the 0.17 ha. private land under khasra no. 467/Muhal Khuiri is required for Baggi HEP. The required private land area is a non-forest land for which NOC/affidavit has been obtained from the land owner and the same is being submitted with the reply. However, the land acquisition of this private land is under process for which Negotiation Committee is being constituted by ACS (Power) Govt. of HP NOC/Affidavit has been uploaded on PARIVESH portal.

5. The user agency submitted that the proposed Baggi HEP is located on the existing water conductor system of Beas Satluj Link Project (BSL Project) which was commissioned in July 1977 and as such already diverted water from Pandoh Dam through Pandoh Baggi Tunnel (PBT) will be used as alternate way to generate power from available power potential at Baggi Control Works. Since no new/ additional diversion of water is to be done for Baggi HEP and Hence no permission/ NOC regarding diversion of water is required for this project.

6. The user agency has submitted the corrected undertaking by mentioning the title of proposal duly authenticated by DFO and same has been uploaded on PARIVESH Portal.

7. Geo-reference map has been reviewed and rectified again and same has been uploaded in PARIVESH portal.

8. The user agency submitted that brief note of the project with supporting documents has been uploaded on the PARIVESH Portal.

9. The user agency submitted that the beneficiary village Khuiri Daum has been marked on the KML file and same has been uploaded on PARIVESH portal.

10. The user agency submitted that the environmental clearance for Baggi HEP is under process and the same will be provided before Stage-II Approval.

11. The user agency submitted that Baggi HEP project was conceived during execution of BSL(P) and some of its component i.e. bypass tunnel, Part of surge shaft was already constructed during construction of BSL Project i.e. in Nineteen Seventies. With construction of bypass tunnel and part surge shaft for this project location/layout of Baggi Power Project components had already been fixed during execution of BSL Project and hence at present it is not feasible to change the location/layout of the project. Trees marked on the plan is as per the components fixed and is as per minimum requirement for construction of

project component falling in the forest area. Therefore all of the trees marked on plan are required to be felled and none of them can be retained for not felling. (List attached)

12. There are 241 Nos. total trees in which Class V-88 trees, Class IV-130 trees and class III-23 trees standing over the construction site and all are required to be felled. As per density calculation formula it is calculated 0.37 which falls under definition of open forest. The user agency also submitted an undertaking for saving the green trees in muck disposal site.

13. In this connection, it is submitted that abstract of trees duly authenticated by DFO is attached herewith and also uploaded in the portal.

14. The user agency submitted that proposed Baggi Power Project (2x21MW) is a hydel power project which will use already diverted water for existing BSL(P) for generation of power and therefore mining plan is not applicable for this project. Please refer the schematic layout plan of Beas Satluj Link (BSL) Project (copy enclosed and soft copy uploaded on PARIVESH portal) from which it is clear that proposed Baggi Power Project is located on the existing water conductor system of Beas Satluj Link Project and already diverted water from Pandoh Dam through Pandoh Baggi Tunnel(PBT) for BSL (P) will be used as alternate way to generate power at Baggi. No new/additional diversion of water from Beas river will be done for Baggi power project and consequently no additional water will be released in Satluj river at Dehar Power House. Hence there will be no change/ adverse impact will take place in both Beas and Satluj River basins. However, CAT Plan of existing BSL Project was approved in year 2009 and the same is being enclosed herewith. Soft copy of catchment area plan and CAT Plan of Beas River has also been uploaded on PARIVESH portal.

15. The user agency submitted that detailed muck management plan showing swell factor, capacity etc. duly authenticated by DFO has been attached with the reply. Layout plan and KML file of Muck disposal site has been uploaded on the PARIVESH portal.

16. As per report of User Agency :

(i) Capacity of Transmission line is double circuit 132 KV line with ACSR Panther Conductor.

(ii) Evacuation of power from Baggi Hydro Power Project is proposed through LILO of existing 132 KV single circuit Kangoo-Bajoura transmission line (copy attached) The copy has also been uploaded on PARIVESH portal.

(iii) 132KV Transmission Line for power evacuation of Baggi HEP will be a overhead line above ground.

17.(i) The user agency submitted that detailed list of proposals approved/ existing/proposed in Beas river basin area has been enclosed with and also uploaded on PARIVESH portal. From this list, only two no. projects i.e. 990 MW BSL Project and proposed 42 MW Baggi Power Project falls under the jurisdiction of Bhakra Beas Management Board. BSL project is an existing project and Baggi Power project is a proposed project on existing water conductor system for BSL project. Therefore, there will be no submergence of area from execution of this project. Land required for this project (Except some forest land under this proposal and some private land) is already available with BBMB and hence rehabilitation of habitation is also not involved. Some of the components i.e. bypass tunnel, Penstock tunnel, Part of Surge Shaft etc. had already been constructed during nineteen seventies and hence the constructional activities involved are minimal. Existing road and infrastructure shall be used for construction of this project and hence no new road (Except for surge shaft access) will be required. BBMB Land is available along existing Sundernagar Hydel Channel for evacuation of power from Baggi Power house to LILO point. Existing muck disposal site of BBMB will be used for disposal of muck from Baggi Power Project and no new muck disposal site will be required. Hence there will be no adverse impact from construction of Baggi Power Project. However, information regarding impact of projects other than BBMB is not relevant/pertaining to Baggi Power Project.


(ii) As per user agency report Bandli ESZ is the draft notified ESZ in the vicinity of proposed Baggi Power Project . It is not relevant to show all the HEPs of Beas river basin on KML file and hence only the HEPs with in a radius of 25.0 KM of Baggi Power Project has been shown on the KML file. Distances of these HEPs from nearest PA has also been marked and shown in the KML file. The KML file has been uploaded on PARIVESH portal.

(iii) As per user agency report the approved capacity in terms of hydro-electricity generation potential of Beas River is 5241 MW. List of HEPs on Beas River basin showing their individual power potential and total power potential of River Beas is enclosed with and the same has also been uploaded on PARIVESH portal.


- 18.(i) It is submitted that the forest land proposed for CA is DPF named as Murahdhar.
- (ii) In this connection, it is submitted that land suitability certificate is already submitted to higher ups however copy is attached herewith for ready reference and same has been uploaded in portal.
19. Geographical area of division has been reviewed & rectified and as per working plan of this division it is found correct i.e. 86940 ha.
20. The User agency submitted that TEC (Techno-Economic clearance) of the project has been uploaded on PARIVESH portal.
21. As per user agency report implementation agreement of the project has been uploaded on PARIVESH portal.
22. The User agency submitted that joint inspection report of the project has been uploaded on PARIVESH portal.
23. The user agency submitted that the details of purpose wise and component wise breakup of proposed area showing khasra number wise forest and non forest is being submitted with the reply and the documents pertaining to the same has also been uploaded on PARIVESH portal.
24. In this connection, it is submitted that legal status of diversion area is mentioned as "Charagah Villa Drakhtan" and it is Govt. waste land declared as PF under HP Govt. notification, 1952 and is in possession of HP Forest Department.

This is for favor of kind information & further necessary action at your end please.

Encl: 03 Nos. Proposal Folders.


Divisional Forest officer,
Suket Forest Division,
Sundernagar.

Endst. No.RK/ 8320 Dated S/Nagar, the/ 16/12/2022
Copy is forwarded to Er. S.P. Sharma, Sr. Executive Engineer, Hydel
Channel & Baggi Gate Divn. BBMB Sundernagar w.r.t. his office memo No. 1282/16-W/FCA
dated 21/11/2022 for information please.


Divisional Forest officer,
Suket Forest Division,
Sundernagar.

16/12/22