

No.Ft.48-5174/2020 (FCA)
H.P. Forest Department.

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

To: Integrated Regional Office, Ministry of Environment,
Forest and Climate Change, CGO Complex,
Shivalik Khand, Longwood, Shimla, H.P.

Dated Shimla-1, the **8 OCT 2021**

Subject: **Diversion of 9.3408 ha. of forest land in favour of HPSEB Ltd. for the construction of Hail Hydro Electric Project (18.00 MW) HE, within the jurisdiction of Churah Forest Division, Distt. Chamba, H.P. (Online Proposal No. FP/HP/HYD/52179/2020).**

Sir,

Kindly refer to your office letter No. 8B/HP/01/45/2021/FC/76 dated 29-5-2021 on the subject cited above.

2. The point wise reply to the observations as raised vide your above referred communication is submitted as below:-

4. Justification in terms of its purpose for job Facilities, Magazine, Valve House, /Workshop & store are given as under :-

- **JOB FACILITIES:** the land for job facilities is required to accommodate construction labor, men, Dispensary & site offices etc.
- **MAGAZINE :** It is required to safely store the explosive material such as Gelatin, detonators etc. this land is to be selected far away from the habitation.
- **VALVE HOUSE:** The land for valve house is required to accommodate valve after surge shaft to have control on flow of water in Penstock.
- **WORKSHOP & STORE:** The land for workshop & store is required to store the construction material and repairing of construction equipment's vehicles and fabrication of structural steel for project component etc.

5. The desired Cost Benefit duly authenticated by the DFO Churah is enclosed herewith.

6. The CA scheme already proposed as per the FCA guidelines 2.4 (iii) on the degraded/ waste land in UPF Chuili, which is not in the name of Department of forest.

7. As per information received from CEO-cum-CCF HP State Authority, CAMPA it is intimated that presently neither any fund under approved comprehensive CAT Plan for Ravi River Basin is received nor implemented. However list of various approved CAT Plans presently implemented on Ravi River Basin along with total area treated and funds utilized so far is enclosed herewith.

8. It is submitted that, the area for dumping site is required to adjacent to the area proposed for diversion, but there is no suitable non forest land available for dumping purpose. Further, the local habitant of nearby vicinity having very small area of land, which is only source of their livelihood and they are not agreed for giving their land for dumping of muck. However, the enumeration details for area selected for muck dumping is enclosed herewith.

9. In this regard it is submitted that in Himachal Pradesh Hydro Electric Projects are allocated by State Government on basis of prefeasibility reports. Where various design parameters are based on preliminary studies, like discharge data in prefeasibility reports usually derived from catchment areas using empirical formulas, and as per prefeasibility data the Govt. had initially allotted the project for capacity 14 MW vide allotment order dated 6.04.2013.

Once the project is allocated, detailed topographical surveys are carried out and actual discharge is measured by establishing a regular Gauge & Discharge site on river/ Nallah. Actual/ accurate discharge measurement is very essential for assessing the hydro potential of the project and for detailed design. After the measurement of actual discharge and deciding various other design parameters based on detailed studies, accurate installed capacity of power project is assessed for the capacity 18 MW. Then as per the actual assessed data "Detailed Project Report" is prepared for 18 MW Capacity and submitted in the Directorate of Energy, GoHP. After perusal of this Detailed Project Reports Techno Economical Clearance (TEC) is granted to the power project for 18 MW capacity. Sight variation in the allotment and installed capacity of power project is common and same is happened in the case of HAIL HEP (18 MW) Hydro Electric Project. Exact installed capacity of power project should be considered as mentioned in Techno Economical Clearance.

10. The superintending Engineer, Directorate Energy, Shimla-09 has intimated vide his office letter No-HP DOE/CE/Energy/CEIA (Ravi Basin) 2021-1630-31 dated 19-6-2021 that at present no independent study is being carried out to assess the total potential of Ravi Basin/ Catchment to generate power. However, a Digitized Basin wise plan for Ravi Basin study was carried out through Lahmeyer International (India) Pvt. Ltd. in year 2012 and as per the report the Hydro Power Potential of Ravi Basin has been identified as 3237.12 MW. Copy enclosed.

Encls. As above.

Yours faithfully,

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

Endst. No.Ft. 48-5174/2020(FCA),

Dated Shimla-1, the 8 OCT 2021

Copy is forwarded to the following for information and necessary action:-

1. CCF Chamba
2. DFO Churah.
3. Sr. Executive Engineer (Project), Construction Division No.1 HPSEB Ltd., Tissa, HP.

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O/o Pr.CCF, H.P, Shimla-1