

**Proposal:** Diversion of 0.6995 ha. of forest land in favour of M/s Dani Maha Mai Hydro Project Barod at Alu Ground, PO Kalath, Tehsil Manali Distt. Kullu, HP for construction of Barod SHEP (1.0 MW) within the jurisdiction of Kullu Forest Division. (Proposal No.FP/HP/HYD/21645/2016).

## **CHECK LIST NO.10**

### **JUSTIFICATION FOR LOCATING THE PROJECT IN THE FOREST AREA**

In Himachal Pradesh emphasis was placed on larger projects after independence so the smaller ones were neglected to some extent. The Government of Himachal Pradesh has framed a policy for harness the hydro-electric potential of various riversstreams/nallahs in the state. Therefore, Barod SHEP (1.0 MW) has been awarded to M/s Dani Maha Mai Hydro Power Project over the Barod Nalla which has the power generation capacity of 1.0 MW as per assessment carried out by HIMURJA. The hydro projects are site specific in nature as they have to be constructed over a specific river/stream/nallah. The power generated from this project is proposed to be evacuated through solid tap 11KVA transmission line to HPSEBL grid at Prini. This power can be used locally which will avoid long transmission loses and insure uninterrupted and assured supply to the local population. The Barod Small Hydro Electric Power Project 1.0 MW (SHEP) is a run of the river scheme for production of hydro power on Barod Stream/Nallah, a tributary of river Beas. This Power Project is located approximately 2.0 Km from Manali in Distt Kullu. The powerhouse of Barod SHEP is located at an elevation of  $\pm 1872$  and diversion weir is at an elevation of  $\pm 2155$  on Barod stream. The construction of this project involves 0.6995 ha. of forest land and nil private area with overall 8 components viz. Weir Site, Water Conductor System, D-Tak-cum-Foreway, Penstock, Power House, Switchyard, Tail Race, Road, T/line alongwith eight dumping sites ie. MD-1 (over Stitchyard), MD-2, MD-3, MD-4, MD-5, MD-6, MD-7, MD-8.

The Himachal Pradesh Government has entrusted the implementation of Small Hydro Plants upto 5.0 MW to HIURJA under the administrative control of State Science and Technology Department. M/s Dani Maha Mai Hydro Power Project has been awarded 1.0 MW Barod SHEP over Barod Stream. Since, the Hydro Electric Projects are considered as green energy projects and have very less negative impact on the surrounding environment. The Govt. of Himachal Pradesh has framed guidelines to harness the electric potential of the streams in the state. In addition to power generation, the project will also provide strengthen

the livelihood of the local people by way of providing employment to them. Further, the exchequer will also be get benefitted through the royalty to be paid to the government. The project nearby area has thinly populated village called Barod with approx. population of 350 people. Since very little crop is available in villages, therefore, families do not depend upon agriculture hence many of them will get jobs in the project on the basis of their capabilities. Most of the labour requirement will be covered through the nearby village as per their interest/skill. The total cost of the project has been estimated as 874 lakh which will also be injected for development works in the surrounding area.

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Duni Maha Mai Hydel Project  
ALOGROUND, MANALI  
Signature of User Agency

Office Seal



Divisional Forest Officer  
Kullu Forest Division Kullu