DIVERSION OF 3.7463 HA.OF FORESTLAND FOR CONSTRUCTION OF GHATOR TOP SMALLHYDRO PROJECT 4.98MW IN TEHSIL BHARMOUR, DISTRICT CHAMBA (H.P)
FILE NO .. : **FP/HP/HYD/156608/2022**
DATE OF PROOSAL : 9/5/2022

CHECK LIST SERIAL NUMBER:-~~1~~ 14

DETAIL NOTE ON THE PROJECT

The forest land is required for the construction of the GHATOR TOP Small Hydro Electric Project (4.98MW) near village Ghator , Tehsil Bharmour , Distt. Chamba (H.P). The scheme is proposed on the Ghator Nala. Flow of the Ghator Nala would be diverted through a weir to be constructed at EL. 2735 m and conveyed through a 18 m long feeder channel upto the proposed D Tank . Then through 741m HRT upto Shurge Tank and 1398 m long Penstock leading to a surface power house on the right Bank of Ghator Nala. The Proposal requires 1279M road, which has been maximum proposed with Transmission Line . The right of way for Transmission line has been taken 15 m which includes the 3.85m breadth proposed for the construction of road. The remaining length of the Transmission line upto interconnection point has been proposed underground cable of length 3451 m upto interface point Chirchind II HEP at Kodhla..

The construction of the above project involves 3.7463 ha. of forest land and there is no non forest/ private land available in the concerned area so all the civil components of the project have been proposed on the forest land .

The Project Comprises of the following civil works.

- Diversion Weir
- Feeder channel
- D- tank
- Silt flushing
- HRT
- Shurge Tank
- Penstock
- Powerhouse
- Switch Yard
- Road
- Transmission Line
- Muck Dumping Sites

With the construction of the above project, economy of the local village Urei, Dhar Jhariyun, Dhar Panhetri and surrounding villages shall get a boost.

Presently, non- renewable sources like Kerosene, Diesel and Forest wood are being used as domestic fuel. Availability of reliable and qualitative electricity shall have positive impact in the living standard of the people of the area.

The people of this area are generally poor and they would get the chance to be part of the project by getting employment during construction period and some persons shall get permanent employment for operation of the Project. The estimated cost of the project is Rs. 40.51 crore and approx. 37000 man days of employment would be generated directly during construction of the project and 14 nos. of employees will be engaged permanently for operation of the project after construction.

The adverse impact of the construction on the environment shall be taken care of. Cut & fill method shall be used for disposal of muck/debris and the rest would be used in filling the embankments of different structures, retaining walls and low lying areas. The dumping sites have been depicted in the enclosed map. No debris would be allowed to roll down the slopes towards the Nala. Trees along the Penstock Slopes, dumping areas and approach roads will be planted. Thus every care shall be taken to minimize the ill effect on the environment.

Location of the Project:

The GHATOR TOP Small Hydro Electric Project is being conceived as a run of the river development on Ghator Nala, a tributary of Chirchind / Ravi River. The Project is located near village Ghator , in Distt. Chamba of Himachal Pradesh. The powerhouse is 50 Kms from Chamba Town, Nearest broad gauge railway station is Pathankot, which is 160 kms from the powerhouse site.

JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA

Ghator Nala is a tributary of Chirchind Nala /Ravi river and joins it near Kodhla, located on the Luna- Urei Ghator road in District Chamba. It originates from dhauladhar from 4400 m altitude. The total catchment up to proposed diversion site is 12 Sq. km. The gradient of Nala is very steep in the upper reaches of the Nala. Average slope varies from 1:6 to 1:10.

No other viable alternative is available for the project so it has to be as such located in the forest land. Keeping in view of the technical requirements of the Project, alternative involving minimum forest land and trees have been adopted.

FINANCIAL AND SOCIAL BENEFITS:

Financial :

The project will generate about 25.39 million units which shall be sold to the HPSEB at Tariff fixed by the HPERC.

Social :

- Provide reliable power supply to the rural area to stimulate economic activity social welfare among the local population.
- Save forests, which are being used for meeting rural energy needs
- Increase Productivity in agriculture, industry and commerce.
- Create employment during construction and maintenance and thus check migration of the villagers to cities.
- To reduce the use of fuel wood during winter for heating purposes, thus reducing deforestation.

Total Population Benefited:

The population of approx. 553 persons living in the Urei village will be directly benefited with the construction of this project however the peoples from other villages surrounding the project area will also be directly/indirectly benefited with the construction of project.

Employment Generated:

Approx. 37000 man- days of employment would be generated directly during the construction of this project.

Personal to be retained after completion of project would be 14 nos., who shall get permanent job till the life of the Project or retirement thereof, whichever is earlier.

Project objectives:

- Exploit the power potential as per the policy of the Government.
- Provide employment opportunities to the locals
- Development of the area by adding to the standard of living in village communities.
- Mitigate the power crisis in northern region.

The project would have lot of long term direct and indirect advantages. Hence the project is requested to be considered.

Place : Bharmour
Dated : 24/5/22

For Chanab Hydro Ventures

Authorised Signatory

Authorised Signatory