

DIVERSION OF 0.5684 HA. OF FOREST LAND FOR CONSTRUCTION OF CHANED SMALL HYDRO PROJECT (1 MW) IN DISTRICT CHAMBA (H.P.)

FILE NO. : **FP/HP/HYD/138838/2021**

DATE OF PROPOSAL :

CHECK LIST SERIAL NUMBER: - 3

DETAIL NOTE ON THE PROJECT

The forest land is required for the construction of Chaned Small Hydro Project (1 MW) near village Bhanota, Tehsil & District Chamba (H.P). The scheme is proposed on Kolhari Nala tributary of Ravi River. Water from weir shall be diverted through 1092 m long Water Conductor to a surface Forebay Tank and then dropped to a surface Power House through 120 m long penstock. Then the water shall be released into the Kolhari Nala on the left bank near village Bhanota. Power generated from the Project shall be interfaced at the 11 kV Sub Station nearby by constructing 81 m long 11 kV Transmission Line.

The access road of 160 m length shall be constructed upto the proposed Power House. The right of way for Transmission Line has been taken as 7 m. The Transmission Line and Road has been taken as common for 81 m length. The construction of the above project involves 0.6708 ha. of total land comprising of 0.5684 ha of Forest Land and 0.1024 ha of Private Land. There is no Non Forest / Private Land available in the concerned area so most of the civil components of the Project have been proposed in the forest land.

The Project Comprises of the following civil works.

- Intake Structure
- Conveyance Channel
- De-silting Tank
- Water Conductor / Pipe Line
- Forebay Tank
- Spillway
- Penstock
- Powerhouse
- Road
- Road / Transmission Line

With the construction of the above project, economy of the local village Bhanota and surrounding villages shall get a boost and better means of earning livelihood.

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. 929 lakh and

approx. 24500 man days of employment would be generated directly during construction of the project. 12 number of persons will get permanent employment during the life of the project.

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 Khad. 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 Chaned Small Hydro Electric Project is being conceived as a run of the river development on Kolhari Nala, tributaries of Ravi River. The Project is located near village Bhanota, in Gram Panchayat Bhanota, Tehsil Chamba, District. Chamba of Himachal Pradesh. The Nearest broad gauge railway station is Pathankot, which is 70 kms from the powerhouse site.

JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA :

Kolhari Nala is a tributary of Ravi river. The total catchment up to proposed diversion sites is 22.5 sq km. The gradient of Khad is very steep in the upper reaches of the khad. Average slope varies from 1:6 to 1:10.

The area of project is surrounded by forest land and apart from the private land proposed there is other Non Forest land, so most of the components have been proposed in forest land. 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 6 million units which shall be sold to the HPSEB at Tariff fixed by the HPSERC.

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. 2003 persons (As per Census 2011) living in Bhanota village will be directly benefitted with the construction of this Project. However people from other villages surrounding the project area will also be directly / indirectly benefitted with the construction of this Project.

Employment Generated:

Yearly employment during construction by categories (Approximately)

Year	Professional & Technical	Clerical Services	Skilled workmen	Unskilled workmen
1 st Year	4	3	10	50 to 75
2 nd Year	6	3	15	75 to 125

Personal to be retained after completion of project would be approximately 10 %, who shall get permanent job till the life of the Project or retirement thereof, whichever is earlier.

Approx. 24500 man-days of employment would be generated directly during the construction of this project.

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.

For OHP Project Private Limited

For OHP Project Pvt. Ltd.

[Handwritten Signature]

Auth. Signatory

Authorised Signatory

Place : Chamba

Dated :