

Banu SHEP (5MW) in Kangra District, (H.P.)

CHECKLIST NO. 10

Justification for locating the project in the forest area.

This Proposal requires diversion of 2.29.26 hectare of forest land for the "Construction of Banu 05 MW Small Hydro Electric Project (SHEP) near village Manei in Teshil Baijanat District Kangra (H.P.)". It comprises the construction of all project components, approach road to project site and dumping sites for disposal of muck as well. The total length of the approach road is 150 mtrs. Whole stretch of road will pass through the forest land. This road is being constructed to provide moto link from the PWD road to the project site near village Tar.

During the Joint Inspection all possible alignments with regard to project components including the Transmission line were inspected by the committee with a view to minimize the use of forest land and minimum felling of trees. After exploring all the three technically feasible alternatives, It was observed that there is no escape from using the forest land. Out of the three numbered alignments, the one which involves lesser number of forestland as well as minimum felling of trees has been finalized for construction of all the project components, muck dumping sites and approach road to the project site. In view of further minimizing the use of forest land, it is proposed to evacuate the power to be generated at the power house through a joint transmission system, which has been approved by Himachal Pradesh Power Transmission Corporation Limited. This would reduce the area of forestland required for the construction of Transmission Line. The necessary permission from the H.P. Power Transmission Utility, i.e. the HP Power Transmission Corporation, Shimla has been obtained (Copy attached with this proposal at page -----)

The catchment area of the Banu nallah below and above Diversion structure comprises of Forest land only. The Bed slope of the nallah is in an ideal condition for Hydro Electric Power Generation. The natural regime of the Nallah is not disturbed and the water after generation of electricity would be released back to the Nallah on run of the river principle.

Social:

- Provide reliable power supply to the rural areas to stimulate economic activity, social welfare among the local population.
- Conserve kerosene and oil products used for lighting and other purposes in rural areas.
- Conserve forests, which are being used up for meeting rural energy needs.
- Create employment during the construction and afterward in operating the project and thus check migration to the cities.
- To reduce the use of fuel wood during winter for heating purposes. Thus reducing deforestation.

Total Population Benefited:

The Population of approx. 20 persons living in the village Manei and 400 nearby Uttarala villages in District kangra would be benefited.

Project Objectives

Reduction in emission of green house gases.

For Leond Hydro Power (P) Ltd.
Vaun Pandit
Authorised Signatory

Proposal for diversion of Forest Land of 02-29-26 Hectares for

Banu SHEP (5MW) in Kangra District, (H.P.)

Preservation of biological diversity'

Preservation of Ozone layer.

Reduction in global warming.

Development of backward areas of the H.P. State.

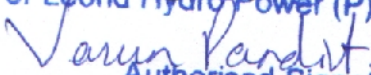
No other viable alternative is available for the project so it has to be as such located in the forest land. The project components like Diversion Weir, Conveyance Channel, De-silting Tank, Power Channel, Penstock Power house, tail race, Office Control room, job facility centers, road, transmission line lies in the palampur Forest Division, keeping in view other factors such as cost effectiveness, ecological disturbances and stability of strata to make best use of water available for power generation. Himach Pradesh Power Transmission Corporation Limited, nodal agency for Transmission lines in H.P, has proposed joint evacuation arrangement for the project. A sketch approved by HPPTCL is enclosed at page no -- for joint evacuation arrangement.

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

Date: Palampur

Place: 05/12/2018


Divisional Forest Officer
Palampur Forest Division
Palampur-176061 (H.P.)

Authorised Signatory
For Leond Hydro Power (P) Ltd

Authorised Signatory
Leond Hydro Power Pvt Ltd.