

**DIVERSION OF 1.1163 HA. OF FOREST LAND FOR CONSTRUCTION OF LINGTI SHP**

FILE NO. : FPI/HP/HYD/12958/2-15  
 DATE OF PROPOSAL : 30/05/2015

**BRIEF NOTE ON THE PROJECT**

The forest land is required for the construction of the Lingti Small Hydro Electric Project (500 kW) near village Rakh, Gram Panchayat Rakh, Tehsil Palampur, Distt. Kangra (H.P). It is proposed on the Lingti Khad. Flow of the Lingti Khad would be diverted through a weir to be constructed at EL 1710 m and conveyed through a 10 m long conveyance channel upto the Desilting Tank –cum-Forebay Tank from where it would be conveyed through 663 m long Pressurized Power Pipe upto a surface power house on the right Bank of Lingti Khad. Power generated will be evacuated through 874.5 m long 11 KV transmission line upto the inter-connection Point downstream of village Rakh. The road shall be constructed upto the power house, which shall mostly follow the existing village track and transmission will be laid in the road alignment. The total land involved for construction of the above project will be 1-11-77 Hectare including 1-11-63 Hectare forest land.

The Project Comprises of the following civil works.

- Diversion Weir
- Intake Structure
- De-silting tank – cum – Forebay Tank
- Spill Way
- Pressurized Power Pipe
- Powerhouse
- Muck Dumping Sites
- Working Space / Colony
- Transmission Line
- Road

With the construction of the above project, economy of the local village Rakh 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. 04.20 crore and approx. 45000 man days of employment would be generated directly during construction 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 Power Pipe Slopes and dumping areas will be planted. Thus every care shall be taken to minimize the ill effect on the environment.

PARSHANTI HYDRO ENERGIES PVT. LTD.

Auth. Sign.

*Daxith*  
 Director

### LOCATION OF THE PROJECT:

The Lingti Small Hydro Electric Project is being conceived as a run of the river development on Lingti Khad, a tributary of Neugal Khad. The Project is located near village Rakh, in Tehsil Palampur, Distt. Kangra of Himachal Pradesh. The powerhouse is 35 Kms from Palampur Town.

### JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA:

Lingti Khad is a tributary of Neugal Khad which is further a tributary of River Beas. It originates from Dhauladhar from 3200 m altitude. The total catchment up to proposed diversion site is 21.23 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.

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 12 million units which shall be sold to the HPSEB at Tariff fixed by the HPSEB.

#### **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. 200 persons living in the Rakh, and other villages surrounding the project area will be benefited.

#### **Employment Generated:**

Yearly employment during construction by categories ( Approximately)

Year	Professional & Technical	Clerical Services	Skilled workmen	Unskilled workmen
1 <sup>st</sup> Year	4	3	25	100 to 150
2 <sup>nd</sup> Year	5	3	25	175 to 200

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Auth. Sign.

*Dodh*  
Director

Personal to be retained after completion of project would be approximately 30-35 %, who shall get permanent job till the life of the Project or retirement thereof, whichever is earlier.

Approx. 45000 man- days of employment would be generated directly during the construction of this project.

Project objectives:

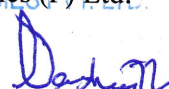
- Exploit the power potential as per the policy of the Government.
- Provide employment opportunities to the locals
- Development of the area by adding to the standard of living in village communities.
- Mitigate the power crisis in northern region.

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

Place : Palampur  
Dated : 2015

For Prashanti Hydro Energies (P) Ltd.

Auth. Sign.  
Director

  
Director