

## FORM-‘A’

Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities

### Forest (Conservation) Act, 1980

#### PART-I

(To be filled up by the user agency)

#### 1. Project details:

(i) **Short narrative of the proposal and project/scheme for which the forest land is required.**

The 97 MW Tashiding Hydro Electric Project (THEP) located in West Sikkim envisages the utilization of the flow of Rathong Chhu, a tributary of Rangit River (the main river of the State of Sikkim). The main project is located in West District. The project area is located between 27°18'N to 88°16'E and 27°20'N to 88°13'E. The location of the project is shown in the annexure-I.

The project envisages a Barrage with Silt Excluder arrangement on the main Rathong Chhu river near the village Doban, a power intake on the right bank to drive the flows into a 5.7 km long Head Race Tunnel with a diameter of 5m along the chord of the Loop to create a gross head of about 40.25m an underground Surge Shaft of 10m diameter, pressure shaft, a surface powerhouse at the confluence of the river Rathong Chhu with installation of 97MW (two unit of 48.5MW capacity each), about 40.44m length Tail Race, an outdoor 220KV Switch yard just above the powerhouse, and 220KV double circuit Transmission line of 6.6Km length to evacuate the power to the Energy & Power Dept./PGCIL Legship Pooling Station at Tingmoo, South-Sikkim.

The land required for evacuation of power from THEP switch yard at Kagaythang, West-Sikkim to Energy & Power Dept. /PGCIL Legship Pooling Station at Tingmoo, South-Sikkim is as below.

1. Total private land involved	:	0.7158 Hectares
2. Total forest land involves	:	2.3415 Hectares

- (ii) **Maps showing the required forest land, boundary of adjoining forest on a 1:25,000 Scale maps.**

Please see Annexure – III

- (iii) **Costs of the project: 12.00 Crores.**

- (iv) **Justification for locating the project in forest area.**

The location of the power house and switch yard (already approved) at Kagaythang & the proposed Energy & Power Dept./PGCIL Legship Pooling Station at Tingmoo, South-Sikkim requires drawl of 220KV D/C transmission line on the surface for evacuation of power generated at THEP. Alternatives studies of different routes have been made to have minimum environmental and social impact of constructing the line and the proposed route is finalized having least environmental and social impact involving least forest areas and avoiding localities having dense population. The final locations of the two terminating station do not permit to avoid forest land, the forest land involved as mentioned is unavoidable & site specific component has been involved.

- (v) **Cost –benefit analysis (to be enclosed)**

The cost benefit analysis in the prescribed format (Annexure VI (b) & VI (c) as prescribed in the forest conservation Act, 1980) is enclosed. The state will gain immense benefit from the project in the form of free power from the project and employment being generated by the project. Beside these benefits, there are no negative impacts on the environment due to the project except some temporary impact during the construction stage. However, adequate mitigative measures will be taken to ensure the minimum impact and disturbances on the environment.

- (vi) **Employment likely to be generated.**

During the transmission construction of the project, about 25-30% of the project cost may be incurred on skilled and unskilled manpower likely to be employed in the project. About 50-60 numbers of people may be directly or indirectly employed in the construction & about 12 numbers of people after the construction of the project.

## 2. Purpose Wise breakup of the total land required:

The total land covered by the Transmission Line is **3.0573 Ha** (surface) only.

Total forest land involved =2.3415 Ha (surface)

Sl. No	Component	Plot No	Area	Legal Status
1.	Forest land proposed for Transmission line from THEP Switch Yard to Energy & Power Dept. /PGCIL Legship Pooling Station at Tingmoo, South-Sikkim.	Reserve Forest/ Gaucharan, 228, 23	2.3415	Reserve Forest / Gaucharan
2.	Private Land involved	703/P, 357/838/P, 582/757/P, 682/P, 680/780/P, 676/P, 712/P, 33/P, 246/P, 232/P, 233/P, 542/P, 599/P, 22/P, 90/P, 118/P, 122/P, 161/P, 193/P, 221/P, 217/P	0.7158Ha	Private Land
Total			<b>3.0573 Ha</b>	

The Joint inspection report with details of land is given in the Annexure -2

### Details of displacement of people due to the project, if any:

There is no displacement/ousters in the project

- |       |   |      |
|-------|---|------|
| (i)   | Numbers of families.                                  | :N/A |
| (ii)  | Numbers of Scheduled Castes/Scheduled Tribe families. | :N/A |
| (iii) | Rehabilitation plan (to be Enclosed)                  | :N/A |

## 3. Whether Clearance under Environment (Protection) Act, 1986 required? (Yes/No).

Not required in connection with the diversion of 2.3415 hectares of forest land.

4. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and /or penal compensatory afforestation as well as cost for protection and regeneration of safety zone etc. As per the scheme prepared by the state Government (Undertaking to be enclosed).

The required undertaking along with additional undertaking is enclosed in Annexure – IV

5. Details of certificates/Documents enclosed as required under the instructions.

Annexure-I	: Project location
Annexure-II	: Joint inspection report comprising details of land
Annexure-III	: Map showing the required forest land, boundary of Adjoining forest on a 1:25,000 scale map
Annexure-IV	: Undertaking to bear the cost of raising & maintenance of Compensatory afforestation
Annexure-V	: Environmental impact assessment (EIA) report
Annexure-VI	: Environmental impact plan (EIP) report
Annexure-VII	: Justification for requirement of forest land for the Project.

Signature:

(Name in Block Letters): **KRISHNA BDR. GURUNG**

Designation: **Sr. ASST. GENERAL MANAGER**

Address (of User Agency): Shiga Energy Pvt. Ltd. 2<sup>nd</sup> Floor, Rabdenling, Annex-II Adjoining Royal Plaza Upper Shyari, Gangtok-737101

Date:

Place:

State Serial No. of Proposal: .....

(To be filled by Nodal Officer with date of receipt)