

CHECK LIST -4

Construction of Full Title of the project:- Construction of Micro Hydel Project Baagi (100KW)

File No. :

Date of proposal:

NAME OF WORK/PROPOSAL:- Construction of Micro Hydel Project Baagi (100KW)

Constituency: Mandi

Location: Baggi Tehsil Sadar Distt. Mandi H.P.

Micro Hydel Project Baagi

Micro Hydel Project Baagi 100KW is scheme for production of hydro power on ChalaharNalla a tributary of Uhl River power project is located approximately 45 Km. from Mandi town. This is about 200 Km. from Shimla. The weir site and powerhouse site are located at right bank of ChalaharNalla. The Micro Hydel Project Baagi (100KW) is located on the right bank of the river Chalahar in Mandi Distt. of Himachal Pradesh having longitude 77°04'15.4"East of Greenwich and latitude 32°47'06.60"North for weir.

The project is located between Elevation 1590 mtr. To Elevation 1510 mtr. On the Chalahar Stream in Distt. Mandi Himachal Pradesh, tributary of uhl river. The discharge of water will be diverted through a trench weir diversion structure from Chalahar Nalla and will be taken through a pipe system to desilting cum forebay tank. The desilting cum forebay tank associated with silt flushing arrangements will desilt silt particle above size if 0.20mm. A steep penstock emerging from the side wall of the forebay shall be placed in the trench excavated on the hill slopes overlooking the power house feed the two pelton turbines kept inside powerhouse located on a suitable terrace. The water after being utilized for generating shall be diverted back into the Chalahar Nalla through a tail race duct. The locations of all the components of the scheme have been selected in such a way that natural forest, hill and overall environment of the area is minimum disturbed.

The proposal also meets with the requirement directions issued by the Nodal Officer cum CCF (FCA), H.P. which require common transmission line for all the power projects in one river basin in this proposal. The transmission line of the project in joint mode with 100 m. from where it goes evacuated to Substation.

No. of villages & persons to be benefited:

Project nearby area has scattered and thinly populated near by the project. The population of the village is approximately 100 .Since a very little crop is available in the village and families do not depend upon agriculture hence many of them will get jobs in the project on the basis of their capabilities. During peak nearly 30 labors and 18 skilled man power is required in the project. Most of the requirement would be satisfied through the nearby village as per the interest/ skill.

Project Objective:

In Himachal Pradesh quite a few mini and micro hydro power stations were installed during the pre-independence era. But, thereafter greater emphasis was placed on large project so the smaller ones were neglected to a certain extent.

This project has been contemplated over the ChalaharNalla to generate 100 KW of power. It is proposed to supply this power to HPSEBL grid to 22 Kv..... This power can be used locally which will avoid long transmission losses and ensure uninterrupted and assured supply to the local population.

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