

Justification for locating the project in forest area

The proposed Luhri HEP stage-1 is essentially a run-of-the River project on the Downstream of Rampur HEP. The Project envisages construction of 80m high concrete Dam located at Nirath, River diversion Tunnel 567m long, intake structure comprising of four (04) no. intakes & four (04) no. of penstocks are proposed in the dam body itself. Surface toe power house on right bank with 4 Nos. Kaplan Turbines has been proposed with installed capacity of 210 MW (2 x 80 MW + 2x25 MW) to generate 758.20 MU of design energy.

Various proposals were considered for harnessing the available potential for LHEP. After considering the various proposals of Dam, HRT and Power House in LHEP, the present scheme with dam and Toe Power House at Nirath has been considered as the most viable proposal for LHEP Stage-1 from environmental, social and economical aspects. Efforts have been made to reduce the forest land as far as possible in the present proposal. More than 50 hect. of private land has already been considered wherever possible for execution of this project. The detail of private land is also appended in this proposal.

It is pertinent to mention here that the components of a hydro electric project are eventually to be finalized as per the geological conditions of the area and cannot be shifted. Therefore, Dam, Diversion Tunnel and Toe power house have to be fixed as per the topography and geology of the area. But still where ever possible various project components like dumping areas and offices have been proposed to be located in private land.


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