

FULL TITLE OF THE PROJECT:- CONSTRUCTION OF SIUL-IV 4MW SHEP IN TEHSIL SALOONI**DISTT CHAMBA (H.P.)****CHECK LIST SERIAL NUMBER -10****JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA**

The SIUL-IV SHEP (4MW) is a Non linear project and all possible steps have been taken to avoid the alignment through Forest area. In case where it becomes unavoidable due to geography of the terrain, the alignment is made in such a way that the all components of the project coming in the forest area is the barest minimum, however the forest and private land have been traversed through as required at most necessary. The small hydro project is environmentally friendly and do not involve any disposal of soil effluents and hazardous substance of land.

During the course of joint inspection three (3) alternates' alignments examined by the committee as proposed by the project authorities and found that all the alignments need to pass through the forest land as well as through private land.

The project requires 8.0678Ha. of forest land 1.2687Ha out of private land required for the contraction of Siul-IV Small Hydro Electric project (4MW) on Siul Nallah for various Project components such as weir site, intake tank, water conductor system, Desilting Tank, Dumping Sites, Tunnel, FourBay, Penstock, Power House, Switch Yard, some portion of approach road and transmission line siul -IV power house to swich yard of Siul -2 project.

In Alternative-1 All the project components which have been proposed for construction on the left bank of Siul river as the technical feasibility. While the some part of transmission line constructed on right bank of river siul requires minimum use of forest land. Forest area required is 8.0678Ha and minimum no of trees involved

In Alternative -2 All the project components which have been proposed for construction on the right bank of Siul river. In this proposal the length of tunnel increases by 350 meters which will be increases the requirement of forest land. From alternative-1 the forest land required will increases by about .1050 Ha more than the alternative -1.

In Alternative -3 The one of the project component water conductor system of the project is proposed as open channel. This option will also increase the required area under forest land as well as no of trees from the alternative -1. The forest land required will be increase up to 15% more than the alternative -1 i.e. the forest area will be about .1500Ha more than the alternative-1

The alignment of Alternative1 has been finalized as the most preferred and suitable alignment by the committee of SDM, DFO and other revenue & forest officials, after site inspection as it involves minimum no of tree in its alignment. It is further stated here that Alternative2 and Alternative3 have also been explored but both the Alternatives are involving more no of trees as alternative -1 as well as more forest land and are technically unsuitable.

Keeping in view the above aspects and technical requirements for the construction of above project coupled with the consideration of diverting the minimum forest land and other environmental factors, the requirement of forest land (8.0678Ha.) appears to be quite reasonable and it is minimum. The diversion of the above forest land is un-avoidable for the construction of the project under proposal. There is no public utility scheme on the area purposed for the diversion or going to be effected due to the diversion of this forest land.

Dated 28-7-2018

Place. Salooni

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