

ANNEXURE 15
SEW NEWMELLING POWER CORPORATION LTD.
NEW MELLING H .E. PROJECT (90MW)

Note on the Alternative sites considered

New Melling H E Project is proposed to be developed in River Mago Chu in Jang subdivision under Social forestry Range Jang and Social Forestry Division Tawang in Tawang district. The major factors kept in view during preparation of the layout include , the geology of the alternative locations, availability of adequate storage in the reservoir required for peaking, stability of the structure, submergence, requirement of forest land etc. and the following alternatives have been evaluated.

Alternative for Barrage Location

Initially, a diversion dam across Mago Chu about 7.36km upstream of confluence of Mago Chu and Nyukcharong Chu was proposed. Due to non-availability of sufficient bedrock, the same was not considered. Another alternative site for Barrage located at about 870 m upstream of the above Dam axis was selected and explored. Finally a barrage has been adopted as diversion structure, as deep overburden exists in the river bed.

Alternative for HRT

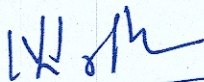
The HRT alignment has been fixed on the right bank of the river as the power house is also on the right bank of the river. Moreover, the left bank has steep slopes and the area is inaccessible in most of the reaches. The HRT alignment crosses four Nallas, but, there is sufficient rock cover available above HRT.

Alternative for Power house:

As there is no space available for surface power house, underground power house has been proposed. Entire power house area would fall under the very good to fair rock mass of Class I, II & Class III.

On examining all the options, the present location is more technically viable, requiring less forest area and yielding optimum power potential, within the levels allotted and hence finally selected. Every care has been exercised to limit the requirement of forest land to bare minimum. Copy of the map showing the alternatives considered is enclosed as **Annexure 15A**

Signature:



Name: Jayaprakash N.,

Designation: Business Associate.

SEW New Melling Power Corporation Ltd.,

6-3-871, Snehalata, Green lands Road,

Begumpet, Hyderabad - 500016, Telangana state.

E mail: sewnewmelling@sewinfra.com

Phone: 040-23402153, 23403273, 09447740422.

