

ANNEXURE 15

SEW MAGO CHU POWER CORPORATION LTD.

MAGO CHU H.E. PROJECT (96MW)

ALTERNATE SITES CONSIDERED

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

Three alternative barrage sites have been considered for development of project layout. Alternative-1 on Mago Chu at approximately 2.7 km upstream of the confluence of Nyukcharong Chu & Mago Chu, another location (Alternative-2), approximately 420m upstream of Alternative-I and third location (Alternative-3), approximately 40 m upstream of Alternative-2 were studied and explored by drilling for proper evaluation. After evaluation of the Alternatives 1, 2 & 3, Alternative 3 has been finally selected as the Barrage Axis as it provides better location and head available for power generation is maximum. From the field observations of Alternative-3 location, it appeared possible to provide a surface Desilting basin instead of Underground Desilting Chambers and the same has been proposed in the project development.

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 mostly 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 Land** and yielding optimum power potential, within the levels stipulated in the MoA, 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 Mago Chu Power Corporation Ltd.,

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

Begumpet, Hyderabad - 500016, Telangana state.

E mail: jayaprakash.natesan@sewinfra.com,

Phone: 040-23402153, 23403273, 09447740422.

