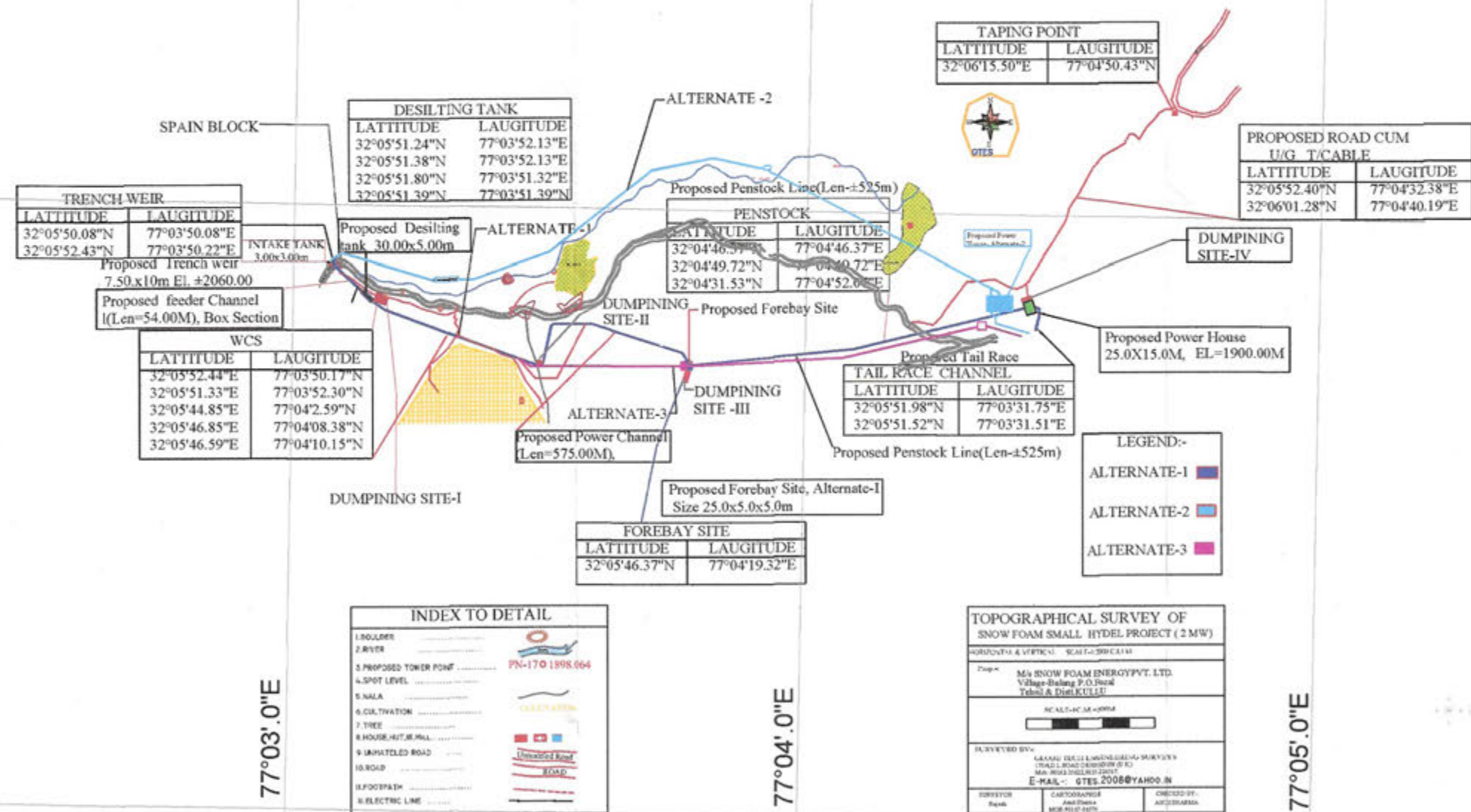


32°07'0"E

TOPOGRAPHIC VIEW OF THE PROJECT AREA
ALTERNATE PLAN OF SNOW FOAM ENERGY PRIVATE LTD.2.00MW,
TOPO SHEET NO 52 H/4
ALTERNATES -1,2,3

32°06'0"E



77°02'0"N

32°05'0"E

77°03'0"N

77°04'0"E

77°05'0"E

ALTERNATE LAYOUT PLAN

Range Forest Officer
Patlikuh Forest Range

Divisional Forest Officer
Kullu Forest Division Kullu

for Snowfoam Energy Pvt. Ltd.
Authorised Signatory

SNOWFOAM ENERGY PRIVATE LIMITED

House No. 99, Ward No. 8, Dhalpur, Kullu – 175101

Email: gangananna@gmail.com

PH. 01902 222120

Full Title of the Project: Diversion of 0.5948 Ha. Of Forest land for Construction of Hamshu-1
SHEP 2.00 MW, Tehsil Kullu Forest Division at Distt.Kullu (HP)

File No. :

Proposal No. :

Date of Proposal :

ALTERNATIVES EXAMINED AND REASONS

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum forest area i.e. 0.5948 hectare proposed for diversion for the construction of Hamshu-I SHEP 2.00 MW at village Pharari District Kullu. Three alternatives have been considered for this project and adopted alternative uses minimum forest land and details are as under:

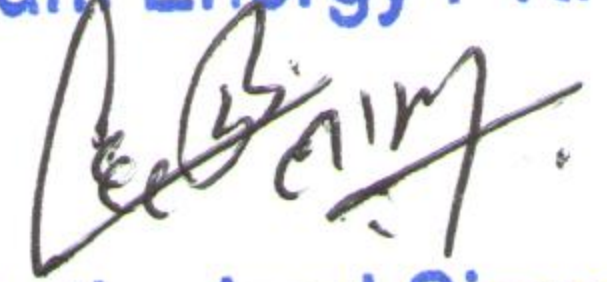
Various Alternatives for the Project

Alternative-I Proposed

This is left bank and right bank alternatives in PharariNala. The alternative involves construction of diversion structure at El 2058 m on PharariNallah. The water conductor shall consist of conveyance channel, surface Desilting tank. Steel power pipe channel 1262m long and surface penstock and s surface power house, located at an El 1900 m. on the left side of the PharariNallah. The gross head available for power generation shall be around 160m. In this alternative, net head is slightly more than other alternative due to lesser length of water conductor system leading to higher annual generation of energy. This alternative was proposed earlier and Techno-economic clearance for it was accorded. In this alternative water conductor passes through cultivable land in many reaches and the local people are now refusing to give their land for the project. Lesser land is required in this alternative and dispute with local people in this alternative has been minimized environmentally and financially and this scheme is better than other alternative. The details of trees etc are per our Proposed 1st Alignment for the Project.

No. of Trees	Sapling	Total	Volume in Meter Cube	Land
24	25 Nos.	24	21.51	0.5948

for Snowfoam Energy Pvt. Ltd.


Authorised Signatory

Alternative-II Not Proposed

This alternative is on the right & Left bank of PharariNallah. In this alternative all the required is 1.6311 Hect. Which is extra than the 1st alternative. Moreover the land near proposed forebay and power house is slided portion where the construction of these components would be very difficult. IN this alternative more forest area and larger number of trees are coming. So this alternative is not better than the 1st alternative at all.

No. of Trees	Sapling	Total	Volume in Meter cube	Land
26	35	26	21.91	1.6311 hec.

Alternative-III: Not proposed

In this alternative the PharariNallah gas be joined with Pharari intake and length of Power channel to forebay also increasing near about 1.350m and total land required for this alternate 1.6811 hectare which is more then the 1st alternative.

No. of Trees	Sapling	Total	Volume in Meter cube	Land
29	39	39	22.51	1.6311 hec.

Therefore, alternative-1 which involves less forest area and lesser number of trees has been chosen for the layout of the project. This alternative is environmentally better than other two alternatives.


Range Forest Officer
Patlikuhai Forest Range

for Snowfoam Energy Pvt. Ltd.


Snowfoam Energy Pvt. Ltd.
Hamshu-I SHEP 2.00 MW

Countersigned By:-
Divisional Forest Officer
Kullu Forest Division Distt Kullu
H.P.