

Report No. 55 / TFO-U (Dis)-Rehabilitation/2013-14

**RECONNAISSANCE GEOLOGICAL REPORT OF PROPOSED SITE OF SHRI BHAGESHWAR PRASAD SEMWAL S/O LATE VISHAMBHAR DUTT FOR THE CONSTRUCTION OF PREFABRICATED HOUSE**

**VILLAGE LADADI, TEHSIL- BHATWARI- DISTRICT UTTARKASHI, UTTARAKHAND**

**KHASARA NO - 696 & AREA - 0.063 ha.**

**DATE OF INSPECTION- 09/12/2013 and 12/12/2013**

The inspection of the site was carried out as per speaking order of District Magistrate. It was carried out in the presence and co-operation of Ranbir Singh Panwar, Revenue Sub-Inspector. Shri Vijai Kr. Sen, Consultant Geologist and Shri Shashank Sharma, Consultant Associate Geologist assisted in collection of required field data. The proposed site falls in Village Ladadi (Near Akashvani Colony), Tehsil- Bhatwari, 3 Km approx from District Headquarter Uttarkashi, Uttarakhand and on coordinate -N 30° 43.587' E 78° 26.104' elevation 3834 feet vertical distance with respect to river bank is 150-200 m approx and horizontal distance is 500 m approx. The approach to the site is 35 m from Ladadi-Bhelura Motar marg on the left bank of river Bhagirathi and is about 150 m approx distance from the river bank. There is a temporary boundary wall on one side of the proposed site. The area is densely populated.

The terrace is old alluvium deposit. The proposed site is on river born material (RBM) with a overburden hump of approx 3 m at the back side. A massive boulder of 4-5 m approx is embedded deep in the soil in a side of the proposed site having a dip direction of N 5° W and dip angle 32°. The area shows little vegetation cover, flat land with a gentle slope and a thin soil cover with small rounded to sub-rounded rock matrix.

**RECOMENDATIONS**

1. At the back side of the proposed site a inclined retaining wall of 2 m height and 5 m length with provisions of weep holes, at specific distances, should be constructed.
2. Drainage within premises should be cemented to avoid water percolation alongwith channels have to be developed properly to discharge rain water from uphill side.

**CONCLUSION**

The proposed site of Shri Bhageshwar Prasad Semwal S/o Late Shri Vishambhar Dutt is geologically suitable for construction of prefabricated house with the implementation of above mentioned recommendation.

**Date: 13/12/2013**

**Place: Camp Ladari, Uttarkashi**

  
D.S.Chand

Assistant Geologist

Mob: 8192802331

Email id: [agddn-dgm-uk@nic.in](mailto:agddn-dgm-uk@nic.in)