

Report No. 59 / TFO-U (Dis)-Rehabilitation/2013-14

**RECONNAISSANCE GEOLOGICAL REPORT OF PROPOSED SITE OF SHRI KARAN SINGH
S/O SHRI BHOPAL SINGH FOR THE CONSTRUCTION OF PRE-FABRICATED HOUSE
TOK MATHIYAN, VILLAGE KISHANPUR, TEHSIL- BHATWARI- DISTRICT UTTARKASHI,
UTTARAKHAND**

KHASARA NO - 515 AREA - 0.015 ha.

DATE OF INSPECTION- 10/12/2013

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 D.P. Nautiyal, Revenue Sub-Inspector. Shri Vijai Kr. Sen, Senior Consultant Geologist assisted in collection of required field data. The proposed site falls in Village Mathiyan, Tehsil- Bhatwari, 18 Km approx from District Headquarter Uttarkashi, Uttarakhand and on coordinate - N 30° 41.647' E 78° 29.929' elevation 5866 feet. The approach to the site is 250 m approx from Kishanpur motar marg through bridle path on the left bank of river Indravati and is about 180 m approx distance from the Indravati river bank. The proposed site is highly populated. It is in the area which has been developed within last 3-4 years only and thus is moderately populated.

The terrace is old alluvium deposit. At the site there is no exposure of in-situ rock found but massive quartzite boulder with small fragments are seen along the proposed site. The proposed site is 150 m away from the mountain region. The area shows little vegetation cover, flat land and thick soil cover with soil matrix having small fragments of quartzite.

RECOMENDATIONS

1. A retaining wall with a good foundation in the toe as well as in the back side with provisions of weep holes, at specific distances, should be constructed.
2. The site showing unconsolidated upper lying layer, that's why the depth of the foundation ought to be estimated accordingly, for the sustainable foundation of the pre-fabricated house.

CONCLUSION

Prima-facie, the proposed site of Shri. Karan Singh S/o Shri. Bhopal Singh is geologically suitable for construction of prefabricated house with the implementation of above mentioned recommendation, before the onset of monsoon.

Date: 13/12/2013

Place: Camp Ladari, Uttarkashi

g/w
13/12/2013
D.S.Chand

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