

RECONNAISSANCE GEOLOGICAL REPORT OF PROPOSED SITE OF SHRI KISHAN SINGH S/O SHRI SHANKAR SINGH FOR THE CONSTRUCTION OF PRE-FABRICATED HOUSE

VILLAGE KROLL TEHSIL- BHATWARI- DISTRICT UTTARKASHI, UTTARAKHAND

KHASARA NO - 803, AREA - 0.010 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, Consultant Geologist collected the required field data. The proposed site falls in Village Kroli, Tehsil- Bhatwari, 20 Km approx from District Headquarter Uttarkashi, Uttarakhand and on coordinate - N 30° 42.859' E 78° 28.692' elevation 6037 feet. The approach to the site is 1.5 km approx from Kroli motar marg through bridle path on the right bank of river Indrāvati and is about 400 m approx distance from the bank of river. The proposed site is less populated.

The terrace is old alluvium deposit and overburden material. At the site there is no exposure of in-situ rock found. The site location is, a consolidated landmass and the downhill slope is dipping southwards with a dip of 47°, at 100 m downhill side. A small Nala 'Vadaan', is 25 m away from the site which is seasonal in flow. No landslide history since last 45 years.

The area shows little vegetation cover, flat land and thick soil cover with soil matrix having small fragments of quartzite.

RECOMENDATIONS

1. Retaining wall at the toe of the proposed site with a good and deep foundation is recommended to future stability of the proposed site as well as that of nearby houses.
2. To manage the surface and sub-surface water, a proper drainage control system has to be developed.

CONCLUSION

Prima-facie, the proposed site of Shri. Kishan Singh S/o Shri. Shankar 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

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