

Report No. 62 / TFO-U (Dis)-Rehabilitation/2013-14

**RECONNAISSANCE GEOLOGICAL REPORT OF PROPOSED SITE OF SHRI SARAD SINGH
S/O SHRI BHAWAN SINGH FOR THE CONSTRUCTION OF PRE-FABRICATED HOUSE
VILLAGE JESTHWARI, TEHSIL- CHINYALISAUR- DISTRICT UTTARKASHI,**

UTTARAKHAND

KHASARA NO - 286

AREA - 0.028ha.

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 Smt. Laxmi Rana Revenue Sub-Inspector. Shri Kailash Chandra Sati, Senior Consultant and Vivek Sahu, Associate Consultant Geologist assisted in collection of field data. The proposed site falls in Village Jeshthawari, Tehsil- Chinyalisaur, 63 Km approx from District Headquarter Uttarkashi and on foot about 40 m uphill side on Dharasu-Banchauri Motor road. The geographical location shows by coordinate - N 30°37'59" E 78°14'53.6" with elevation about 1470 m from msl.

In the area the in-situ rocks are dominantly phyllitic exposure of grey colour. The outcrop is moderately weathered, moderately jointed and blocky rock mass. The proposed site is covered by overburden having thin layer of soil with sub-angular to angular fragments of phyllite of varying size from 2-10 cm in soil matrix with poor vegetation cover on it. The detailed structural component of the in-situ rock is as follows:

Dip Direction of the In-situ rock- N 50° E

Dip amount of In-situ rock- 42°

There were 3 prominent joint sets with orientation direction as N 50° W, S 30° W, N 50° W and a random joint set and with joint spacing varying from 30-60 cm. The rocks are blocky and thinly foliated.

The proposed site is on in-situ rock. The proposed site is flat man made land on slopes with 75°-80° uphill slope and 65°-70° downhill slope, sloping in N 20° E.

RECOMENDATIONS

1. A RCC wall of atleast 10 m length and 3 m height approx with a foundation on in-situ at the hill side and downhill side of the proposed site is strongly recommended.
2. Proper drainage control channels have to be developed for flow of surface and sub-surface water discharge.

CONCLUSION

Prima-facie, the proposed site of Shri. Sarad Singh S/O Shri. Bhawan Singh is geologically suitable for construction of prefabricated houses with the implementation of above mentioned recommendation before the onset of monsoon.

Date: 11/12/2013

Place: Camp Ladari, Uttarkashi

d/v
11/12/2013
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