

Report No. 56 / TFO-U (Dis)-Rehabilitation/2013-14

RECONNAISSANCE GEOLOGICAL REPORT OF PROPOSED SITE OF SHRI KAMAL SINGH ASWAL S/O SHRICHAND SINGH FOR THE CONSTRUCTION OF PRE-FABRICATED HOUSE

TOK- LADAI SERA, TEHSIL- BHATWARI- DISTRICT UTTARKASHI, UTTARAKHAND

KHASARA NO - 316 and AREA - 825 m² (4 NAALI 2 MUTTHI)

DATE OF INSPECTION- 09/12/2013

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 Shri 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 Tok- Ladai Sera, Tehsil- Bhatwari 2 Km approx from District Headquarters Uttarkashi, Uttarakhand and on coordinate - N 30° 43.739' E 78° 26.71' elevation 2569 feet. The approach to the site is 60 m from Uttarkashi-Lambgaon Motar marg, on the left bank of river Bhagirathi, at about 80-100 m approx. In back side of the proposed site there is a concrete boundary wall. The area is densely populated. On the left bank of river Bhagirathi embankment work is already in progress. 10-15 m vertical triple story building already exist between proposed site and river.

The terrace is old alluvium deposit. The river morphology shows headward erosion of the existing terraces by meandering of Bhagirathi river. The plot is almost a flat, old river born material. It is approximately 100m on the left bank of the Bhagirathi river. That location is covered with thin alluvium soil with rounded small fragments of rocks. There is no prominent drainage pattern found.

RECOMENDATION

In the left bank of the Bhagirathi river near the proposed site to stop the lateral erosion, below the base level of erosion construction of RCC and CC structure in approx 100 m length in the convex portion of the river is immediately required to reduce vulnerability of the proposed site for construction of pre-fabricated house. It will also serve useful for the nearby houses.

CONCLUSION

Prima facie, the proposed site of Shri Kamal Singh Aswal S/o Shrichand Singh is geologically suitable for construction of prefabricated house when implementation of above mentioned recommendation is strictly followed before the onset of monsoon.

Date: 13/12/2013

Place: Camp Ladari, Uttarkashi

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13/12/2013
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