


भू-संरक्षण का प्रमाण-पत्र

परियोजना का नाम :- जनपद पौड़ी गढ़वाल के अन्तर्गत अरकनी-खन्दूखाल-मुछियाली मोटर मार्ग के कि०मी० 8 मटाखाली से कोल्टा-मुछियाली होते हुये ग्राम उत्तरासू देवलगांव तक मोटर मार्ग का निर्माण कार्य।

प्रमाणित किया जाता है , कि उपरोक्त मोटर मार्ग निर्माण के दौरान भू-वैज्ञानिक द्वारा बताये गये भू-संरक्षण के उपायों का अनुपालन किया जायेगा।



सहायक अभियन्ता
निर्माण खण्ड, लो० वि० वि०
श्रीनगर (गढ़वाल)

अधिसूचक अभियन्ता
निर्माण खण्ड लो० वि० वि०
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(11)

Geological Report of the proposed road from 8rd km of Arkani-Khandukhal-Muchhiyali road upto Utarasu via Kolta-Muchhiyali

PWD Construction Division, Pauri has proposed a 8.750km road from 8rd km of Arkani-Khandukhal-Muchhiyali road upto Utarasu via Kolta-Muchhiyali. As requested by Er. K. S. Rawat, A. E., PWD Division, Srinagar, I carried out Geological investigations of the proposed road on 24th November 2013 in presence of Er. Ashtwal, J. E.

General Geological Condition:

Geologically the investigated the area comes under the Lesser Himalayan terrain. The proposed alignment falls between 800 to 700 meters a.m.s.l. The major ridge present in this area is roughly trending in E-W. At right angle to the main ridge, numerous secondary and tertiary spurs intersect the area showing highly dissected topography. The general slope is north facing.

Rock types:

Lithologically, the area is constituted by phyllites of Upper Proterozoic age. The highly fractured and shattered rocks are testimony of active tectonics in the region. Numerous local faults are also visible in the area. The steep slopes and rugged topography of the region indicate that the area is neotectonically active. Four sets of joints are prominent in the rocks. The trend of Phyllites at starting is 45° due W.

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Detailed investigation of the alignment and suggested corrective measures are as:

- The proposed alignment will be bifurcated from 8th km of Arkani-Khandukhal-Muchhiyali road.
- Most of the proposed alignment goes through cultivated/Panchayat or Civil Lands.
- The slope is very gentle and hence favourable for road construction.
- At the starting of the alignment the slope is gentle and the orientation of the rocks favours the stability of the slope. Hence the road construction is safe.
- There is no HP bend proposed on the alignment.
- A small segment of the road is proposed through the village panchayat forest. It is recommended that the muck disposal at this segment should be ensured with an efficient management so that the damage to the forest be minimum.
- The road alignment should be constructed with a minimum grade 1:24 or higher.
- Proper drains and parapet / scrubbers walls at appropriate locations be constructed as per norms of hill side road safety.

The proposed section of the road may be geologically safe provided the construction agency (PWD) take care of the above-mentioned corrective measures. Suggestions may be sought in future if problem arises at some point.

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