

प्रारूप-33

परियोजना का नाम :- जनपद पौड़ी गढ़वाल के विधानसभा क्षेत्र श्रीनगर के अन्तर्गत देहलचौरी-पौड़ी मोटर मार्ग से चामापानी-धौलकण्डी होते हुये कांडा मन्दिर तक मोटर का निर्माण कार्य।
(लम्बाई 5.000)

भू-वैज्ञानिक की आख्या

(प्रस्तावित स्थल की भू-वैज्ञानिक द्वारा निर्गत अद्यतन निरीक्षण आख्या प्राप्त कर संलग्न की जाय।)

:-भू-वैज्ञानिक आख्या संलग्न

ह0/-
(भू-वैज्ञानिक)
नाम व मुहर सहित

Geological report of proposed road for Kanda Temple via Champani-Dhaulakandi from 6th km of ^{Ufaldia}Dehalchauri-Pauri road

PWD Division, Srinagar proposed a 5.0 km road for Kanda Temple via Champani-Dhaulakandi from 6th km of ^{Ufaldia}Dehalchauri-Pauri road. As requested by Er. Dhyani, A. E., I carried out Geological investigation of the proposed road on 18th May 2014 in the presence of Er. Dhyani, AE. And Er. Sonam ~~Report~~ JE.

General Geological Condition:


Geologically the investigated the area comes under the Lesser Himalayan terrain. The proposed alignment falls between 900 to 1200 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-East to North-West 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. Phyllites are thinly bedded and tightly folded. Four sets of joints are prominent in the rocks. The trend of phyllites at starting is 30° due SW.



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

1. The proposed alignment will be bifurcated from sixth km of Dehalchauri-Pauri Road.
 2. Most of the proposed alignment goes through cultivated or civil land.
 3. At the starting of the alignment, the slope is unstable with full of loose old landslide deposits.
 4. At this stretch of about 300m, the road should be made with proper ^{breast} and retaining walls.
 5. The first and IInd HP bends are proposed just at 1st km. It is advised that the space be made by construction of breast wall from down slope side and no cutting should be done in the upslope side as it will cause serious instability to the slope. Though the sites are proposed at gentle slopes.
 6. IIIrd and IVth HP bends are proposed at 2nd km of the alignment. The sites are at cultivable field. Proper ^{breast} and retaining walls are advised in order to ensure the stability of the slope.
 7. At fifth km, a small bridge of about 6 m is proposed on a local nala. The site is safe for the bridge.
 8. The 5th, 6th and 7th HP bends are proposed at the end of 5th km. The sites are on the cultivable fields but still proper breast and retaining walls are made to ensure proper stability for the slope.
 9. As most of the slope in general is not on the firm bedrock, Hence it is advised that proper muck management is ensured and it should not be disposed in the down slope.
 10. To avoid slope sinking due to seepage, proper drainage management must be ensured.
 11. Most of the alignment will pass through either cultivable fields or gentle slope hence the alignment is geologically safe provided hill side road code of conduct during construction are followed.
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12. The road alignment should be constructed with a minimum grade 1:24 or higher.
13. 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.


19.5.14

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प्रारूप-34

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भू-वैज्ञानिक की संस्तुतियों/सुझावों का अनुपालन किये जाने का प्रमाण-पत्र

प्रमाणित किया जाता है कि विषयगत परियोजना के निर्माण हेतु भू-वैज्ञानिक द्वारा दिये गये सुझावों/संस्तुतियों का अनुपालन सुनिश्चित किया जायेगा।

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