

कार्यालय अधिशासी अभियन्ता
अस्थाई खण्ड, लो०नि०वि०, सहिया

Office of the Executive Engineer, Ty.Divi., PWD,Sahiya,Dehradun Uttarakhand

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पत्रांक-: 224/सहिया
सेवा में,

दिनांक 23/02/2022

प्रभागीय वनाधिकारी
चकराता वन प्रभाग
चकराता,

- विषय-:** जनपद देहरादून के विधान सभा क्षेत्र विकासनगर के ग्राम हरीपुर से मुख्य मार्ग जु०हा० स्कूल की ओर सड़क के निर्माण हेतु 0.1134 हे० वनभूमि का गैर वानिकी कार्यों हेतु लोक निर्माण विभाग को प्रत्यावर्तन किये जाने के सम्बन्ध में। (Online no. FP/UK/Road/146873/2021)
- संदर्भ-:** 1: अपर प्रमुख वन संरक्षक एवं नोडल अधिकारी, वन संरक्षण इन्दिरानगर फॉरेस्ट कालोनी, उत्तराखण्ड देहरादून का पत्रांक सं० 288/FP/UK/Road/140644/2021) दिनांक 29.07.2021
2: आपका ई०डी०एस० दिनांक 06.09.2021

महोदय,
उपरोक्त विषयक /संदर्भित पत्र के द्वारा लगाई गई आपत्तियों का निराकरण कर आपको अग्रिम आवश्यक कार्यवाही हेतु प्रेषित है।

क्र० सं०	आपत्ति	निराकरण
1-	प्रस्ताव की हार्ड प्रति में संलग्न संयुक्त निरीक्षण रिपोर्ट में उल्लेखित किया गया है कि शासन द्वारा स्वीकृत 0.625 किमी० लम्बाई में से 0.39 किमी० पूर्व में ही निर्मित है तथा शेष 0.436 किमी० लम्बाई में वन विभाग की भूमि में 3.60 मी० चौड़ाई में ट्रैक बना हुआ है। स्पष्ट किया जाए कि क्या उक्त पूर्व निर्मित मार्ग हेतु क्या वन संरक्षण अधिनियम 1980 के द्वारा अनुमति प्राप्त की गयी है। यदि प्राप्त की गयी है तो स्वीकृति के आदेश की सत्यापित प्रति प्रस्ताव में संलग्न किया जाए।	उक्त मार्ग के प्रारम्भ 0.39 किमी० लम्बाई खसरा न० 201 के अंतर्गत आता है, उक्त मार्ग वनभूमि के अन्तर्गत नहीं है।
2-	प्रस्ताव में भू-वैज्ञानिक की रिपोर्ट संलग्न नहीं की गयी है।	संलग्न कर दी गयी है।
3-	प्रस्ताव में वन संरक्षण अधिनियम 1980 का उल्लंघन न किये जाने का प्रमाण-पत्र संलग्न नहीं की गयी है।	इस खण्ड से सम्बन्धित नहीं है।
4-	प्रस्ताव में संलग्न भाग-2 के बिन्दु संख्या 7.VI में हरियाली का घनत्व अंकित नहीं किया गया है। इसके अतिरिक्त कई स्थानों पर कटिंग की गयी है जिसे हस्ताक्षरित नहीं किया गया है।	इस खण्ड से सम्बन्धित नहीं है।

सम्बन्धित आपत्तियों का निराकरण करते हुये बिन्दुवार अपलोड कर दिया है पत्र अग्रिम आवश्यक कार्यवाही हेतु प्रेषित किये जा है।

पत्रांक-:

प्रतिलिपि 1-

अपर प्रमुख वन संरक्षक एवं नोडल अधिकारी वन संरक्षक देहरादून को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

दिनांक / /2022

अधिशासी अभियन्ता,
अ०ख०, लो०नि०वि०,
सहिया,

कार्यालय प्रमुख अभियन्ता एवं विभागाध्यक्ष
उत्तराखण्ड लोक निर्माण विभाग,
देहरादून

भू-गर्भीय निरीक्षण आख्या ए0जी0- 462 सड़क/पुल/सम्प्रेषण/उत्तराखण्ड/गढ़वाल-2020

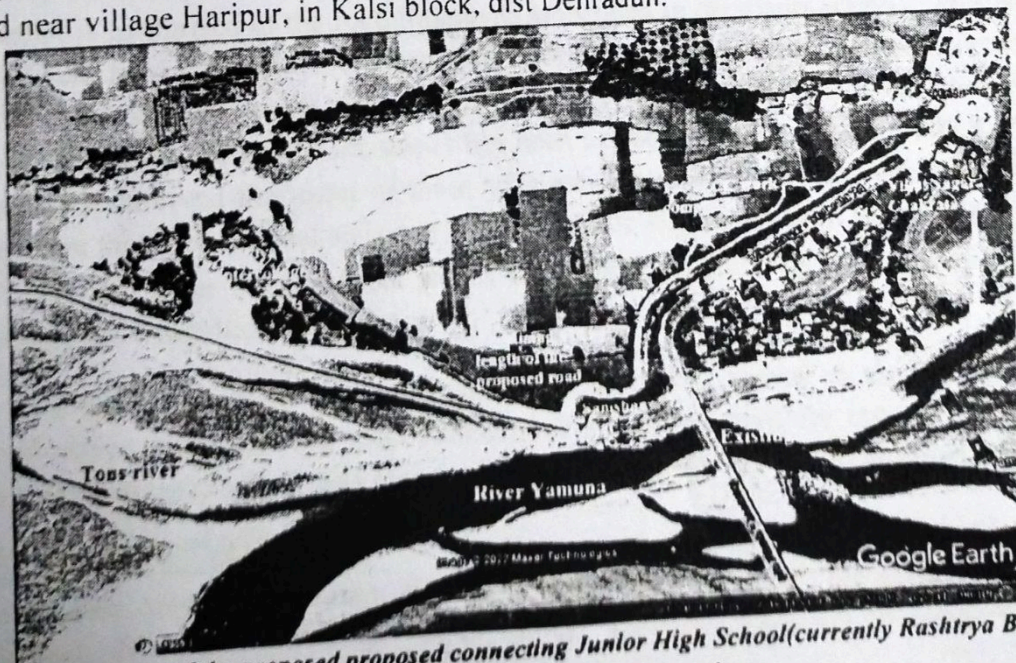
Geological assessment of the alignment corridor proposed for the construction of 0.435 km(sanctioned length=0.825 km) long m/r joining Junior high school(rashtrya balika Intercollege, Kalsi) to the main road near village Haripur situated over the right bank of river Yamuna, in Kalsi block, dist. Dehradun

17 जनवरी 2022

Geological assessment of the alignment corridor proposed for the construction of 0.435 km (sanctioned length=0.825 km) long m/r joining Junior high school (Rashtrya Balika Intercollege, Kalsi) to the main road near village Haripur situated over the right bank of river Yamuna, in Kalsi block, dist. Dehradun

1- Introduction:- The Temporary Division, Public Works Department, Sahiya vide G.O. no.- 5109(1)/III(02)/11-11/M.L.A/2011 dated 15.11.2011 has been instructed for the construction of 0.825 km long motor road joining Junior High School (currently Rashtrya Balika Intercollege, Kalsi) to the main road near village Haripur situated over the right bank of river Yamuna, in Kalsi block, dist. Dehradun. The work of survey and CC work over 120 m falling over naap land for the above mentioned road has been carried out where it originates from the main road in the downslope direction. The remaining stretch of 315 m falls over the forest land for which geological assessment report was needed. With reference to the letter no. 28/ICB dated 05.01.2022, Er. Pratyush Kumar requested to the undersigned for the geological assessment for the above mentioned alignment in response to which I carried out the same on 07.01.2022 in the presence of Er. Priyanka Singh, Junior Engineer, T.D, PWD, Sahiya, dist. Dehradun

2- Location:- The alignment corridor proposed for the above mentioned remaining 315m m/r originates from the end of 120 m long CC road along the right bank of river Yamuna which ultimately connect to Junior High School (currently Rashtrya Balika Intercollege, Kalsi) to the main road near village Haripur, in Kalsi block, dist Dehradun.



Google earth view of the proposed proposed connecting Junior High School (currently Rashtrya Balika Intercollege, Kalsi) to the main road

[Signature]
सहायक मू-वैज्ञानिक
कार्यालय मूल जिला एवं विभाग
लेख वि. वि. देहरादून

3- Geological Assessment:-

Geologically the site proposed for the above mentioned m/r falls in a part of the Outer/Sub Himalayan Belt tectonically bounded between the Main Boundary Thrust (MBT) in the North and Himalayan Frontal Fault (HFF) in the South direction. The terrain containing the proposed site is characterized by a extreme wide transverse NE-SW trending valley generally named as Doon Valley. The entire valley is comprised of the gravels(RBM) embedded in the sandy-silty matrix and the bed rocks are deeply buried underneath this material. At the proposed site, the river Yamuna and river Tons confluence to form a deposit of RBM towards the inner side of the confluence. There is thick RBM deposit with intact rock at >25 – 40 m depth and the ground proposed for the construction of the road and are comprised of the rounded gravels, cobbles and pebbles embedded in sandy silty clayey matrix. The material comprising these grounds falls in the category of the heavy soils i.e soils mixed with boulders and according to the assessment made at the site the "Undrained Shear Strength" of this ground forming material was assessed ranging between 300 K Pa to 400 K Pa. This material is naturally dense, fully compacted and semi-dispersive in nature. At places some isolated pockets of silty-soil has been encountered during the site visit. The material exposed in and around the proposed grounds is well graded and uneroded in nature. The entire visible of river Yamuna bears a wide course and at places it is characterized by the braided river channels. Presently, the entire visible river bed and its bank are free from the slushy ground conditions, sink/pot holes etc.

The ground exposed on and across the alignment corridor are massive but partially weathered at the over the rough surface with geogrid wall over the right bank of river Yamuna to avoid any types of water intrusion or encroachment. The residual soils and hill/slope wash material with slope facets of this alignment are inclined between 5° - 15° oriented in SW directions.

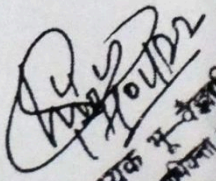
The RBM deposited on and across the alignment corridor measures 15 to 20 m or more. This material is comprised of the rock fragments embedded in the clayey-matrix. This material is naturally dense, hard in dry state, compact and semi-dispersive in nature. The soils comprising in it are "Stiff" in nature as per the soils consistency classification. The "Undrained Shear Strength" present on and across the alignment slopes has been assessed ranging between 300 K Pa -400 K Pa. It has been observed that most of these soils are generated by the decomposition of terrain rock, therefore these are residual soils and contains plastic clay minerals in abundance.

By and large the alignment slopes are stable and presently free from any landslide/mass wasting activities due to flat terrain

On the basis of the geological/geotechnical studies carried at the site and the facts mentioned above, the following recommendations are being made for the construction of the proposed road failing to which, this report will be automatically treated as cancelled.

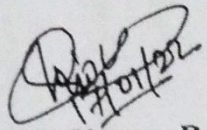
4- Recommendations:-

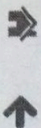
- 1- Construct extra large lined drain all along the road and make adequate cross drainage arrangements. The accumulated rain water run-off from this road and its upslope catchment should not allow to flow freely over the road.


सहायक म. वैज्ञानिक
म. वि. प्रौद्योगिकी एवं सिंचना
म. वि. देहरादून

- 2- Do not dispose the excavated waste on the nearby portion, it will damage or hinder the free flow of surface water.
- 3- All the construction activity must be carried out as per the standard codes of practice laid by the BIS and MORTH.

5- Conclusion:- On the basis of the geological / geotechnical studies carried at the site and with the above recommendations, the alignment corridor of the remaining 315 m length is suitable originating from the end of 120 m long CC road along the right bank of river Yamuna which ultimately connect to Junior High School (currently Rashtrya Balika Intercollege, Kalsi), in Kalsi block, dist. Dehradun.


(Shiv Kumar Rai)
Asst. Geologist
Office of the Engineer in Chief,
PWD, Dehradun.



खाता विवरण (अप्रमाणित प्रति)
NOTE : डाटा उपलब्ध ना होने पर डिजिटल हस्ताक्षरित होने तक प्रतीक्षा करें।

ग्राम का नाम : हरीश्वर	परगना : (जौनसार बाबर)	तहसील : कालसी	जनपद : देहरादून	फसली वर्ष : 1423-1428	भाग : 1	खाता संख्या : 00246
खतियार का नाम / पिता पति संरक्षक का नाम / निवास स्थान	भौतिक अधिकार का वर्ष	खसरा संख्या	क्षेत्रफल (हे.)	अंश	टिप्पणी	
श्रेणी : 2 / भूमि जो असक्रमणवि अधिकार वाले भूमिधारी के अधिकार में हो						
वन विभाग / /	1407 फ.से	203	2.0240			
	1407 फ.से	204	2.0240			
	1407 फ.से	201	2.0240			
	1407 फ.से	202	2.0240			
योग		4	8.0960			

Disclaimer: उक्त ऑनकई मात्र अवलोकनार्थ है, तहसील कम्प्यूटर केन्द्र से उद्घरण की प्रमाणित प्रति प्राप्त की जा सकती है।

Data Updated Upto: Tue Feb 22 12:44:16 IST 2022

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