


प्रारूप-33

परियोजना का नाम :- 126कि० मी० ऋषिकेश-कर्णप्रयाग नई ब्राड गेज रेल मार्ग को विद्युत आपूर्ति हेतु 33 के० वी० विद्युत लाइन का गुल्लर सबस्टेशन से शिवपुरी टनल T2 (प्रस्तावित वन भूमि का क्षेत्रफल 1.68 हे०)तक निर्माण कार्य

भू-वैज्ञानिक की आख्या

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

सम्पूर्ण परियोजना की भू-वैज्ञानिक आख्या पृथक से संलग्न है।



अधिसासी अभियन्ता
उत्तराखण्ड पावर कारपोरेशन लि०
अधिसासी अभियन्ता
टिहरी, टिहरी गढ़वाल
विद्युत वितरण खण्ड
उत्तराखण्ड पावर कारपोरेशन लि०
नई टिहरी (टिहरी गढ़वाल)



Sd/- District Engineer
उत्तराखण्ड अधिकारी
Disty. Distribution S/Division
उत्तराखण्ड पावर कारपोरेशन लि०
मुनि-कि-रेती (T.G.)
मुनि-कि-रेती, ऋषिकेश



उप-सहायक अभियन्ता
उत्तराखण्ड पावर कारपोरेशन लि०
मुनि-कि-रेती, ऋषिकेश

प्रपत्र-33

परियोजना का नाम :-126कि० मी० ऋषिकेश-कर्णप्रयाग नई ब्राड गेज रेल मार्ग को विद्युत आपूर्ति हेतु 33 के० वी० विद्युत लाइन का गुल्लर सबस्टेशन से शिवपुरी टनल T2 (प्रस्तावित वन भूमि का क्षेत्रफल 1.68 हे०) तक निर्माण कार्य

Brief Geological Assessment Report

Site Observations and Evaluation made from a geological point of view are given below:

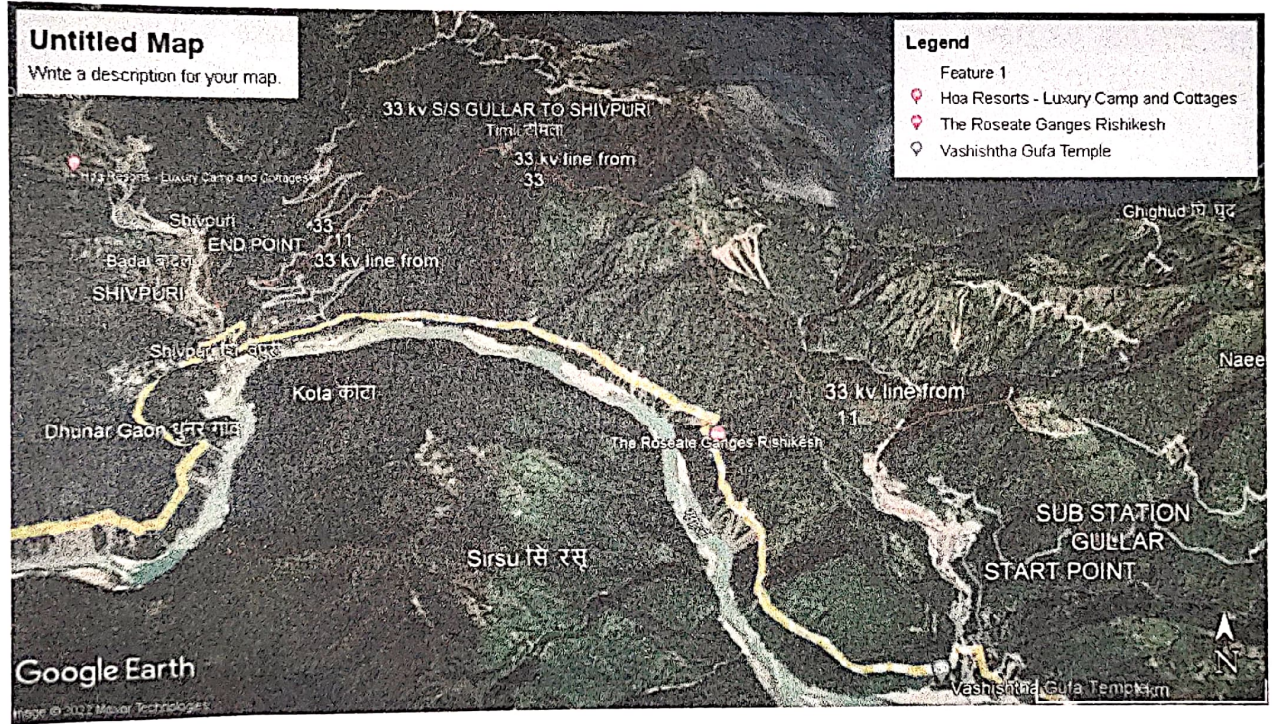


Figure: General View of Transmission Line Alignment from Gullar Substation to Shivpuri Rail Tunnel (T2)

Local Geology


The transmission line alignment location and the near vicinity is characterized by Mandhali formation (Pt13jm), Quaternary deposits (Colluvium, Qc), Alluvial Fan and Debris (Qafd), Alluvium (Qa) and Landslide material (Lm).


The Mandhali Formation (Pt13jm) (=BijiniFormation(Pt13b)) is composed of purple sandstone, grey phyllite and shale with sandstone bands with purple greenish grey, greyish white quartz arenite and laminated flaggy quartz arenites and observed at steep slops under the Quaternary deposits and occasionally gives outcrops.


Alluvial deposit (Qal) is composed of silty sand, sand with gravel, greyish brown silt and clay, boulders and pebbles of fine grained purple sandstone and white-pink quartz arenite with grey coloured phyllite, Colluvium (Qc) is formed from gravel, sand, greyish brown silt and clay materials and occasionally boulders and pebbles of fine grained purple sandstone. Alluvial fan and debris (Qafd) and landslide material (Lm) were developed along the project alignment.

Conclusion

The construction of transmission line do not involve heavy machinery or construction of big structure, rather involve installation of poles by digging out for small foundation, will not disturb any geological conditions of the region or a place.


अधिसासी अभियन्ता
उत्तराखण्ड पावर कारपोरेशन लि०
विद्युत वितरण विभाग
उत्तराखण्ड विद्युत निगम लि०
नई टिहरी (टिहरी गढ़वाल)


Joint Divisional Office:
उपखण्ड अधिकारी
उत्तराखण्ड पावर कारपोरेशन लि०
मुनि-कि-रेती, ऋषिकेश


उप-सहायक अभियन्ता
उत्तराखण्ड पावर कारपोरेशन लि०

TO WHOMSOEVER IT MAY CONCERN

परियोजना का नाम :-126कि० मी० ऋषिकेश-कर्णप्रयाग नई ब्राड गेज रेल मार्ग को विद्युत आपूर्ति हेतु 33 के० वी० विद्युत लाइन का गुल्लर सबस्टेशन से शिवपुरी टनल T2 (प्रस्तावित वन भूमि का क्षेत्रफल 1.68 हे०) तक निर्माण कार्य

Brief Geological Assessment Report

Site Observations and Evaluation made from a geological point of view are given below:

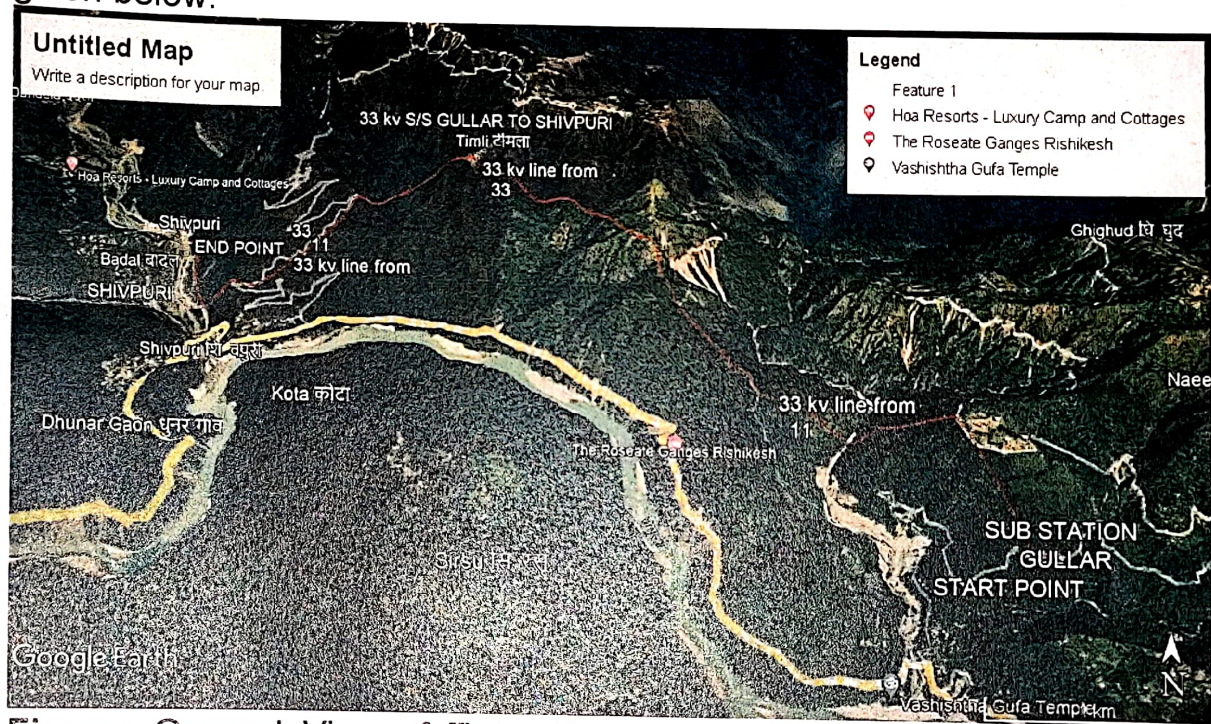


Figure: General View of Transmission Line Alignment from Gullar Sub-station to Shivpuri Rail Tunnel (T2)

Local Geology

The transmission line alignment location and the near vicinity is characterized by Mandhali formation (Pt13jm), Quaternary deposits (Colluvium, Qc), Alluvial Fan and Debris (Qafd), Alluvium (Qa) and Landslide material (Lm).

The Mandhali Formation (Pt13jm) (=Bijini Formation(Pt13b)) is composed of purple sandstone, grey phyllite and shale with sandstone bands with purple greenish grey, greyish white quartz arenite and laminated flaggy quartz arenites and observed at steep slopes under the Quaternary deposits and occasionally gives outcrops.

Alluvial deposit (Qal) is composed of silty sand, sand with gravel, greyish brown silt and clay, boulders and pebbles of fine grained purple sandstone

and white-pink quartz arenite with grey coloured phyllite, Colluvium (Qc) is formed from gravel, sand, greyish brown silt and clay materials and occasionally boulders and pebbles of fine grained purple sandstone. Alluvial fan and debris (Qafd) and landslide material (Lm) were developed along the project alignment.

Conclusion

The construction of transmission line do not involve heavy machinery or construction of big structure, rather involve installation of poles by digging out for small foundation, will not disturb any geological conditions of the region or a place.



Authorized Signatory
(Rohini Raman)
Senior Geologist