कार्यालय–नाडल आधकारा, वन सरक्षण, भूम सवक्षण ानदशालय,
इन्दिरानगर फॉरेस्ट कालोनी, उत्तराखण्ड, देहरादून।
E-Mail ID: nodalofficerddn@gmail.com,Phone/Fax: 0135 2767611

पत्रांक– 1343 /12–1 देहरादूनः दिनांकः 13 जनवरी, 2026

सेवा में,

उप वन महानिदेषक (के0),
भारत सरकार, पर्यावरण,
वन एवं जलवायु परिवर्तन मंत्रालय,
क्षेत्रीय कार्यालय देहरादून।

विषयः– जनपद–चम्पावत के अन्तर्गत विनवालगांव–कलियाधूरा–छिडाखान मोटर मार्ग के निर्माण हेतु 8.721 है0 वन भूमि का गैर वानिकी कार्यों हेतु लोक निर्माण विभाग को प्रत्यावर्तन के सम्बन्ध में। **(Online Proposal No- FP/UK/ROAD/145468/2021)**

संदर्भः– भारत सरकार का पत्रांक–8बी/यू.सी.पी./06/09/2023/एस.सी. दिनांक 10.11.2025।

सेवा में,

उपरोक्त विषयक प्रकरण में भारत सरकार पर्यावरण, जलवायु परिवर्तन एवं वन मंत्रालय, क्षेत्रीय कार्यालय देहरादून द्वारा लगाई गई आपत्तियों का निराकरण वन संरक्षक, उत्तरी कुमाऊँ वृत्त, उत्तराखण्ड, अल्मोड़ा के पत्र 1556/12–1 दिनांक–10/12/2025 एवं प्रभागीय वनाधिकारी के पत्र 2096/12–1 दिनांक–20/11/2025 के द्वारा इस कार्यालय में प्रस्तुत किया गया है, जिसके क्रम में इंगित कमियों का निराकरण कर आख्या निम्नवत् हैः–

क्र0सं0	आपत्ति	निराकरण
1.	The User Agency shall explore additional alternative alignments/routes and submit the same along with a comparative length and width-wise area statement covering environmental, technical, and economic parameters and the reason/s of rejection. The KML of the all alternatives may also be provided along with highlighting the beneficiary villages on same KML file.	प्राभागीय वनाधिकारी द्वारा अवगत कराया गया है कि प्रस्तावक विभाग द्वारा उक्त मार्ग के तीन वैकल्पिक समरेखणों का तुलनात्मक विवरण तैयार कर लाभान्वित होने वाले ग्रामों को के0एम0एल0 फाईल में दर्शाया गया है। (संलग्नक–1)
2.	The User Agency shall submit a fresh, verified emumeration list of trees proposed to be affected under the project, duly authenticated by the concerned DFO. Possibilities to reduce the number of trees may be explored especially Quercus spp. And Rhododendron Spp.	प्राभागीय वनाधिकारी द्वारा अवगत कराया गया है कि प्रभावित वृक्षों की संशोधित सूची प्रस्ताव के साथ संलग्न है। (संलग्नक–2)
3.	A recent and detailed Geological report, incorporating site-specific safety and slope stabilization measures, shall be submitted.	प्राभागीय वनाधिकारी द्वारा अवगत कराया गया है कि प्रस्तावक विभाग द्वारा भूगर्भीय निरीक्षण आख्या विभागीय भूगर्भवेत्ता से पुनः तैयार कर प्रेषित की जा रही है। (संलग्नक–3)

अतः प्रभागीय वनाधिकारी एवं प्रस्तावक विभाग के स्तर से प्राप्त ऑख्या को संस्तृति सहित इस आशय से प्रषित किया जा रहा है कि कृपया प्रकरण में वन (संरक्षण एवं संवर्धन) अधिनियम 1980 यथा संशोधित 2023 के अनुसार सैद्धान्तिक स्वीकृति प्रदत्त करने का कष्ट करें।

संलग्नकः–यथोपरि।

भवदीय,

(डॉ0 एस0पी0 सुबुद्धि)
प्रमुख वन संरक्षक एवं नोडल अधिकारी,
वन संरक्षण, देहरादून।

संख्या– 1343 / 12–1 दिनांकित।

प्रतिलिपिः– निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :–

1. सचिव, वन एवं पर्यावरण, उत्तराखण्ड शासन।
2. वन संरक्षक, उत्तरी कुमाऊँ वृत्त, उत्तराखण्ड, अल्मोड़ा।
3. प्रभागीय वनाधिकारी, चम्पावत वन प्रभाग, चम्पावत।
4. अधिशासी अभियंता,प्रान्तीय खण्ड, लो0नि0वि0, चम्पावत।

(डॉ0 एस0पी0 सुबुद्धि)
प्रमुख वन संरक्षक एवं नोडल अधिकारी,
वन संरक्षण, देहरादून।

कार्यालय वन संरक्षक, उत्तरी कुमाऊँ वृत्त, उत्तराखंड, अल्मोड़ा।
Email : cfkumaon_north@rediffmail.com , ☎ (05962) 231099 Fax : 230397

सेवा में,

पत्रांक – 1556 / 12–1 (2) अल्मोड़ा, दिनांक, 10/12/2025.

प्रमुख वन संरक्षक/नोडल अधिकारी,
वन संरक्षण, इन्दिरा नगर, फारेस्ट कालोनी,
उत्तराखण्ड, देहरादून।

विषय :– जनपद चम्पावत के अन्तर्गत विनवालगांव–कलियाधूरा–छिड़ाखान मोटर मार्ग के निर्माण हेतु 8.721 है0 वन भूमि का गैर वानिकी कार्यों हेतु लोक निर्माण विभाग को प्रत्यावर्तन के संबंध में। (प्रस्ताव सं0– 145468/2021)

महोदय,

विषयगत मोटर मार्ग के सम्बन्ध में प्रदर्शित आपत्तियों का निराकरण कर प्रभागीय वनाधिकारी, चम्पावत वन प्रभाग, चम्पावत के पत्रांक 2096/12–1, दिनांक 20.11.2025 द्वारा सूचित किया है, जिसे आपके सूचनार्थ प्रेषित किया जा रहा है, कृपया अग्रेत्तर कार्यवाही करना चाहें।

संलग्न–उपरोक्तानुसार।

भवदीय

(चन्द्र शेखर जोशी)
वन संरक्षक,
उत्तरी कुमाऊँ वृत्त, उत्तराखण्ड, अल्मोड़ा।

01/12/025

कार्यालय प्रभागीय वनाधिकारी, चम्पावत वन प्रभाग, चम्पावत।

Phone No. 05965/230375- Fax No.230180 Email- dfo.champawat@rediffmail.com

पत्रांक 2096 / 12-1 दिनांक , चम्पावत 20-11-2025

सेवा में,

वन संरक्षक,
उत्तरी कुमाऊँ वृत्त,
अल्मोड़ा।

विषय –

जनपद–चम्पावत के अन्तर्गत विनवालगांव–कलियाघूरा–छिडाखान मोटर मार्ग के निर्माण हेतु 8.721 है0 वन भूमि का गैर वानिकी कार्यों हेतु लोक निर्माण विभाग को प्रत्यावर्तन के सम्बन्ध में।
(Online Proposal No- FP/UK/ROAD/145468/2021)

सन्दर्भ :– अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत का पत्रांक 3412/2सी, दिनांक 19.11.2025।

महोदय,

उपरोक्त विषयक क्रम में अवगत कराना है कि क्षेत्रीय कार्यालय, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक 8वी./यू.सी.पी./06/09/2023/एफ.सी. दिनांक As per E-sign के द्वारा 3 बिन्दुओं की आपत्ति प्रकट की गयी है। जिसका अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत के संदर्भित पत्र द्वारा निराकरण कर अनुपालन आख्या इस कार्यालय को उपलब्ध करायी गयी है, जो निम्नवत है:–

क्र0सं0	आपत्ति	निराकरण
1.	The User Agency shall explore additional alternative alignments/routes and submit the same along with a comparative length and width-wise area statement covering environmental, technical, and economic parameters and the reason/s of rejection. The KML of the all alternatives may also be provided along with highlighting the beneficiary villages on same KML file.	प्रस्तावक विभाग द्वारा उक्त मार्ग के तीन वैकल्पिक समरेखणों का तुलनात्मक विवरण तैयार कर लाभान्वित होने वाले ग्रामों को के0एम0एल0 फाईल में दर्शाया गया है। (संलग्नक–1)
2.	The User Agency shall submit a fresh, verified emumeration list of trees proposed to be affected under the project, duly authenticated by the concerned DFO. Possibilities to reduce the number of trees may be explored especially Quercus spp. And Rhododendron Spp.	प्रभावित वृक्षों की संशोधित सूची प्रस्ताव के साथ संलग्न है। (संलग्नक–2)
3.	A recent and detailed Geological report, incorporating site-specific safety and slope stabilization measures, shall be submitted.	प्रस्तावक विभाग द्वारा भूगर्भीय निरीक्षण आख्या विभागीय भूगर्भवेत्ता से पुनः तैयार कर प्रेषित की जा रही है। (संलग्नक–3)

अतः अनुरोध है कि प्रकरण को अपने स्तर से उच्च स्तर को प्रेषित करने की कृपा करें।

संलग्नक :– उपरोक्तानुसार।

भवदीय,

(आशुतोष सिंह)
प्रभागीय वनाधिकारी,
चम्पावत वन प्रभाग,चम्पावत।

पत्रांक 2096 / 12-1 तद्दिनांकित।

प्रतिलिपि:– अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत को सूचनार्थ प्रेषित।

(आशुतोष सिंह)
प्रभागीय वनाधिकारी,
चम्पावत वन प्रभाग,चम्पावत।

उत्तराखण्ड वन सदैव आपके संग

कार्यालय वन क्षेत्राधिकारी, भिंगराड़ा वन क्षेत्र

।। चम्पावत वन प्रभाग–चम्पावत।।

पत्रांक 570 /12–1 दिनांक, 19/11/2025।

सेवा में,

श्रीमान प्रभागीय वनाधिकारी महोदय,
चम्पावत वन प्रभाग चम्पावत।

द्वारा– श्रीमान उप प्रभागीय वनाधिकारी महोदय, लोहाघाट।

विषय– जनपद चम्पावत के अन्तर्गत स्वीकृत बिनवालगांव–कलियाधूरा मोटर मार्ग के संयुक्त निरीक्षण के सम्बन्ध में।

सन्दर्भ– व्हाट्सऐप से प्राप्त संदेश के कम में ।

महोदय,

उपरोक्त विषयक सन्दर्भित पत्र के कम में मांगी गयी वांछित सूचना पूर्व में प्रेषित इस कार्यालय के पत्र संख्या– 324/12–1 दिनांक 24.12.2020 को पुनः सूचनार्थ महोदय की सेवा में प्रेषित।

क्षेत्र का नाम	वृक्ष प्रजाति	व्यासवार गोलाई						योग
		10–20	20–30	30–40	40–50	50–60	60–70	
बिनवालगांव सिविल	चीड	–	2	5	5	1	–	13
	साल	5	2	–	–	–	–	7
	जामुन	–	1	–	–	–	–	1
योग –		5	5	5	5	1		21
गौलडांडा सिविल	चीड	–	1	2	2	–	–	5
	साल	3	3	–	–	–	–	6
	जामुन	–	1	–	–	–	–	1
योग		3	5	2	2	–	–	12
तोला रैकुडी सजेलिया (नाप)	चीड (नाप भूमि)	–	1	1	3	1	–	6
	उतीस	–	1	2	1	–	–	4
योग		–	2	3	4	1	–	10
गौलडांडा कक्ष संख्या 15	चीड	6	11	8	1	1	–	27
योग		6	11	8	1	1	–	27
गौलडांडा कक्ष संख्या 5	चीड	4	7	4	–	–	–	15
योग		4	7	4	–	–	–	15
गौलडांडा कक्ष संख्या 11	चीड	31	28	10	1	1	1	72
	जामुन	–	–	2	–	–	–	2
	काफल	1	–		–	–	–	1
	सीरस	–	–	1	–	–	–	1
योग		32	28	13	1	1	1	76
गौलडांडा कक्ष संख्या 10	चीड	2	3	2	2	1		10
	काफल		1	1	–	–	–	2
योग		2	4	3	2	1		12
गौलडांडा कक्ष सं0–12	चीड	1	–	3		2	3	9
	वांज	–	–	1	2	–	–	3
	काफल	–	–	1	–	–	–	1
	वुरांश	–	–	4	–	–	–	4
योग		1	–	9	2	2	3	17
गौलडांडा कक्ष सं0–13	चीड	19	35	12	6	4	–	76
	काफल	1	3	1	–	–	–	5
	वांज	–	1	1	3	–	–	5

	अंयार	2	1	–	–	–	–	3
	बुरांश	1	2	–	1	–	–	4
योग		23	42	14	10	4		93
गौलडांडा वन पंचायत	चीड	52	22	12	6	7	3	102
योग		52	22	12	6	7	3	102
विनवालगांव वन पंचायत	चीड	12	9	6	9	–	–	36
	काफल	–	2	3	–	–	–	5
	बुरांश	–	–	–	–	1	–	1
	बांज	–	2		2	–	–	4
	अंयार	–	2	3		–	–	5
	उतीस	–	2	2	1	–	–	5
योग		12	17	14	12	1	–	56
तोला वन पंचायत	चीड	4	4	–	–	1	–	9
	काफल	1	–	–	–	–	–	1
योग		5	4	–	–	1	–	10
							कुल योग	451

प्रभागीय वनाधिकारी
चम्पावत वन प्रभाग चम्पावत।

उप प्रभागीय वनाधिकारी
लोहाघाट

भवदीय
वन क्षेत्राधिकारी
भिंगराड़ा वन क्षेत्र

प्रतिलिपिः– श्रीमान अधिशासी अभियन्ता प्रांतीय खण्ड लोक निर्माण विभाग चम्पावत को सूचनार्थ सेवा में प्रेषित।

भवदीय
वन क्षेत्राधिकारी
भिंगराड़ा वन क्षेत्र

कार्यालय प्रभागीय वनाधिकारी, चम्पावत वन प्रभाग, चम्पावत।

Phone No. 05965/230375- Fax No.230180 Email- dfo.champawat@rediffmail.com

पत्रांक / दिनांक , चम्पावत 2025

सेवा में,

वन संरक्षक,
उत्तरी कुमाऊँ वृत्त,
अल्मोड़ा।

विषय – **जनपद–चम्पावत के अन्तर्गत विनवालगांव–कलियाधूरा–छिडाखान मोटर मार्ग के निर्माण हेतु 8.721 है0 वन भूमि का गैर वानिकी कार्यों हेतु लोक निर्माण विभाग को प्रत्यावर्तन के सम्बन्ध में।**
(Online Proposal No- FP/UK/ROAD/145468/2021)

सन्दर्भ :– **अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत का पत्रांक 3412/2सी, दिनांक 19.11.2025।**

महोदय,

उपरोक्त विषयक क्रम में अवगत कराना है कि क्षेत्रीय कार्यालय, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के पत्रांक 8बी./यू.सी.पी./06/09/2023/एफ.सी. दिनांक **As per E-sign** के द्वारा 3 बिन्दुओं की आपत्ति प्रकट की गयी है। जिसका अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत के संदर्भित पत्र द्वारा निराकरण कर अनुपालन आख्या इस कार्यालय को उपलब्ध करायी गयी है, जो निम्नवत हैः–

क्र0सं0	आपत्ति	निराकरण
1.	The User Agency shall explore additional alternative alignments/routes and submit the same along with a comparative length and width-wise area statement covering environmental, technical, and economic parameters and the reason/s of rejection. The KML of the all alternatives may also be provided along with highlighting the beneficiary villages on same KML file.	प्रस्तावक विभाग द्वारा उक्त मार्ग के तीन वैकल्पिक समरेखणों का तुलनात्मक विवरण तैयार कर लाभान्वित होने वाले ग्रामों को के0एम0एल0 फाईल में दर्शाया गया है। (संलग्नक–1)
2.	The User Agency shall submit a fresh, verified emumeration list of trees proposed to be affected under the project, duly authenticated by the concerned DFO. Possibilities to reduce the number of trees may be explored especially Quercus spp. And Rhododendron Spp.	प्रभावित वृक्षों की संशोधित सूची प्रस्ताव के साथ संलग्न है। (संलग्नक–2)
3.	A recent and detailed Geological report, incorporating site-specific safety and slope stabilization measures, shall be submitted.	प्रस्तावक विभाग द्वारा भूगर्भीय निरीक्षण आख्या विभागीय भूगर्भवेत्ता से पुनः तैयार कर प्रेषित की जा रही है। (संलग्नक–3)

अतः अनुरोध है कि प्रकरण को अपने स्तर से उच्च स्तर को प्रेषित करने की कृपा करें।

संलग्नक :– उपरोक्तानुसार।

भवदीय,

(आशुतोष सिंह)
प्रभागीय वनाधिकारी,
चम्पावत वन प्रभाग,चम्पावत।

पत्रांक / तद्दिनांकित।

प्रतिलिपिः– अधिशासी अभियन्ता, प्रान्तीय खण्ड, लोक निर्माण विभाग, चम्पावत को सूचनार्थ प्रेषित।

(आशुतोष सिंह)
प्रभागीय वनाधिकारी,
चम्पावत वन प्रभाग,चम्पावत।

Details of Road Alignment

SNo.	Item	Alignment No. 1	Alignment No. 2	Alignment No. 3
1	2	3	4	5
1	Main feathers & description of the alignment	This alignment shown Red colour in the map. This alignment will start fromm Reetha Binwalgoun	This alignment shown Green colour in the map. This alignment will start from Reetha Binwalgoun	This alignment shown Blue colour in the map. This alignment will start fromm Reetha Binwalgoun
2	Length of the alignment form starting point to terminal point.	15.200 KM	15.700 KM	16.000 KM
3	**Geometries**			
	Gradient in different Stretches	1:40R,	1:20R	1:20R
		1:20R	1:17R	1:15R
		1:17R	1:17F	1:16F
		1:17F	1:20F	1:15F
		1:20F		1:20F
4	**Curves and Hair pin band**	6 Nos. HP bend	6 Nos. HP bend	16 Nos. HP bend
5	**Terrain & Soil condition**	Rock, Earth & Boulder & Agriculture Land	Rock, Earth & Boulder & Agriculture Land	Rock, Earth & Boulder & Agriculture Land
a	**Geology of road**			
b	**Road Passing through**			
i	Mountainous terrain X-slope 25 to 60	15.200 KM	15.700 KM	16.000 KM
ii	Steep terrain in x-slope more then 60	Nil	Nil	Nil
iii	Rocky stretches with indication of length loose earthing stretches	NA	NA	NA
iv	Area subject to avalanches & show drifts	NA	NA	NA
v	**Nature of Soil**			
a	Length of reaches with earth & boulders	as per geology	as per geology	as per geology

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b	Length of reaches with M.R. & M.S.	as per geology	as per geology	as per geology
c	Length of reaches with H.R. & O.R.	as per geology	as per geology	as per geology
d	Length of reaches with V.H.R. & V.H.S.	as per geology	as per geology	as per geology
vi	Length of road passing through cliffs & georges	as per geology	as per geology	as per geology
6	**Bridge requirement**			
a	**Minor Bridge**			
i	Total No.	4	5	5
ii	Rate of span	30m,15m,10m,12m	15m,30m, 20m, 10m, & 12	15m,30m, 20m, 10m, & 12
iii	Total waterways	Nil	Nil	Nil
b	**Major Bridges**			
i	Total No.	Nil	Nil	Nil
ii	Rate of span	Nil	Nil	Nil
iii	Total waterways	Nil	Nil	Nil
7	**General elevation of road**			
i	Indicating max. & Min Height negotiated by main ascends & descends	Maximum 1900mtr Minimum 1280 mtr	Maximum 1900 mtr Minimum 1290 mtr	Maximum 1930 mtr Minimum 1230 mtr
8	**Right of ways**			
a	Bringing out construction on account of built up areas, monuments and other structures	7mtr, No such Construction involved	7mtr, No such Construction involved	7mtr, No such Construction involved
9 (a)	Existing mean of item communication mules path jeep etc.	Mule path	Mule path	Mule path
b	Relation of proposed alignment with	This road will connected to village Binwalgoun, Goldanda & Tola	This road will connected to village Binwalgoun, Goldanda & Tola	This road will connected to village Binwalgoun, Goldanda & Tola
10	Availability of road construction materials	Locally available	Locally available	Locally available

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b	Location of quarries	-	-	-
c	Average lead	-	-	-
11	**Facilities resources**			
a	Landing ground	At Binwalgoun	At Binwalgoun	At Binwalgoun
b	Dropping zone	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola
c	Labour	Locally available	Locally available	Locally available
d	Food stuffs	Wheat, Paddy, Vegetables & Fruits	Wheat, Paddy, Vegetables & Fruits	Wheat, Paddy, Vegetables & Fruits
e	Construction material like timber, bamboo & stones shingle in extent of their availability and Lead involved	Available within 100 km	Available within 100 km	Available within 100 km
12	**Climatic Condition**			
a	Temperature Max. & Min	Max. 32 degree celsius Min. 5 degree celsius	Max. 32 degree celsius Min. 5 degree celsius	Max. 32 degree celsius Min. 5 degree celsius
b	Rainfall data's average annual peak enter stics monthly distribution in the extent available of road covered by snow. (average period)	Rainfall data's are not available, road not covered by snow.	Rainfall data's are not available, road not covered by snow.	Rainfall data's are not available, road not covered by snow.
c	Wind direction	-	-	
d	Fog conditions	Fog area	Fog area	Fog area
e	Expose to Sun	Full alignment is exposed to Sun	Full alignment is exposed to Sun	Full alignment is exposed to Sun
13	Drainage characteristics of the indicating us to damage.	Being mountainous terrain drainage characteristics are good and abnormal damages are not anticipated.	Being mountainous terrain drainage characteristics are good and abnormal damages are not anticipated.	Being mountainous terrain drainage characteristics are good and abnormal damages are not anticipated.
14	Length of the land slide.	Nil	Nil	Nil
15	Length of the unstable area.	Nil	Nil	Nil
16	Length of heavy clearing	Nil	Nil	Nil
17	Length of the Marshy effected area.	Nil	Nil	Nil
18	Length of the portion loose rocks	Nil	Nil	Nil
19	Period required for construction	1.5 year	2 year	2 year 3 month
20	Vegetation extent and type.	Ordinary Bushes	Ordinary Bushes	Ordinary Bushes

जोधशासी अभि० गत्ती
प्रान्तीय खण्ड, लो०नि०वि०
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21	**Critical as specified**			
i	Village on or within 2Km & 3km of the alignment.	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola
ii	1 Km to 1.5 Km of the alignment	Binwalgoun	Binwalgoun	Binwalgoun
22	Strategies conditions	Nil	Nil	Nil
23	Population surveyed by the alignment			
24	Recreational potential	Nil	Nil	Nil
25	Scope of agriculture & Horticulture development	Fruit belt can be developed	Fruit belt can be developed	Fruit belt can be developed
26	Extent of forest wealth	Normal	Normal	Normal
27	Prospects of development of minor or major project being taken up	Nil	Nil	Nil
28	Approximate cost of construction of each alignment.	Rs. 671.73 Lacs (First fase)	Rs. 710.00 Lacs (First fase)	Rs. 750.00 Lacs (First fase)
29	Merits & Demerits	Cost of construction is minimum	Cost of construction is maximum.	Cost of construction is maximum.
		Loose rocky portion is less in this alignment.	Loose rocky portion is more than first alignment.	Loose rocky portion is more than first alignment.
		Civil forest land less exist in this alignment.	Civil forest land more exist in this alignment.	Civil forest land more exist in this alignment.
		Forest are not cleared this alignment.	Forest are not cleared this alignment.	Forest are not cleared this alignment.
30	Any other useful information, any important project etc.	Maximum public is satisfied in this alignment.	Public is not satisfied this alignment	Public is not satisfied this alignment

अधिशासी अभि० यन्त्री
प्रान्तीय खण्ड, लो०नि०वि०
चम्पावत (उत्तराखण्ड)

21	**Critical as specified**			
i	Village on or within 2Km & 3km of the alignment.	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola	Binwalgoun, Goldanda, Tola
ii	1 Km to 1.5 Km of the alignment	Binwalgoun	Binwalgoun	Binwalgoun
22	Strategies conditions	Nil	Nil	Nil
23	Population surveyed by the alignment			
24	Recreational potential	Nil	Nil	Nil
25	Scope of agriculture & Horticulture development	Fruit belt can be developed	Fruit belt can be developed	Fruit belt can be developed
26	Extent of forest wealth	Normal	Normal	Normal
27	Prospects of development of minor or major project being taken up	Nil	Nil	Nil
28	Approximate cost of construction of each alignment.	Rs. 671.73 Lacs (First fase)	Rs. 710.00 Lacs (First fase)	Rs. 750.00 Lacs (First fase)
29	Merits & Demerits	Cost of construction is minimum	Cost of construction is maximum.	Cost of construction is maximum.
		Loose rocky portion is less in this alignment.	Loose rocky portion is more than first alignment.	Loose rocky portion is more than first alignment.
		Civil forest land less exist in this alignment.	Civil forest land more exist in this alignment.	Civil forest land more exist in this alignment.
		Forest are not cleared this alignment.	Forest are not cleared this alignment.	Forest are not cleared this alignment.
30	Any other useful information, any important project etc.	Maximum public is satisfied in this alignment.	Public is not satisfied this alignment	Public is not satisfied this alignment

प्रान्तीय खण्ड, लो०नि०वि०
चम्पावत (उत्तराखण्ड)

31	Recommendation of E.E. with reason.	Keeping all the point in new and considering the merits and demerits of the different alignment. alignment no. 1 which is shown in Red ink in the map is most suitable and serving more population easy to construction. Hence this alignment no. 1 is recommending for approved.	Keeping all the point in new and considering the merits and demerits of the different alignment. alignment no. 2 which is shown inGreen ink in the map is not suitable construction.	Keeping all the point in new and considering the merits and demerits of the different alignment. alignment no. 3 which is shown in Blue ink in the map is not suitable construction.

AAE/JE
P.D. P.W.D. Champawat

Assistant Engineer
P.D. P.W.D. Champawat

Executive Engineer
P.D. P.W.D. Champawat

कार्यालय मुख्य अभियन्ता
उत्तराखण्ड लोक निर्माण विभाग
पौड़ी गढ़वाल

भूगर्भ निरीक्षण आख्या जी० पौ० 244 सड़क समरेखण/पुल/गढ़वाल क्षेत्र /उत्तराखण्ड

Geological assessment of the alignment corridor proposed for the construction of 15.20 km(sanctioned length= 16.50 km) long Binwalgaon-Kaliyadhura(Chidakhan) m/r, in Lohaghat Vidhansabha, dist. Champawat

31 अक्टूबर 2025

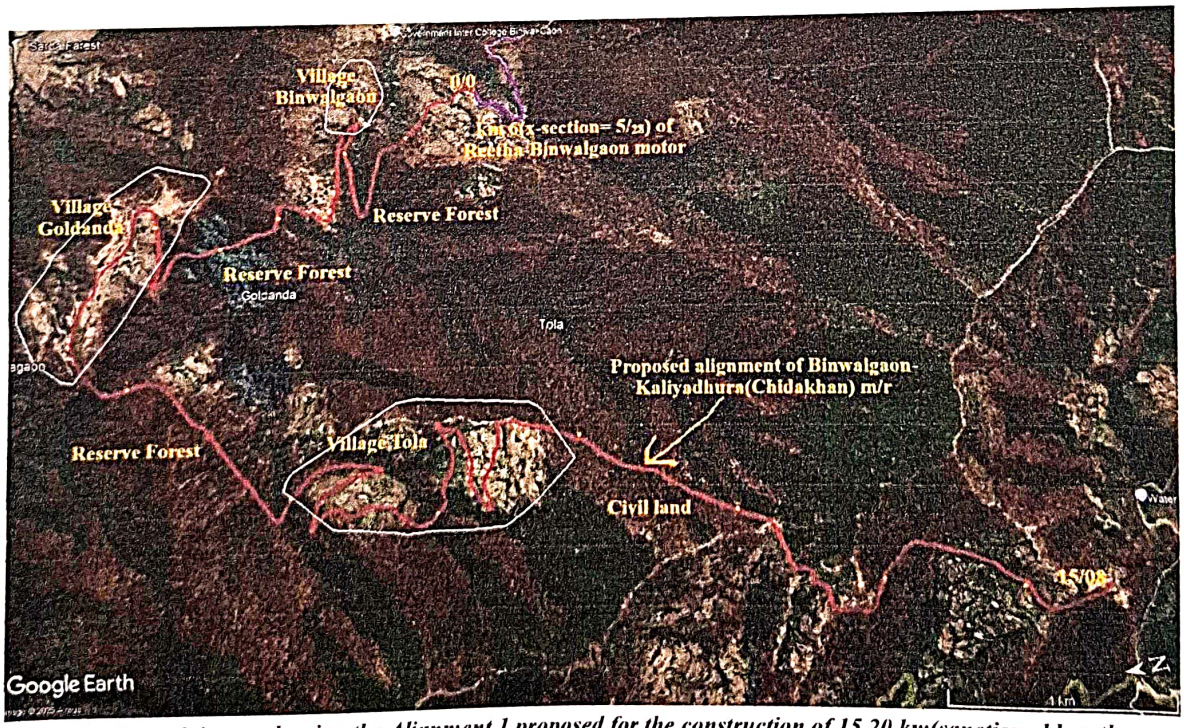
Geological assessment of the alignment corridor proposed for the construction of 15.20 km(sanctioned length= 16.50 km) long Binwalgaon-Kaliyadhura(Chidakhan) m/r, in Lohaghat Vidhansabha, dist. Champawat

1.Introduction:- Under the State Plan 2007-08, the provincial division, Public Works Department, Champawat with G.O no. 764(1)/III(2)/08-05/(प्रा०अ०)/2007 dated 24.03.2008 has been instructed for the construction of 16.50 km long Binwalgaon-Kaliyadhura(Chidakhan) m/r, in Lohaghat Vidhansabha, dist. Champawat. The work of preliminary survey has been carried out where three alternative alignment has been proposed named alignment 1, alignment 2 and alignment 3 having length of 15.20 km, 15.70 km and 16.00 km respectively. The alignment 1 originates from the HP bend lies at km 6(x-section= 5/28) of Reetha-Binwalgaon motor road in the downhill slope direction(sometimes uphill slope direction) having multiple topographical depression with seasonal stream across the alignment which can be bypassed by the minor bridges(4 bridges) comprising 6 HP bends in whole along its length of 15.20 km connecting villages Binwalgaon-Khetiya-Goldada-Chandrakot-Supada-Tola and ultimately end near village Kaliyadhura covering dominantly the civil and reserve forest land land and scantly the naap land of the local villagers, in Pati block, dist. Champawat. The alignment 2 originates from km 5.00 of the Reetha-Binwalgaon m/r in the downhill slope direction(sometimes uphill slope) varies as per topographical changes with 5 minor bridges comprising 6 HP bends in whole along its length of 15.70 km covering dominantly the reserve forest and civil land and scantly the naap land but due to larger length, higher number of bridges and not agreed by the local villagers, this alignment is rejected. The Alignment 3 originates from km 6(5/36) in the downhill slope direction(sometimes uphill slope direction) with 5 minor bridges covering the reserve forest and civil land comprising 11 HP bends in whole along its length of 16.00 km with road arms one above the another in the forest region which may aggravate landslide in future and may damage dense floura in the forest, therefore rejected. On the request made by Er. Pankaj Raj, Assistant Engineer, I carried out the geological inspection of the proposed alignment corridor on 09.09.2025 in the presence of Er. Sachin, Junior Engineer, PD, PWD, Champawat, dist. Champawat.

2.Location:- The proposed alignment corridor of the above said motor road originates from the HP bend lies at km 6(x-section= 5/28) of Reetha-Binwalgaon motor road in the downhill slope direction(sometimes uphill slope direction) having multiple topographical depression with seasonal stream across the alignment which can be bypassed by the minor bridges(4 bridges with span of 30 m,15 m,10 m and 12 m) comprising 6 HP bends in whole along its length of 15.20 km connecting villages Binwalgaon-Khetiya-Goldada-Chandrakot-Supada-Tola and ultimately end near village Kaliyadhura covering dominantly the civil and reserve forest land land and scantly the naap land of the local villagers, in Pati block, dist. Champawat.

3. Geology Assessment:- Geologically, Binwalgaon and its nearby environs falls in the outer land of the Kumoun Lesser Himalayan belt bounded by two prominent tectonic lineament named South Almora Thrust(SAT) and Main Boundary Thrust(MBT) from its north and south direction respectively represented by the rocks of Nathuakhan and Betalghat formation belongs to Ramgarh Group . The geological set up is very complex due to the repeated tectonic disturbances

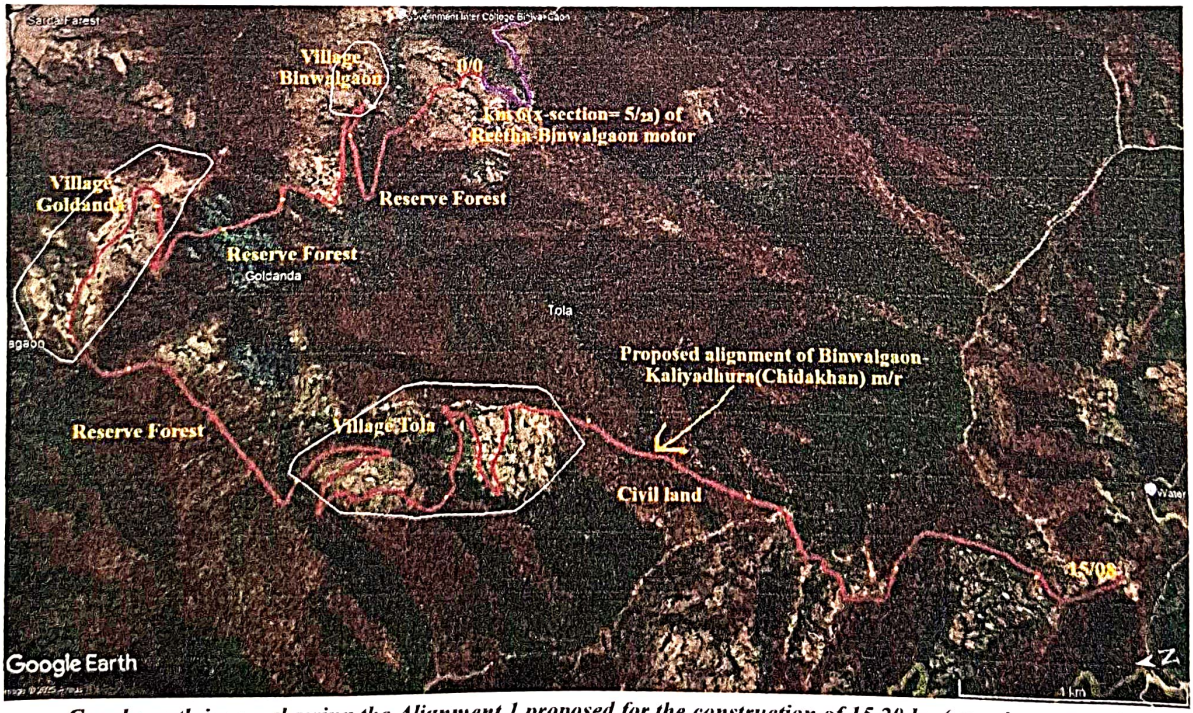
caused by different orogenic cycles. The rock units exposed in various parts of Champawat district are exposed in two broad geotectonic zones viz. Eastern Himalaya and specially in Lesser Himalaya. The phyllitic quartzites intercalated with chlorite schist and phyllite outcrop belongs to Nathuakhan formation are exposed in and around the area of the proposed road. These quartzitic phyllite are interveined with the thin partings of micaceous which are chloritic in nature. These rocks are traversed by four to five prominent joint sets and at places they are weathered, oxidized and tectonized in nature. The Lesser Himalaya occupies major part of the district and comprises of different groups like Ramgarh Group with Nathuakhan formation and Debguru porphoroids. The groups are subdivided into various formations like Nathuakhan formation and Debguru porphoroids. A suite of granitic intrusive known as Granitoids of Almora Group and basic volcanics are also exposed in parts of the alignment. Generally, the rocks of the Lesser Himalayan Zone show signs of multiple phases of deformation and metamorphism. The area nearby of Champawat falls in the Kumoun Lesser Himalayan Belt and it is mostly occupied by the quartzite and phyllite rock of Nathuakhan Formation. Most of the rock masses exposed in and around these slide zones belongs to Grade-IV which is thinly foliated, sheared, shattered and tectonized in nature and have attained higher weathering grade. The rock mass exposed on the either side slopes is intensely folded and jointed having planner failure dominantly and wedge failure contains clay minerals in abundance which has generated thick cover of overburden material over them in form of residual clays. Four-five prominent linear discontinuties traversing these rocks has been recorded at the sites and most of these are opened and in filled by the soils or crust rock material.



Google earth image showing the Alignment 1 proposed for the construction of 15.20 km(sanctioned length= 16.50 km) long Binwalgaon-Kaliyadhura(Chidakhan) m/r, in Lohaghat Vidhansabha, dist. Champawat

A prominent tectonic feature namely South Almora Thrust (SAT) runs parallel to the at a close distance in its NW-SE direction and its affect is clearly manifested on these rocks in the form of

caused by different orogenic cycles. The rock units exposed in various parts of Champawat district are exposed in two broad geotectonic zones viz. Eastern Himalaya and specially in Lesser Himalaya. The phyllitic quartzites intercalated with chlorite schist and phyllite outcrop belongs to Nathuakhan formation are exposed in and around the area of the proposed road. These quartzitic phyllite are interveined with the thin partings of micaceous which are chloritic in nature. These rocks are traversed by four to five prominent joint sets and at places they are weathered, oxidized and tectonized in nature. The Lesser Himalaya occupies major part of the district and comprises of different groups like Ramgarh Group with Nathuakhan formation and Debguru porphoroids. The groups are subdivided into various formations like Nathuakhan formation and Debguru porphoroids. A suite of granitic intrusive known as Granitoids of Almora Group and basic volcanics are also exposed in parts of the alignment. Generally, the rocks of the Lesser Himalayan Zone show signs of multiple phases of deformation and metamorphism. The area nearby of Champawat falls in the Kumoun Lesser Himalayan Belt and it is mostly occupied by the quartzite and phyllite rock of Nathuakhan Formation. Most of the rock masses exposed in and around these slide zones belongs to Grade-IV which is thinly foliated, sheared, shattered and tectonized in nature and have attained higher weathering grade. The rock mass exposed on the either side slopes is intensely folded and jointed having planner failure dominantly and wedge failure contains clay minerals in abundance which has generated thick cover of overburden material over them in form of residual clays. Four-five prominent linear discontinuties traversing these rocks has been recorded at the sites and most of these are opened and in filled by the soils or crust rock material.



Google earth image showing the Alignment 1 proposed for the construction of 15.20 km(sanctioned length= 16.50 km) long Binwalgaon-Kaliyadhura(Chidakhan) m/r, in Lohaghat Vidhansabha, dist. Champawat

A prominent tectonic feature namely South Almora Thrust (SAT) runs parallel to the at a close distance in its NW-SE direction and its affect is clearly manifested on these rocks in the form of

shearing, crushing and deformation. Most part of the alignment passes across the hard and competent outcrop stretch with dense vegetation of pine in the civil land and devdar/banj in the reserve forest land. The terrace like cultivated land of the local villagers is covered by thin soil cover varied from 2-2.50 m with competent outcrop underneath. Considering the rhythmicity of intercalated bands of arenaceous and argillaceous material and varied degree of tectonic effects in them, the quartzite rock at the site have been classified into mainly four lithological variants as described below:

A. Phyllitic Quartzite Massive (PQM):- Megascopically phyllitic quartzite massive (PQM) is more quartzitic (arenaceous) and occasionally argillaceous, micaceous in composition and are somewhat coarser in grain size. The rhythmicity of compositional bands is well observed and spacing of these bands are found to be more than 10 cm apart.

B. Phyllitic Quartzite Thinly (PQT):- Phyllitic quartzite thinly bedded (PQT) is also compositionally similar with PQM i.e., occurrence of quartzitic (arenaceous) and occasionally micaceous minerals of coarser grain size. The compositional bands are also well observed and are closely spaced (0.5 cm to 10 cm) w.r.t. PQM rockmass.

The quartzitic phyllites with subordinate slates exposed on and across this alignment corridor is slightly weathered and oxidized (W_3 to W_4 weathering Grade) in nature. These are thinly foliated, hard and compact in nature and exhibiters fair values of physical competence. According to the estimation made at the site the "Uniaxial Comprasive Strength" of the bed rocks were found ranging between 30 M Pa to 40 M Pa. These rock masses are jointed in nature and are traversed by five prominent joint sets/rock defect sets. It has been observed that the soils forming the slopes contain clay minerals in abundance with terrace land therefore these may exhibit contrast values of strength under the dry and wet conditions. According to the assessment made at the site, the "Undrained Shear Strength" of the soils exposed along this corridor was found ranging between 300k Pa to 400k Pa.

By and large, the hill slopes containing this alignment are stable and do not manifests signatures related to the land sliding/ground subsidence. No where slush like conditions were seen during the walk over survey likewise the entire ground looks free from the formation of tension cracks and sink/pot holes.

On the basis of the geological inspection and the study carried at of the alignment and the facts given above, the following recommendations are being made for the construction of the proposed motor road, failing to these recommendations this report will be automatically treated as cancelled.

4. Recommendations:-

a. Form the road by bench like cutting full excavation techniques and compact the fill by dynamic compaction.

b. Do not dispose the excavated waste on the lower slope otherwise it will threat the stability of the village below and the terrace like cultivated land of the local villagers.

c. Considering hill slope stability, constrict suitably designed retaining walls/ breast walls all along the road, wherever required only.

d. Make adequate arrangements for longitudinal drains along the hill side of the road and cross drainage.

e. The drained water must be disposed on the stable ground below.

f. The entire surface of the road bench must be sealed by the bituminous painting this is so as to check the water infiltration into the subsoils.

g. All the construction activity shall be carried out as per the Indian Standards codes of practice and guidelines issued by the IRS/MORTH.

5. Conclusion:- On the basis of the geological/geotechnical studies carried at the site and with the above recommendations, the alignment was found geologically **suitable** for the construction of Binwalgaon-Kaliyadhura(Chidakhan) m/r comprising 6 HP bends in whole along its length 15.20 km(w.r.t sanctioned length = 16.50 km) connecting villages Binwalgaon-Khetiya-Goldada-Chandrakot-Supada-Tola and ultimately end near village Kaliyadhura, in Lohaghat Vidhansabha, dist. Champawat

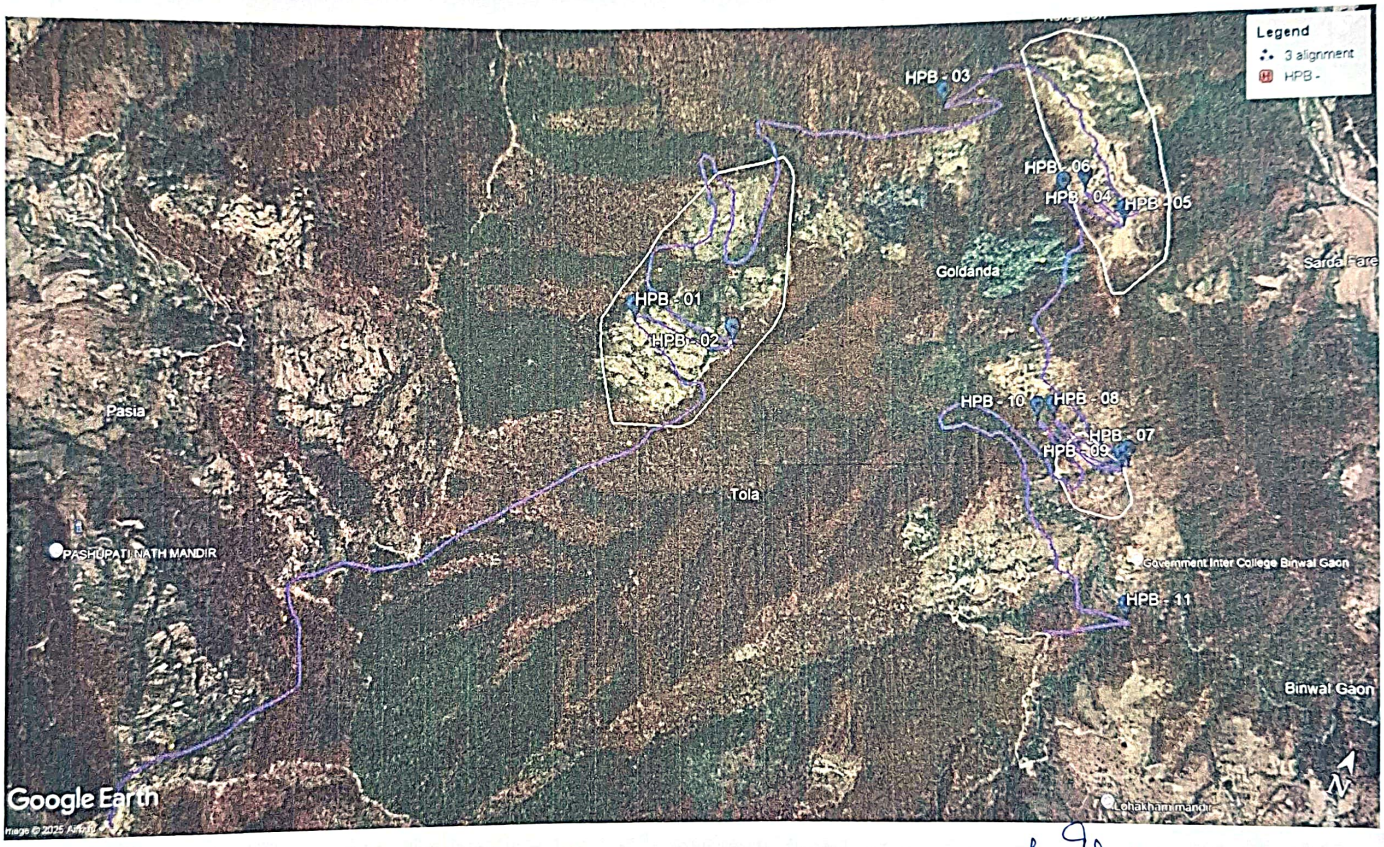
Date: 31.10.2025

Shiv Kumar Rai
Geologist
Chief Engineer Office
PWD, Pauri(Garhwal)

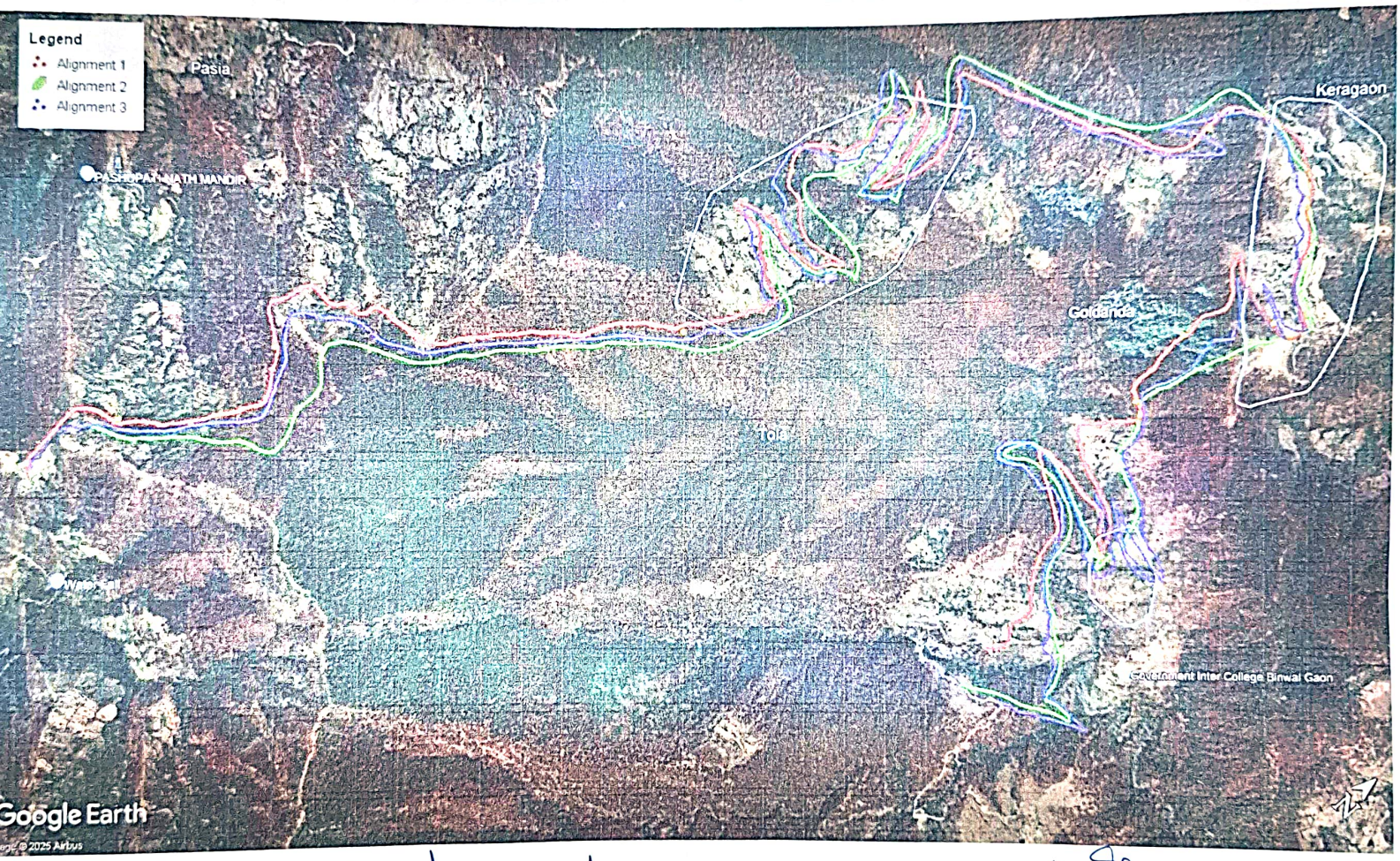
Google Map

प्रान्तीय खण्ड, लो०नि०वि०
रुद्रप्रयाग (उत्तराखण्ड)

आपेक्षासी आज्ञप्ता
प्रान्तीय खण्ड, लो०नि०वि०
रुद्रप्रयाग (उत्तराखण्ड)



अधिशासी अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
चम्पावत (उत्तराखण्ड)



ओ ~~परियोजना~~

प्रान्तीय खण्ड, लोनिनि०

चम्पावत (उत्तराखण्ड)