

परियोजना का नाम :- मंगरूखाल-तनशालीसैण-कालिकाखाल मोटर मार्ग का नव निर्माण।
(15.550 किमी.)(8.280हे0)

वैकल्पिक समरेखणों को निरस्त किये जाने का प्रमाण-पत्र

प्रस्तावित परियोजना हेतु दो समरेखणों पर विचार किया गया। समरेखण संख्या-2 हेयर पिन बैण्ड व अधिक वनभूमि आने अधिक लम्बाई की आवश्यकता होने एवं अधिक वृक्षों की संख्या आने के कारण निरस्त किया गया एवं समरेखण संख्या-1 में कम हेयर पिन बैण्ड, एवं कम वनभूमि प्रभावित होने, कम लम्बाई में मार्ग का निर्माण हो सकता है। इस प्रकार समरेखण नं0 1 में ग्रामीणों की सहमति होने के कारण उचित पाया गया जो कि प्रस्तावित है।



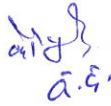
कनिष्ठ अभियन्ता
प्रान्तीय खण्ड, लोक निर्माण विभाग,
रानीखेत

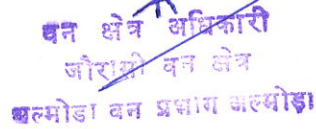


सहायक अभियन्ता,
प्रान्तीय खण्ड, लोक निर्माण विभाग,
रानीखेत



अधिशाली अभियन्ता,
प्रान्तीय खण्ड, लोक निर्माण विभाग,
रानीखेत


A.D.


वन क्षेत्र अधिकारी
जौरासी वन क्षेत्र
बलमोडा वन प्रभाग बलमोडा।


वन क्षेत्र अधिकारी
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COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT

Name of Work : Construction of Mangraukhal-Tanshali Sain-Kalikakhal Motor Road. (15.500 km.)			
Sl. No.	ITEM	ALIGNMENT MARKED	ALIGNMENT MARKED
		1 (Red)	2 (Brown)
	Details of routes, vis-a-vis, topography of the area		
1.	Main feature and description of Alignment	Starting point Sumanlata -Badhola motor road Km. 60 of Mangraukhal-Tanshali Sain-Kalikakhal Motor Road,	Starting point Sumanlata -Badhola motor road Km. 60 of Mangraukhal-Tanshali Sain-Kalikakhal Motor Road,
2.	Length of the alignment from starting point to terminal point.	15.500 Km.	16.000 km.
3.	Geometric	As per attached sheet & L-section	As per attached sheet & L-section
A.	Gradient in different stretches of the alignment	As per attached L-section	As per attached L-section
B.	Curve and hair pin bend	2 No. H.P. Bend	4 No. H.P. Bends
4.			
A.	Terrain and soil condition		
1.	Geology of road.	E&B / V.H.R./ V.H.S./B.L.B./H.S.	E&B / V.H.R./ V.H.S./B.L.B./H.S.
B.	Road length passing through.		
1.	Mountainous terrain cross slope from 25 to 60.	15.500 Km.	16.000 Km.
2.	Steep terrain cross slope greater than 60	Nil	Nil
3.	Rocky stretches with indication in length in loose.	Nil	Nil
4.	Area to subject to avalanches and snow drifts	Nil	Nil
5.	Nature of Soil		
A.	Length of reaches with earth and boulder	9.000 km.	9.000 km.
B.	Length of reaches with hard rock/shale	4.000 km.	4.000 km.
C.	Length of reaches with medium rock/shale	1.500 km.	1.500 km.
D.	Length of reaches with VHR/VHS	1.000 km.	1.500 km.
6.	Bridge requirement		
A.	Minor bridge		
i.	Total number	0 No.	0 No.
ii.	Range of span		
iii.	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents.	L-Section attached	L-Section attached

जयाप्रति सत्यापित

सहायक अभियन्ता

गन्तीय खण्ड लो. नि.

रानीखेत

Sl. No.	ITEM	ALIGNMENT MARKED 1 (Red)	ALIGNMENT MARKED 2 (Brown)
B.	Rainfall data average annual peak intensities, monthly distribution to the extent available	Not available but 250mm to 800mm	Not available but 250mm to 800mm
C.	Length of road covered snow, average and period	Nil	Nil
D.	Wind direction and velocity	E/W direction	E/W direction
E.	Fog conditions	During winter and rainy season	During winter and rainy season
F.	Exposure to sun	Whole day	Whole day
13.	Drainage characteristics of the area indicating susceptibility to damage.	Drainage is fair	Drainage is fair
14.	Length of land slides.	Nil	Nil
15.	Length of unstable area.	Nil	Nil
16.	Length of heavy snow clearing.	Nil	Nil
17.	Length of Marshy & flooded areas.	Nil	Nil
18.	Length of positions with loose rocks.	Nil	Nil
19.	Period required for construction.	3 Years	3 Years
20.	Vegetation extent/Type.	Covered with local bush & pine trees	Covered with local bush & pine trees
21.	Critical Expect		
A.	Village following on or within.		
	1.225 to 2.500 k.m. of the alignment	Pajai bakhali	Pajai bakhali
	2.525 to 2.750 k.m. of the alignment	Kanuri bakhali	Kanuri bakhali
	3.450 to 4.200 k.m. of the alignment	Kanuri bakhali	Kanuri bakhali
	5.025 to 6.550 k.m. of the alignment	gaanjar	gaanjar
	6.575 to 6.800 k.m. of the alignment	Tamta bakhali	Tamta bakhali
	6.825 to 7.900 k.m. of the alignment	Bajkoti bakhali	Bajkoti bakhali
	7.925 to 9.000 k.m. of the alignment	Syushyali gaoun	Syushyali gaoun
	10.175 to 13.000 k.m. of the alignment	Tanshali sain	Tanshali sain
	14.025 to 15.000 k.m. of the alignment	Tanshali sain	Tanshali sain
	15.025 to 15.500 k.m. of the alignment	Mathkhani	Mathkhani
22.	Important village, town/marketing center connected.		
23.	Economics & Industrial consideration :		
i.	Population served by alignment.	3000 Approximately	3000 Approximately
ii.	Agricultural, potential for development of forest.	Large scope of Agricultural & horticulture development	Large scope of Agricultural & horticulture development
24.	Scope of agriculture and horticulture development.	Good scope of horticulture	Good scope of horticulture

अध्यापक सहायक

महाविद्यालय

सहायक अध्यापक

प्रादेशिक स्तर पर

नि. वि.

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अध्यापक सहायक

प्रा. वि.

J.E.

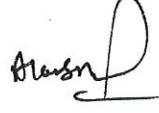
प्रमाण-पत्र

कार्य का नाम :-

जनपद अल्मोड़ा में विधानसभा क्षेत्र सल्ट के अन्तर्गत
मंगरौखाल-तनसाली सैण-कालिका खाल मोटर मार्ग का नव
निर्माण का संरेखण प्रस्ताव।
स्वीकृत लम्बाई 16.00किमी.।

प्रमाणित किया जाता है कि प्रस्तावित संरेखणों को कार्यस्थल पर मेरे द्वारा नीचे दर्शायी गयी तिथि को निरीक्षण के समय देख लिया गया है तथा प्रस्तावित संरेखण तकनीकी दृष्टि से उचित है।

कनिष्ठ अभियन्ता द्वारा निरीक्षण तिथि

:- 28.7.2015 

सहायक अभियन्ता द्वारा निरीक्षण तिथि

:- 04-08-2015 

अधिशाली अभियन्ता द्वारा निरीक्षण तिथि

:- 4.8.2015 


K. P. Singh

कनिष्ठ अभियन्ता
प्रान्तीय खण्ड, लोक निर्माण विभाग,
रानीखेत


S. P. Singh

सहायक अभियन्ता
प्रान्तीय खण्ड, लोक निर्माण विभाग,
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A. P. Singh

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रानीखेत

प्रारूप-13

Performa for comparison between indentified alignments

Alignment

Sl. No.	Variables	Alignment No.-1	Alignment No.-2
1	Topography		
2	Length of road		
3	Bridging requirement No. and Length		
4	Geometric		
	(a) Gradients		
	(b) Curves , H.P Bends		
5	Existing Means of communication , mule path, jeep. Tracks etc.		
6	Right of way, bringing out, construcion on account of built up areas, monuments and other structures.		
7	(a) Terrain& Soil Condation		
	(vi) Cliffs and gorges. (vii) Drainage characteristics of the area including supertibility to flooding. (viii) General elevation of the road indicating maximum and minimum height negotiated main ascends and discends. (ix) Variations extants and types.		
8	Climate Condation: (a) Temperature Monthly max. min reading. (b) Rainfall data average annual peak intensities monthly distribution (to the axtent available. (c) Snowfall data average annual peak intensities monthly distribution (to the extent available).(d) Wind direction and velocities, (e) Fog Condition. (f) Exposure to sun, (g)Unusual weather condition like cloud brust etc.		
9	Facilities resources. (a) Landing ground. (b) Dropping Zone (c) Food Stuffs (d) Labour local availability and need for import. (e) Construcion material (Timber, Bamboo , sand Stone, Shingle etc. extent of their availability and lead involved.		
10	Value of land, agricultural land, Irrigated land,		

	bult up land, forest land etc.		
11	Approximate Const. Cost.		
12	Access point indicating possibility of induction of equipment.		
13	Period required for construcion.		
14	Strategic Consideration.		
15	Important villages, towns and markets centers to be connected.		
16	Recreational potential.		
17	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.		
18	Other major development projects being taken up electric projects etc.		
19	(i) Misc. such as camping sites (ii) Law and other problem (iii) Royalty (iv) Availability of contractors for collection and carriage of construction material (v) Working period available for construction of work.		
20	Total No. of trees to be removed.		
21	Average Density of forest cover.		
22	Total No. of Merits		
23	Total No. Of Demerits		

RECOMMRNDATIONS:

Proposed Site Recommended for approval being more economical, useful & technically feasible.


 अधिशासी अभियन्ता,
 प्रान्तीय खण्ड, लो०नि०वि
 रानीखेत