Add Addachment 2.4

DETAIL OF TOPOGRAPHY OF ALIGNMENT
र्ध का नाम:- तल्ला रामगढ़ रातीघाट मोटर मार्ग के किमी० ६ से किमुपानी, थानदेव के सैमधार से सैम मंदिर तक ट्रंप मार्ग का नव निर्माण कार्य। (लम्बाई- 5.000 कि०मी०)

Point of Topography of the Road	Proposed Allignment No-1	Proposed Allignment No-2
	This alignment started from Km.6 of Talla Ramgarh Ratighat motor road and connects villages Kimupani ,Thandev and saimdhar	This alignment started from Km.6 or
terminal point	5.000 Km.	5.450Km.
Geometries:- (I) Gradient in different stretches (ii) Curves and hairpin bends etc.	1:20R/F,1:40R,&1:60 R 11	1:18R/F,1:40R,&1:50R
Terrain soil conditions:- (I) Geology of area (ii) Road length passing through	Hill area	12 No Hill area
Terrain soil conditions:- (I) Geology of area (ii) Road length passing through (a) Mountainous terrain (cross slop from 25% to 40 %) (b) Mountainous terrain (cross slop from 40% to 70%)	3.500 Km.	2.700 Km.
(c)Rocky stretches with indicating of length in loose stretches (d) Snow bound area	0.500 km. Nil	1.500 Km. 1.25 Nil
Nature of soil:- (I) Length of reaches with earth & boulder (ii) length of reaches with medium rock/shale (iii) Length of reaches with hard rock/shale (iv) Length of reaches with homogeneous rock	2.600 Km. 1.700Km. 0.700Km. Nil	1.900 1.600 1.950
Requirement of bridges: I Minor Bridges (a) Total No. (b) Span (c) Total water ways 2 Major Bridges (a) Total No. (b) Span (c) Total water ways General elevations	Nil Nil 3No.(3N0 Causeways incl.) Nil N.A. Nil	Nil Nil 4No.(4N0 Causeways incl.) Nil N.A. Nil
General elevation of the road (i) Indicating maximum and minimum height negotiated by main ascends and descends (ii) Iotal No. of ascends & descends (iii) Iotal No. of cliffs & gorges	1400-1550Mts. 01, 01 Nil	1400-1550Mts. 01, 01 Nil

Add Assistant Engineer Assistant Engineer Attended

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नगावक जीवावन्त्र

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N. Point of Topography of the Road	Alignment	Alignment
(a) Right of way bringing out construction on account of built up area, mountains and other structure.	Total Mountain Area	Total Mountain Area
(b)Approximate area and value. (i) Cultivated land (ii) irrigated	1.150 Km	0.800, Km.
(iii) Unirrigated	1.150 Km	. Nil • 0.800Km.
(a) Existing means of inter communications, sub path, Geep,track etc. (b) Relation of proposed alignment with exiting, under construction road.		Winds and the same of the same
Geep,track etc. (b) Relation of proposed alignment	Bridle path, Mule track	Bridle path, Mule track
with exiting, under construction road.	This alignment connect to Talla Ramgarh Ratighat M/Road	This alignment connect to Talla Ramgarh Ratighat M/Road
(a) Availability of road construction material. (b) Location of quarries (c) Average lead	Stone will be available from hill side cutting Haldwani (a)2.50 Km(b)65.00Km.	Stone will be available from hill side cutting Haldwani (a)2.50 Km(b)65.00Km.
(a) Facilities/resources (i) Landing ground (ii) Dropping zones (iii) Food stuffs (iv) Labour (locally available or need of import) (v) Construction material -timber bamboos, stone etc.	Nil Nil Local food grain available As per contract basis (Locals & Napalis) Stone & sand locally available, grit from Haldwani quarry.	Nil Nil Local food grain available As per contract basis (Locals & Napalis) Stone & sand locally available, grit from Haldwani quarry.
Access points: Indication possibilities of inductions of equipment	Talla Ramgaeh	Talla Ramgaeh
Climatic condition (a) Temperature Maximum and minimum (b) Rain fall dates wind-direction	Max.(30°),Min.(2°)	Max.(30°),Min.(2°)
velocity (c)Exposed of sun (d)Drainage characteristic of area, indicating susceptibility of drainage	June - September 6 to 7 hour during clear weather North-East Minor damages may occur during the rainy season.	June - September 6 to 7 hour during clear weather North-East Minor damages may occur during the rainy season.
Length of land slides	Nil	Nil
Length of unstable area	50 M	150 M
Ength of heavy clearing	Nil	Nil
Length of marshy or flodded area	Nil	Nil

Add Assistant, Engineer

Assistant Engineer Photo Copy Allasted अविशासी अभिगाता निमिष्टि खेड, लेंगिन विभाग किनीताल.

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Add Attachment - 24		
Point of Topography of the Road	Alignment	Alignment
(a) Important villages, towns, market ing center and commercial center (b) Length of portion with loose	Talla Ramgarh	Talla Ramgarh
Tocks villages following with	50 Mtrs Nil	150 Mtrs
Ginst Km.to 5th Km.of alignment	50 Mtrs	Nil
Period required for construction	2 year	150 Mtrs
Vegetation	Grass and bushes,	2 year Grass and bushes,
	Chir wood trees.	Chir wood trees.
Political aspects	Nil	Nil
Strategic conditions	Crops, vegetable & Fruit etc	Crops, vegetable & Fruit etc
Economic and Industrial (I) Population secured by the alignment	App.350 Total Population	App 350 Total Population
Recreational potential and development of tourism	Yes	Voc
Scope of agriculture of horticulture Development		& agriculture. Locally produced fruit
Exploitation of forest wealth	Nil	Nil
Aspects of development of minor and major hydroelectric projects	Nil	Nil
Approximate cost of construction	259.00 Lac.	282.31Lac.
(a) Merits (b) Demerits	1.Development of area, connects all nearby villages of above 350 population in total. 2.Shortest route to Thesil & Distt Headquarter Nil	nearby villages of above
As other useful information, other important project etc. being area required completion of the work	This M/R will be shortest route for these villages to connect Thesil & Distt head quarter.	This M/R will be shortest route for these villages to connect Thesil & Distt head quarter
Recommendation of the Executive Engineer. Grader of Superintending Engineer		aspects of the work Alignment ?

Add Assistant Engineer

Photo Copy Attented

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