

COMPRATIVE STATEMENT OF VARIOUS ALIGNMENT OF THAPALI TO RAHELI MOTOR ROAD

Sl. No.	Item work	Alignment No. 1 (marked in red colour)	Alignment No 2 (show in Green colours)
1	2	3	4
1	Details of various topography of the area:- (a) Main feature of the alignment description of the alignment.	This alignment start from Bhujan-Betalghat motor road in km. 7.00	This alignment start from Bhujan-Betalghat motor road in km. 7.00
2	Length of the alignment (from starting point to sanctioned length)	3.50 Km	3.50 Km
3	Geometric:- a) Gradient of different stretches of the alignment	Chainage 00 to 0.050 in 1:40 R(AV) Chainage 0.050 to 1.650 in 1:24 R	Chainage 00 to 0.350 in 1:18(AV) Chainage 0.350 to 2.000 in 1:20 R
4	b) Curves and H.P. bends	Chainage 1.650 to 1.900 in Level Chainage 1.900 to 2.775 in 1:24 F Chainage 2.775 to 3.300 in 1:40 F Chainage 3.300 to 3.500 in 1:120 R	Chainage 2.000 to 3.500 in 1:24 R
	Terrain soil condition :-	Nil	H.P. Bends -4 No.
	1. Geology of area	Soil mixed	Same as alignment (1)
	2. Road length passing through	Nil	Nil
	a) Mountainous terrain (cross slope 25%-60%)	300 Mts. (Approx.)	300 Mts. (Approx.)
	b) steep terrain (cross slope more then 60%)	300 Mts. (Approx.)	500 Mts. (Approx.)
	c) Rocky Stretches with indication of length in loose rock stretch	NIL	250 Mts. (Approx.)
	d) Area subjection to avalanches/snow drifts.		
		Nil	Nil

J.E.

सहायक अभियन्ता
निर्माण खण्ड, जे. ए. ०. १०. विभाग

अभिजाती अभियन्ता
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Add. Attachment - 2.4

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1	2	3	4
5	Nature of soil:-		
	a) Length of reaches with E & B	2.000	2.000
	b) Length of reaches with medium rock/shale	0.750	0.500
	c) Length of reaches with V.H.R./V.V.H.R./shale	0.750	1.000
	d) Length of reaches with home rock shale	-	-
6	Bridge Requirement:-		
	a) Bridge	-	-
	b) Total nos	-	-
	c) Range of span	-	-
	d) total water way	-	-
7	Major bridge:		
	a) General elevation of the road indication maximum and minimum heights negotiated by main ascends and descend	-	-
	b) Total no. ascends and descend length of cliff.	-	-
8	a) Right of way bringing out construction on account of built up area mountains other structure.	-	-
	b) Approximate area and value:		
	c) Cultivated	1.085 Hect.	1.555 Hect.
	d) Irrigated	-	-
	e) Unirrigated	1.085 Hect.	1.555 Hect.
	f) Forest (a) Land	1.365 Hect.	0.895 Hect.
	g) Tree	15 No.	35 No. approx.

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9	a) Existing means of other communication as mule path jeep truck etc. b) Relation of proposed alignment with exiting under construction road.	Mule path & foot path New construction of road	Mule path & foot path New construction of road
10	a) Availability of road construction materials b) Location of quarries c) Average lead	20% stone may be available along the alignment Nil 2.00 Km.	15% stone may be available along the alignment Nil 2.00 Km.
11	Facilities resources: a) landing ground b) dropping zone c) food stuffs d) labour local availability and need for import e) construction material timber bamboo sand stone and shingle etc extent of this availability & need involved	 0.500Km Nil Wheat, Rice, Orange, Malta, Mango, Banana, Local labour are not available	 0.500 km Nil Wheat, Rice, Orange, Malta, Mango, Banana, Local labour are not available
12	Access point indicating possibilities of achievement	-	-

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COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT OF THAPALI TO RAHELLI MOTOR ROAD

Sl. No.	Item work	Alignment No. 1 (marked in red colour)	Alignment No 2 (show in Green colours)
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13	Climatic condition:-		
	a) Temperature monthly max & min. reading.	Approximate max. 30°, Min. 15°	Approximate max. 30°, Min. 15°
	b) Rain fall data average annual/ peak intensity monthly distribution to extent available length of road covered by snow and period.		
	c) Wind direction	Not observed	Not observed
	d) Fog condition	Nil	Nil
	e) exposure of sun	Sunny face	Sunny face
		West to east	West to east
		Not observed	Not observed
14	Length of land slide	-	-
15	Length of unstable area	-	-
16	Length of heavy clearing	-	-
17	Length of mardy & flooded area	-	-
18	Length & position of home rock	-	-
19	Period required for construction	1.50 Years	1.50 Years
20	Vegetation extent type	Local fruits & Vegetarians	Local fruits & Vegetarians
21	Political aspects:		
	a) Village falling on within 2.00 km of alignment	Nil	Nil
	b) Village falling on within 6.00 km of the alignment	Nil	Nil
22	Important village town market connected:-		
	Strategic consideration	Kherana	Kherana

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सहायक अभियन्ता
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अभिमान अभियन्ता

COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT OF THAPALI TO RAHELLI MOTOR ROAD

S.No.	Item work	Alignment No. 1 (marked in red colour)	Alignment No 2 (show in Yellow colours)
1	2	3	4
23	Economic and industrial consideration		
24	1: Population served by alignment Recreational potential and potential for development of tourism-	1000 Nil	1000 Nil
25	Scope for agriculture and horticulture development	The area is rich in horticulture, Agriculture development	The area is rich in horticulture, Agriculture development
26	Extent of forest wealth	Timber is available Nil	Timber is available Nil
27	Prospect of development project being taken up in the area e.g. hydroelectric project.		
28	Approximate cost of each alignment	122.50 Lac	122.50 Lac
29	Merits and demerits:-	Length of Road - 3.50Km. Village benefited- Raheli No. bridge, H.P. bends - Nil. land available Nap - 1.085 Hect. Benap - 1.365 Hect.	Length of Road - 3.70Km. Village benefited- Raheli No. bridge - Nil, H.P. bends - 4 No. land available Nap - 1.555 Hect. Benap - 0.895 Hect.
30	Any other useful information (via. other important project being under taken in the area required for construction of the work)	Nil	Nil
31	Recommendation of the Executive Engineer	Recommendad Alignment No. 1 (Based on above merits and demerits.)	Recommended Alignment No. 2 (Based on above demerits.)


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