

ALIGNMENT REPORT

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कार्य का नाम— जनपद अल्मोड़ा के विकासखण्ड हवालबाग में कटारमल सूर्य मंदिर से बिसरा-कनौली होते हुए ज्योली रानीखेत तक लिंक मोटर मार्ग का नव निर्माण।

S.No.	Description of Items	Alignment No.1	c3
1	2	3	4
1	Detail of route vis-à-vis topography of the area.	This road will start from Kosi-Katarmal Motor Road from Km.03 (From End point).This area is situated in Block Hawalbagh and Distt. Almora.	This road will start from Kosi-Katarmal Motor Road from Km.03 (From Starting point).This area is situated in Block Hawalbagh and Distt Almora.
2	Length of road	2.750 Km*	4.00 Km
3	Bridging requirements- Number, Length	Nil	Nil
4	(a) Gradient in different stretches of the alignment.	1:20R,1:24R, 1:22R,1:40F & Level	1:24R,1:20R, 1:30R,1:40R & Level
	(b) Curves, Hair Pin, bends etc.	Convex & Concave, spiral curve shall be used for transition H.P. bend- 04	Convex & Concave, spiral curve shall be used for transition H.P. bend- 05
5	Existing means of communication Mule path, Jeep Track, etc.	Mule path/foot track	Mule path/foot track
6	Right of way bringing out constraints on account of built -up area, monuments, and other structures.	-	-
7	Terrain & Soil conditions .		
	7.1. Geology of the area	As per attached Geologist report	As per attached Geologist report.
	7.2. Nature of soil	O.S. & O.R., H.R.	O.S. & O.R., H.R.
	7.3. Road length passing through-		
		100%	100%
	(ii) Steep terrain	Nil	Yes
	(iii) Rock stretches with indications of loose rock conditions.	Nil	Yes
	(iv) Area subject to avalanches And snowdrifts	Nil	Nil
	(v) Slip-prone areas	Nil	Nil
	7.4. Cliffs and Georges	Nil	Nil
	7.5. Drainage characteristics of the area including susceptibility to fooding	Good drainage	Good drainage
	7.6. General elevation of the road indicating maximum and	Max. RL. 1208.88 M	Max. RL. 1216.25 M
	Minimum heights negotiated by main ascents and descent.	Min. RL 1100.00M	Min. RL. 1100.00 M
	7.7. Total numbers of ascent and	1 ascent	1 ascent


	descents	-	-
	7.8. Vegetation - extent and type	Bushes, plants and some trees etc. Exact no and type as per forest deptt.	Bushes, plants and some trees etc. Exact no and type as per forest deptt.
3	Climatic conditions		
	8.1. Temperature monthly maximum/minimum.	Max. 35 ^o (Apprx.) Min. 15 ^o (Apprx.)	Max. 35 ^o (Apprx.) Min. 15 ^o (Apprx.)
	8.2. Rainfall average, annual, peak intensity, monthly description to the extent possible.	950 MM	950 MM
	8.3. Snowfall data- average annual, peak intensities monthly distribution (to the extent available)	Few times in winters in short area.	Few times in winters in short area.
	8.4. Wind direction.	General type	General type
	8.5. Fog conditions.	During winter and rainy season	During winter and rainy season
	8.6. Exposure to sun.	95% of the length	95% of the length
	8.7. Unusual weather condition like cloudbursts etc.	Occasional	Occasional
9	Facility/Resources.		
	9.1. Landing ground	-	-
	9.2. Dropping zone	-	-
	9.3. Foodstuffs.	Foodstuffs are there	Foodstuffs are there
	9.4. Labour local availability & need for import.	Local & Nepali. Labour will be needed	Local & Nepali. Labour will be needed
	9.5. Construction materials, timber bamboo, sand stone, shingle etc. Availability and leads involved.	stone within 1-3 Km far available, sand and shingles quarry in Haldwani.	stone within 1-3 Km far available, sand and shingles quarry in Haldwani.
10	Value of land.		
	10.1 Agriculture land, Irrigated land,	As per Circle Rate.	As per Circle Rate.
	10.2 Built up land, Forestland etc.	Nil	Nil
11	Approximate construction cost	33.98	33.98
12	Access points indicating possibility of induction of equipments	-	-
13	Period required for construction	After transfer of land -3 year	After transfer of land -3 year
14	Strategic considerations	Good	Good
15	Recreational potential	Possibilities are there	Possibilities are there
16	Important villages town and marketing centers to be connected	Katarmal & Bisra	Katarmal & Bisra
17	Economic Factors :		
	(a) Population served by the Alignment	1550	1550
	(b) Agriculture and economic potential of the area.	Agricultural Products will reach up to nearest market and farmers will get good price. Employment will generate	Agricultural Products will reach up to nearest market and farmers will get good price. Employment will generate
18	Other major developmental project being taken up in the area e.g. hydroelectric projects	-	-


19	Miscellaneous such as, camping sites, law and order problems, royalty charges, availability of contractors for collection and carriage of construction materials.	Condition are favourable,	Condition are favourable
20	Working period available for construction work etc.	Working period available whole year except rainy season	Working period available whole year except rainy season
21	Total No. of trees to be removed .	147	—
22	Average Density of forest cover .		
23	Total No. of Merit	1	Nil
24	Total No. of Demerits	Nil .	All villagers are not agree with this alignment.


RECOMMENDATIONS:


Alignment no. (1) Recommended for approval being more economical, useful & technically feasible.

I of the concerned DFO is essential.


 सहायक अभियन्ता,
 प्रांतीय खण्ड, लो. नि. वि.
 अल्मोडा.


 अविशासी अभियन्ता,
 प्रांतीय खण्ड, लो. नि. वि.
 अल्मोडा.


 वन क्षेत्राधिकारी
 अल्मोडा वन प्रभाग अल्मोडा


 वन प्रशासक वन क्षेत्राधिकारी
 अल्मोडा वन प्रभाग अल्मोडा