

**Performa for comparison between identified alignment**

कार्य का नाम— जनपद अल्मोड़ा में कठपुडिया से कलोड़िया (कतुनिया) मोटर मार्ग का निर्माण कार्य।

S.No	Description of Items	Alignment No.1	Alignment No.2
1	2	3	4
1	Detail of route vis-à-vis topography of the area.	This road will start from end Point of Kathpuriya-bangser Motor Road (Km 3.00). This area is situated in Block Hawalbagh and Distt. Almora.	This road will start from end Point of Kathpuriya-bangser Motor Road (Km 3.00). This area is situated in Block Hawalbagh and Distt. Almora.
2	Length of road	1.850 Km	1.875 Km
3	Bridging requirements- Number, Length	5 Mtr Span Culvert	6 Mtr Span culvert
4	(a) Gradient in different stretches of the alignment. (b) Curves, Hair Pin, bends etc.	1:20F, 1:20R, 1:24F & Level Convex & Concave, spiral curve shall be used for transition H.P. bend- 02	1:24F, 1:20F, 1:20R, 1:40F, 1:40R & Level Convex & Concave, spiral curve shall be used for transition H.P. bend- 04
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-	-	-
	(i) Mountainous terrain	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	Good drainage	Good drainage
	7.6. General elevation of the road indicating maximum and	Max. RL.1200.00 M	Max. RL.1200.00 M
	Minimum heights negotiated by main ascents and descent.	Min. RL.1443.96 M	Min. RL.1145.00 M

	7.7. Total numbers of ascent and descents	1 ascent	1 ascent
		2 descent	2 descent
	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.
8	Climatic conditions		
	8.1. Temperature monthly maximum/minimum.	Max. 8 <sup>0</sup> (Apprx.)	Max. 8 <sup>0</sup> (Apprx.)
		Min. 50 <sup>0</sup> (Apprx.)	Min. 50 <sup>0</sup> (Apprx.)
	8.2. Rainfall average, annual, peak intensity, monthly description to the extent possible.	1000 MM	1000 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.	Nil	Nil
	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.	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
	Availability and leads involved.		
10	Value of land.		
	10.1 Agriculture land, Irrigated land, 10.2 Built up land, Forestland etc.	As per Circle Rate. As per Revenue and forest Deptt	As per Circle Rate. As per Revenue and forest Deptt
11	Approximate construction cost	86.21 Lacs	87.38 Lacs
12	Access points indicating possibility of induction of equipments	-	-
13	Period required for construction	After transfer of land -1 year	After transfer of land -1½ 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	Kathpuriya, bangser and kalodiya	Kathpuriya, bangser and kalodiya
17	Economic Factors :		
	(a) Population served by the Alignment	56	56
	(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 Not 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 .		
22	Average Density of forest cover .		
23		1- Transportaion is easy to being standard gardiaent. 3- Less forest land Affected.	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.



सहायक अभियन्ता,  
प्रान्तीय सड़क, लो. नि. वि.  
अल्मोड़ा,

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प्रान्तीय सड़क, लो. नि. वि.  
अल्मोड़ा.



Note - Signature and approval of the concerned DFO is essential.



वन क्षेत्राधिकारी  
अल्मोड़ा वन क्षेत्र अल्मोड़ा

उप प्रभाग वनाधिकारी  
अल्मोड़ा वन प्रभाग अल्मोड़ा

प्रभागीय वनाधिकारी,  
अल्मोड़ा वन प्रभाग, अल्मोड़ा