

ALIGNMENT REPORT

2.225

2.4

Work-Construction of Bhaisauli to Dalmati-Bituliya Motor Road from Dwarson-
Kakrighat Motor Road Near Tanwari Bend.(Length= 6.00Km)

Description of Items	Alignment No.1	Alignment No.2
2	3	4
Detail of route vis-à-vis topography of the area.	This road will start from the end point of Tanwari Bend to Bhaisauli link motor Road, from Dwarson-Kakrighat Motor Road(Km.12.00)	This road will also start from the end point of Tanwari Bend to Bhaisauli link motor Road, from Dwarson-Kakrighat Motor Road(Km.12.00)
Length of road	6.000 Km	6.000 Km
Bridging requirements- Number, Length	1 No. 6 Mtr Span	2 No. 12Mtr Span 6 mtr span
Gradient in different stretches of the alignment.	1:20R, 1:20F, 1:18R, 1:18F, 1:40F, 1:40R & Level	1:20R, 1:20F, 1:18R, 1:17R, 1:17F, 1:40F, 1:40R & Level
Curves, Hair Pin, bends etc.	Convex & Concave, spiral curve shall be used for transition H.P. bend- 08	Convex & Concave, spiral curve shall be used for transition H.P. bend- 15
Existing means of communication Mule path, Jeep Track, etc.	Mule path/foot track	Mule path/foot track
Right of way bringing out constraints on account of built -up area, monuments, and other structures.	-	-
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 flooding	Good drainage	Good drainage
7.6. General elevation of the road indicating maximum and	Max. RL1700.0 M	Max. RL1000 M
Minimum heights negotiated by main ascents and descent.	Min. RL 1548.75 M	Min. RL840.37 M

7.7. Total numbers of ascent and descents	7 ascent 5 descent	7 ascent 7 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 ⁰ (Apprx.) Min. 45 ⁰ (Apprx.)	Max. 8 ⁰ (Apprx.) Min. 45 ⁰ (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.	During winter and rainy season	During winter and rainy season
8.6. Exposure to sun.	95% of the length	95% of the length
9. Unusual weather condition like cloudbursts etc.	Occassional	Occassional
10. 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 within 1-3 Km far available, sand	stone within 1-3 Km far available, sand
stone, shingle etc.	and shingles quarry in	and shingles quarry in
Availability and leads involved.	Haldwani	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		
12. Access points indicating possibility of induction of equipments		-
13. Period required for construction	After transfer of land -2 year	After transfer of land -2 year
14. Strategic considerations	Good	Good

Recreational potential	Possibilities are there	Possibilities are there
Important villages town and marketing centers to be connected	Bhaisauli, Bagicha, Bituliya And Dalmauti.	Bhaisauli, Bagicha, Batuliya And Dalmauti.
Economic Factors		
(a) Population served by the Alignment	840	840
(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
Other major developmental project being taken up in the area e.g. hydroelectric projects	-	-
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
Working period available for construction work etc.	Working period available whole year except rainy season	Working period available whole year except rainy season
Total No. of Merits	1- Transportaion is easy to being standard gardiaent. 2- 08 HP Bends.	Nil
Total No. of Demerits	Nil	All villagers are not agree with this alignment. , 15 HP Bands

h m s e
Junior Engineer

h m s e
Assistant Engineer

h m s e
Executive Engineer

Recommendation of Superintendent Engineer :- The Road alignment No.1 is recommended.

h m s e
34/11/19

h m s e
वन सर्वेक्षिका
राजीव नन क्षेत्र
अल्मोड़ा नन प्रभाग
अल्मोड़ा

Superintendent Engineer

छाया नि स्थापित
सहायक अभियन्ता
प्रान्तीय खण्ड, लो० नि० वि०
अल्मोड़ा

उपप्रभागिय वन अधिकारी राजीव
अल्मोड़ा वन प्रभाग अल्मोड़ा

h m s e
20/11/19
अधीक्षण अभियन्ता
प्रथम वृत्त, लो० नि० वि०
अल्मोड़ा