

Alignment

Name of work-Alignment of naogoan kanarichhina Motor Road. In Distt. Almora

Sanctioned Length= 4.00Km .

S.N.	Particular	Alignment No-1	Alignment No-2
	Topography	Start from last point of kholshir naogoan Motor road Km 06 hec 8-10	Start from jamrani bend to naogoan C.C. motor road Km 02 hec 0-2
2	Length of Road	2.015km	2.00km
3	Bridging requirement No. and Length	15 Mtr span	15 Mtr span
	Geometric	Nap & Benap Land, Forest Land	Nap & Benap Land, Forest Land
	(a) Gradients	1:24F 1:24R 1:40F & Level	1:24F 1:24R 1:40F & Level
	(b) Curves, H.P. Bends	1 No. H.P. Bends	3 No. H.P. Bends
5	Existing means of communication, mule path, jeep, Tracks etc.	villages are connected by foot track.	villages are connected by foot track.
6	Right of way, bringing out. Construction on account of built up areas, monuments and other structures	No such construction involved	Same as alignment no.1
7	(a) Terrain & soil condition		
	(i) Nature of soil	E.&B., H.S., V.H.S.	E.&B., H.S., V.H.S.
	(ii) Geology of the area	, cultivated and Hill area	, cultivated and Hill area
	(b) Road length passing through		
	(i) Mountainous terrain	Approx.80%	Approx.80%
	(ii) Steep terrain	Approx.20%	Approx.20%
	iii) Rocky stretches with indication of length in loose rocky stretches	Approx 0.50 km. rocky portion & 1.515 km. ordinary rocks.	Approx 0.50 km. rocky portion & 1.50 km. ordinary rocks.
	(iv) Area subject to avlanches and snow drift	Nil	Nil
	(v) Slip Zone Area	Nil	Nil
	(vi) Cliffs and gorges	Nil	Nil
	(vii) Drainage characteristics of the area including supceptibility to flooding	Area has good drainges	Area has not good drainges

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	(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends	maximum hight 1500.00 m minimum height 1465.00 m	maximum hight 1500.00 m minimum height 1468.53 m
	(ix) Variations extants and types	Nil	Nil
8	Climate condition:		
	(a) Temperature monthly max.& min. reading.	Approx.30 ⁰ C to 8 ⁰ C	Approx.30 ⁰ C to 8 ⁰ C
	(b) Rainfall data average annual peak intensities monthly distribution(to the extent available)	Not available	Not available
	(c) Snowfall data average annual peak intensities monthly distribution(to the extent available)	Mostly winter season Record not available	Mostly winter season Record not available
	(d) Wind direction and	Not available	Not available
	(e) Fog condition	Often in rainy season	Often in rainy season
	(f) Exposure to sun	Almost in all the year	Almost in all the year
	(g) Unusual weather	Nil	Nil
9	Facilities resources		
	(a) Landing ground	Not available	Not available
	(b) Dropping Zone	Not available	Not available
	(c) Food stuffs	Crops, vegetables, fruits, Milk production area	Crops, vegetables, fruits, Milk production area
	(d) Labour local availability and need for import	Local & Nepali labour also available	Local & Nepali labour also available
	(e) Construction material (Timber, Bamboo, Sand, stone, shingle etc. extent of their availability and lead involved	Stone locally available & other material available App. 138 km away at Haldwani.	Same as alignment no.1
0	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	As per current Government rate	As per current Government rate
1	Approximate Const. Cost	Total cost Rs 104.37 lacs	Total cost Rs 103.60 lacs
2	Access point indicating possibility of induction of equipment	At present access not available	Same as alignment No.1
3	Period required for construction	2 years after land transfer	Same as alignment No.1
4	Strategic Consideration	To provide better	Same as alignment No.1

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5	Important villages, towns and markets centers to be connected	villages – Bhagtola, Sakar, Sakaniyakot, Chaura will be connected by m/r and also Blaock Talula & district headquarter. Almora	Same as alignment No.1
6	Recreational potential	Good	Same as alignment No.1
17	Economic Factors:		
	(a) Population served by the alignment	Appx.1000	Appx.1000
	(b) Agricultures and economic potential of the area	Population of above village will be benefited good.	Same as alignment No.1
8	Other major development projects being taken up electric projects etc.	Nil	Nil
	(i) Misc. such as camping sites	Nil	Nil
	(ii) Law and other problem	Nil	Nil
	(iii) Royalty	Nil	Nil
	(iv) Availability of contractors for collection and carriage of construction material	Local contractor are available for the work.	Local contractor are available for the work.
	(v) Working period available for construction of work	Approximately 9 months a year working period available	Same as alignment No.1
20	Merits	1-Easy grades involved. 2-Min. Forest land affected from this alignment. 3- 1 No. H.P. band	Nil
21	Demerits	Nil	1-More cost involved in this alignment. 2- 3 No. H.P. band 3-Max. Forest land affected from this alignment.

RECOMMENDATIONS:

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

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Junior Engineer
C.D., P.W.D.,
Almora

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Executive Engineer
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समस्त कार्य शीघ्र ही पूर्ण हो जायगा
आपकी आज्ञाकारी आज्ञा का हम हमेशा पालन करेंगे