

AlignmentName of work-Alignment of Naini Kwearali Motor Road. In Distt. AlmoraSanctioned Length=4.00 KM.


Sl. No	Particular	Alignment No-1	Alignment No-2
1	Topography	Start from Artola Jageshwar Naini Motor road in Km 20 Hec 8-10	Start from Artola Jageshwar Naini Motor road in Km 20 Hec 8-10
2	Length of Road	1.825 Km.	3.00 Km.
3	Bridging requirement No. and Length	Nil	Nil
4	Geometric	Nap Land , Reserve Forest Land	Nap Land , Reserve Forest Land
	(a) Gradients	1:22R, 1:20R, 1:40R & Level	1:22R, 1:24F, 1:22F, 1:40R & Level
	(b) Curves, H.P. Bends	2No. H.P. Bends	2No. 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 (ii) Geology of the area (b) Road length passing through (i) Mountainous terrain (ii) Steep terrain iii) Rocky stretches with indication of length in loose rocky stretches (iv) Area subject to avlanches and snow drift (v) Slip Zone Area	E.&B., H.S., V.H.S., , cultivated and Hill area Approx. 80% Approx. 20% Approx 0.500 km. rocky portion & 1.325 km. ordinary rocks. Nil Nil	E.&B., H.S., V.H.S., , cultivated and Hill area Approx. 80% Approx. 20% Approx 0.500 km. rocky portion & 2.5 km. ordinary rocks. Nil Nil
	(vi) Cliffs and gorges (vii) Drainage characteristics of the area including supceptibility to flooding (viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends (ix) Variations extants and types	Nil Area has good drainages maximum hight 1696 m minimum height 1620 m Nil	Nil Area has not good drainages maximum hight 1670 m minimum height 1590 m Nil


8	<p>Climate condition:</p> <p>(a) Temperature monthly max.& min. reading.</p> <p>(b) Rainfall data average annual peak intensities monthly distribution(to the extent available)</p> <p>(c) Snowfall data average annual peak intensities monthly distribution(to the extent available)</p> <p>(d) Wind direction and velocities</p> <p>(e) Fog condition</p> <p>(f) Exposure to sun</p> <p>(g) Unusual weather conditions like cloud burst etc.</p>	<p>Approx.32°C to 1°C</p> <p>Not available</p> <p>Mostly winter season Record not available</p> <p>Not available Often in rainy season</p> <p>Almost in all the year</p> <p>Nil</p>	<p>Approx.32°C to 1°C</p> <p>Not available</p> <p>Record not available</p> <p>Not available Often in rainy season</p> <p>Almost in all the year</p> <p>Nil</p>
9	<p>Facilities resources</p> <p>(a) Landing ground</p> <p>(b) Dropping Zone</p> <p>(c) Food stuffs</p> <p>(d) Labour local availability and need for import</p> <p>(e) Construction material (Timber, Bamboo, Sand, stone, shingle etc. extent of their availability and lead involved</p>	<p>Not available</p> <p>Not available</p> <p>Crops, vegetables, fruits, Milk production area</p> <p>Local & Nepali labour also available</p> <p>Stone locally available & other material available App. 175 km away at Haldwani.</p>	<p>Not available</p> <p>Not available</p> <p>Crops, vegetables, fruits, Milk production area</p> <p>Local & Nepali labour also available</p> <p>Same as alignment no.1</p>
10	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	As per current Government rate	As per current Government rate
11	Approximate Const. Cost	Total cost Rs 94.55 lacs	Total cost Rs 155.4 lacs
12	Access point indicating possibility of induction of equipment	At present access not available	Same as alignment No.1
13	Period required for construction	2 years after land transfer	Same as alignment No.1
14	Strategic Consideration	To provide better communication	Same as alignment No.1
15	Important villages, towns and markets centers to be connected	Villages – Kwearali will be connected by m/r and also Tahsil block & district headquarter.	Same as alignment No.1
16	Recreational potential	Good	Same as alignment No.1


17	Economic Factors: (a) Population served by the alignment (b) Agricultures and economic potential of the area	Appx.250 Population of above village will be benefited good.	Appx.250 Same as alignment No.1
18	Other major development projects being taken up electric projects etc.	Nil	Nil
19	(i) Misc. such as camping sites (ii) Law and other problem (iii) Royalty (iv) Availability of contractors for collection and carriage of construction material (v) Working period available for construction of work	Nil Nil Nil Local contractor are available for the work. Approximately 9 months a year working period available	Nil Nil Nil Local contractor are available for the work. Same as alignment No.1
20	Merits	1-Easy grades involved. 2-Min. Forest Land, affected from this alignment. 3- 2 No. H.P. band 4-Villages people approved this alignment.	Nil
21	Demerits	Nil	1-More cost involved in this alignment. 2-Max. Nap, Forest land affected from this alignment. 3- 2 No. H.P. band 4-Villages people not approved this alignment.

RECOMMENDATIONS:

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


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


Assistant Engineer
C.D., P.W.D.,
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Executive Engineer
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समस्त कार्य (1) जो नये से लाल रंग से दर्शाया
गया है, उसे जहाँ जहाँ के संरक्षित के साक्षर
अनुमति के बिना नहीं किया जायेगा।