

1.5/2.4

Alignment

Name of work-Alignment of Jamrari Bend To Belwal Gauon Motor Road. In Distt. Almora

Sanctioned Length= 3.00Km.

SL.N.	Particular	Alignment No-1	Alignment No-2
1	Topography	Start from Jamrari Bend to Naugaon Inter college C. C. road	Start from Barcehina Seraghat Motor road in Km 26
2	Length of Road	3.00 Km.	3.10 Km.
3	Bridging requirement No. and Length	15 m RCC motor Bridge	15 m RCC motor Bridge
4	Geometric	Nap Land	Nap Land
	(a) Gradients	1:24R 1:40R 1:24F & Level	1:24R 1:40R 1:24F & Level
	(b) Curves, H.P. Bends	Nil	Nil
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.20%	Approx.30%
	(ii) Steep terrain		
	iii) Rocky stretches with indication of length in loose rocky stretches	Approx 1.00 km. rocky portion & 2.00 km. ordinary rocks.	Approx 1.10 km. rocky portion & 2.00 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

Sl.N.	Particular	Alignment No-1	Alignment No-2
	(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and descends	maximum height 1513.52 m minimum height 1468.80 m	maximum height 1534.37 m minimum height 1489.57 m
	(ix) Variations extants and types	Nil	Nil
8	Climate condition:		
	(a) Temperature monthly max.& min. reading.	Approx.38 ⁰ C to 8 ⁰ C	Approx.38 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. 118 km away at Haldwani.	Same as alignment no.1
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 155.40 lacs	Total cost Rs 160.58 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

Sl.N.	Particular	Alignment No-1	Alignment No-2
15	Important villages, towns and markets centers to be connected	villages – Jamrari Bend, Belwal Gaon will be connected by m/r and also Block Bhasiyachanna & district headquarter. Almora	Same as alignment No.1
16	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
18	Other major development projects being taken up electric projects etc.	Nil	Nil
19	(i) Misc. such as camping sites	Nil	Nil
	(ii) Law and other problem	Nil	Nil
	(iii) Royailty	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. Nap, Banger land affected from this alignment.	Nil
21	Demerits	Nil	1-More cost involved in this alignment. 2-More Length of alignment. 3-Max. Nap, Banger land affected from this alignment.

RECOMMENDATIONS:

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


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