

1.5/2.4

17

Alignment

Name of work-Alignment of Mayoli Bend to Chinkholi Motor Road. In Distt. Almora
Sanctioned Length= 6.00Km.

Sl.No	Particular	Alignment No-1	Alignment No-2
1	Topography	Start from km 18 of Danya aara salphar Motor road 6.000 Km.	Start from km 18 of Danya aara salphar Motor road 6.000 Km..
2	Length of Road	NIL	NIL
3	Bridging requirement No. and Length	NIL	Nap Land & forest land
4	Geometric	1:24F 1:24R & Level	1:40F, 1:18F, 1:24F ; 1:24R & Level
	(a) Gradients	5 No. H.P. Bends	8 No. H.P. Bends
	(b) Curves, H.P. Bends	villages are connected by foot track.	villages are connected by foot track.
5	Existing means of communication, mule path, jeep, Tracks etc.	No such construction involved	Same as alignment no.1
6	Right of way, bringing out. Construction on account of built up areas, monuments and other structures.		
7	(a) Terrain & soil condition	E.&B., O.R., H.R	E.&B., O.R., H.R
	(i) Nature of soil	, cultivated and Hill area	, cultivated and Hill area
	(ii) Geology of the area		
	(b) Road length passing through	Approx.20%	Approx.30%
	(i) Mountainous terrain		
	(ii) Steep terrain		
	iii) Rocky stretches with indication of length in loose rocky stretches	Approx 1.50km. rocky portion & 4.50 km. ordinary rocks.	Approx 1.50km.rocky portion & 4.50 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 suscepibility to flooding	Area has good drainages	Area has not good drainages
	(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends	maximum hight 1750 m minimum height 1583.33 m	maximum hight 1750 m minimum height 1496.30 m

(ix) Variations extants and types		Nil	Nil
8	Climate condition:		
	(a) Temperature monthly max!& min. reading:	Approx.30 ⁰ C to 1 ⁰ C	Approx.30 ⁰ C to 1 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	Crops, vegetables, fruits, Milk
	(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. 133 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 45.93 lacs	Total cost Rs 45.93 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 – Mayoli,Chimkholi,Ara, 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:		

19

	(a) Population served by the alignment	Appx.1351	Appx.1351
	(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) 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. Nap, Banger land affected from this alignment. 3- 5 No H.P. band	Nil
21	Demerits	Nil	1-More cost involved in this alignment . 2-More Length of alignment . 3-8 no H.P Band required . 4-Max. Nap, Banger land affected from this alignment.

RECOMMENDATIONS:

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

Junior Engineer

Assistant Engineer

Executive Engineer

Alignment No① marked red colour in map approved as per recommendation of E.E.

प्रतिहस्ताक्षरित

प्रभ. य. य. अधिकारी,
सिविल एवं सार्वजनिक प्रशासन
बलमोहा.

1000/15
12-2-15
बधीक्षण अभियन्ता,
ग्राम दूध, लोक निर्माण विभाग
बलमोहा
22/02/15