

## Performa for comparison between identified alignments

S.N	Variables	Alignment No-1	Alignment No-2
1	Topography	Hilly, Start From Ahead Manan-Bamanigarh Motor Road Km.-6.500 to Chandrapur.	Hilly, Start From Ahead Manan-Bamanigarh Motor Road Km.-6.500 to Chandrapur.
2	Length of Road	2.000 KM.	2.200 KM.
3	Bridging requirement No. and Length	Nil	Nil
4	Geometric	Nap / Forest Land.	Nap / Forest Land.
	(a) Gradients	1:40 Rise, 1:24 Rise, 1:20 Rise, 1:30 Fall, And Level.	1:40 Rise, 1:20 Rise, 1:17 Rise, 1:20 Fall, And Level.
	(b) Curves, H.P Bends	As per IRC, 4 No of H.P.Band.	As per IRC, 5 No of H.P.Band.
5	Existing Means of communication, mule path, jeep, Tracks etc.	Village are connected are Foot Truck	Village are connected are Foot Truck
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	No such construction involved	No such construction involved
7	(a) Terrain & Soil Condition.	E&B, OR And HR.	E&B, OR And VHR.
	(vi) Cliffs and gorges.	Nil	Nil
	(vii) Drainage characteristics of the area including supceptibility to flooding.	Area has good drainage.	Area has good drainage.
	(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.	Maximum height 1721 mtr. Minimum height 1625 mtr.	Maximum height 1721 mtr. Minimum height 1625 mtr.
	(ix) Variations extants and types.	Nil	Nil
8.	Climate Condition:		
	(a) Temperature Monthly max. & min. reading.	Maximum 35-45°C Minimum 15-05°C	Maximum 35-45°C Minimum 15-05°C
	(b) Rainfall data average annual peak intensities monthly distribution (to the extent available).	1800mm. July- Aug. & Dec-Jan.	1800mm. July- Aug. & Dec-Jan.
	(c) Snowfall data average annual peak intensities monthly distribution (to the extent available).	Nil	Nil
	(d) Wind direction and velocities.	From North to South with moderate velocities.	From North to South with moderate velocities.
	(e) Fog Condition.	Some fog in winter and rainy season.	Some fog in winter and rainy season.
	(f) Exposure to sun.	Well exposure to sun.	Well exposure to sun.
	(g) Unusual weather condition like cloud brust etc.	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 and Milk	Crops, Vegetables, Fruits and Milk
	(d) Labour local availability and need for import.	20% Labour Locally Available and Rest From Nepali	20% Labour Locally Available and Rest From Nepali



	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	Available With In 50-60 Km.	Available With In 50-60 Km.
10.	Value of land, agricultural land, Irrigat land, built up land, forest land etc,	As Per Govt. Rate	As Per Govt. Rate
11.	Approximate Const. Cost.in Lacks	100.00 (Taking 50 Lac/Km)	110.00 (Taking 50 Lac/Km)
12.	Access point indicating possibility of induction of equipment.	Equipment available in Haldwani	Equipment available in Haldwani
13.	Period required for construction.	One year after land transfer.	One year after land transfer.
14.	Strategic Consideration.	To provide better communication	To provide better communication
15.	Important villages, towns and markets centers to be connected.	Chandrapur.	Chandrapur.
16.	Recreational potential.	NIL	NIL
17.	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.	112 Good	112 Good
18.	other major development projects being taken up electric projects etc.	Yet not is consideration	Yet not is consideration
19.	(i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty	NIL NIL NIL	NIL NIL NIL
	(iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work.	Locally contractor available. for the work. 9 month in a year.	Locally contractor available. for the work . 9 month in a year.
20.	Total No. of trees to be removed .	300 No.	500 No.
21.	Average Density of forest cover .	Normal	Normal
22.	Total No. of Merits	No Irrigated cultivated land involved. Alignment accepted by villagers & their elected representative. Alignment is passing through stable area.	No Irrigated cultivated land involved. Alignment accepted by villagers & their elected representative. Alignment is passing through stable area.
23.	Total No. of Demerits	Nil	Alignment did not accepted by villagers & their elected representative 5 H.P.Band involved. Increase of nap land, civil land and trees this alignment.

## RECOMMENDATIONS:

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

JE or AAE

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