

Performa for comparison between identified alignments

2.4

(25)

S.No	Variables	Alignment No-1	Alignment No-2
1	Topography	Hilly, Start From (NH-87E)Ahead from Karnatak Khola, Raila Paali, Sarkar Ke Aali To Vikash Bhawan Motor Road	Hilly, Start From (NH-87E)Ahead from Karnatak Khola, Raila Paali, Sarkar Ke Aali To Vikash Bhawan Motor Road
2	Length of Road	3.150 KM.	3.300 KM.
3	Bridging requirement No. and Length	No. RCC Bridge.	No. RCC Bridge.
4	Geometric	Nap land / Forest	Nap land / Forest
	(a) Gradients	1:20 Fall , 1:17 Fall , 1:120 Fall 1:40 Fall And Level.	1:18 Fall , 1:15 Fall , 1:12 Fall 1:40 Fall And Level.
	(b) Curves, H.P Bends	As per IRC, 6 No of H.P.Band.	As per IRC, 8 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 1320.00 mtr. Minimum height 1217.17 mtr.	Maximum height 1320.00 mtr. Minimum height 1217.10 mtr.
	(ix) Variations extants and types.	NIL	NIL
8.	Climate Condition:		
	(a) Temperature Monthly max. & min. reading.	Maximum 25-35°C Minimum 10-02°C	Maximum 25-35°C Minimum 10-02°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	20% Labour Locally Available and	20% Labour Locally Available and

	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	Available With In 20-30 Km.	Available With In 20-30 Km.
10.	Value of land, agricultural land, Irrigated land, built up land, forest land etc,	As Per Govt. Rate	As Per Govt. Rate
11.	Approximate Const. Cost.in Lacks	144.90 (Taking 46 Lac/Km)	151.80 (Taking 46 Lac/Km)
12.	Access point indicating possibility of induction of equipment.	Equipment available in Haldwani	Equipment available in Haldwani
13.	Period required for construction.	Two year after land transfer.	Two 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.	Karnatak Kholā, Raila Paali And Sarkar Ke Aali	Karnatak Kholā, Raila Paali And Sarkar Ke Aali
16.	Recreational potential.	NIL	NIL
17.	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.	1235 Good	1235 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 .	20 No.	45 No.
21.	Average Density of forest cover .	Normal	Normal
22.	Total No. of Merits	1- No Irrigated cultivated land involved. 2- Alignment accepted by villagers & their elected representative. 3- Alignment is passing through stable area.	1- No Irrigated cultivated land involved. 2- Alignment accepted by villagers & their elected representative. 3- Alignment is passing through stable area.
23.	Total No. of Demerits	NIL	1- Alignment did not accepted by villagers & their elected representative 2- 8 H.P.Band involved. 3- Increase of nap land, civil land and trees this alignment.

RECOMMENDATIONS:

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

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