

प्रारूप-13

Performa for comparison between identified alignments

Name of work:- Construction of kheeda maludhar via chulariyaseem link Motor Road.


Sl. No	Variables	Alignment No-1	Alignment No-2
1	Topography	Hilly Terrain	Hilly Terrain
2	Length of Road	4.075 Km.	4.500 Km.
3	Bridging requirement No. and Length	1 NO, 36.00 Mtr	1 NO, 36.00 Mtr
4	Geometric		
	(a) Gradients	1:20, 1:16, 1:60, 1:120 Rise/Fall	1:20, 1:16, 1:120, 1:60 Rise/Fall
	(b) Curves, H.P Bends	02 Nos.	02 Nos.
5	Existing Means of communication, mule path, jeep, Tracks etc.	Track	Track
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	R.O.W. 9.00 m monuments-Nil	R.O.W. 9.00 m monuments-Nil
7	(a) Terrain & Soil Condition.		
	(vi) Cliffs and gorges.(vii) Drainage characteristics of the area including susceptibility to flooding .(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and descends.(ix) Variations extants and types.	(vi) Average 2 No cliffs per KM, 1 Gorges in 36m length, (vii) drainage Characteristics good susceptibility to floodry-Nil (viii) Maximum height 1328.00 m Minimum Hight 1100.00m, Ascend -1 /discend- 2 (ix) variation - 3	(vi) Average 3 No cliffs per KM, 01 No Gorges 36 M Length (vii) drainage Characteristics good susceptibility to floodry-Nil (viii) Maximum height 1328.00 m Minimum Hight- 1100.00 m, Ascend/discend- Nil. (ix) variation - Nil
8	Climate Condition: (a) Temperature Monthly max. & min. reading. (b) Rainfall data average annual peak intensities monthly distribution (to the extent available). (c) Snowfall data average annual peak intensities monthly distribution (to the extent available) .(d) Wind direction and velocities.(e) Fog Condition.(f) Exposure to sun.(g) Unusual weather condition like cloud burst etc.	(a)summer Maxi-28°C , Mini-18°C,winter Maxi-20 c,Mini-0c (b) Average 1500 mm (c) snowfall - Nil (d)West to South with moderate velocity (e) Fog Condition- Nil (f)Well expose sun (g) Nil	(a)summer Maxi-28°C , Mini-18°C,winter Maxi-20 c,Mini-0c (b) Average 1500 mm (c) snowfall - Nil (d)West to South with moderate velocity (e) Fog Condition- Nil (f)Well expose sun (g) Nil
9	Facilities resources.		
	(a) Landing ground.	(a) Nil	(a) Nil
	(b) Dropping Zone.	(b) Nil	(b) Nil
	(c) Food stuffs.	(C) Almora	(C) available
	(d) Labour local availability and need for import.	(d) 50% Labour available Locally and rest from Nepal	(d) Available
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	(e) Stone available, sand will be carted from Ramnagar.	(e) Stone available, sand will be carted from Ramnagar.

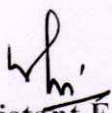
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10	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	Rs. 10.00 Lacs per hectare.	Rs. 10.00 Lacs per hectare.
11	Approximate Const. Cost.	Rs. 356.47 Lacs	Rs. 393.66 Lac
12	Access point indicating possibility of induction of equipment.	ALMORA	ALMORA
13	Period required for construction.	18 month	18 month
14	Strategic Consideration.	Nil	Nil
15	Important villages, towns and markets centers to be connected.	Almora/ Haldwani	Almora/ Haldwani
16	Recreational potential.	Will Increase	Will Increase
17	Economic Factors:		
	(a) Population served by the alignment.	1623	1623
	(b) Agricultures and economic potential of the area.	Fruits & Vegetables	Fruits & Vegetables
18	other major development projects being taken up electric projects etc.	Will Increase	Will Increase
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	Good	Good
	(v) working period available for construction of work.	9 months in a year	9 months in a year
20	Total No. of trees to be removed	138 nos.	175 nos.
21	Average Density of forest cover	38 Nos per Hect.	43 Nos per Hect.
22	Total No. of Merits	1. Alignment through nap land so that villagers are agree with this. 2. Length of road comes 4.075 km hence it is economical.	Nil
23	Total No. of Demerits	Nil	1. Alignment through nap land so that villagers are agree with this. 2. Length of road comes 4.5 km hence it is uneconomical. 3. Passes through slip zone hence is not safe. 4. It H.P. bend is 2 no.

RECOMMENDATIONS:

Alignment no. (01) Recommended for approval being more economical, useful & technically feasible.


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