


Performa for comparison between identified alignments
Name of Work - Construction of Naula Theroli Motor Road Under PMGSY


Sl. No	Variables	Alignment No-1	Alignment No-2
1	Topography	Hilly Terrain	Hilly Terrain
2	Length of Road	10.50 Km.	11.50 Km.
3	Bridging requirement No. and Length	Nil	1 No and length 42.00 Mtr.
4	Geometric		
	(a) Gradients	1:60, 1:40 Rise/Fall	1:18, 1:17, 1:20, 1:15 Rise/Fall
	(b) Curves, H.P Bends	7 No	8 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 supceptibility 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) No cliffs, 0 Nos Gorges, (vii) drainage Characteristics good susceptibility to floodry- Nil (viii) Maximum height 1020.00 m Minimum Hight 784.00m, Ascend/discend- 02 nos. (ix) variation - 2 nos.	(vi) No cliffs, 01 Nos Gorges, 01 sliding zone (vii) drainage Characteristics good susceptibility to floodry- Nil (viii) Maximum height 1022.00 m Minimum Hight- 784.00 m, Ascend/discend- 04 nos. (ix) variation - 4 nos.
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 brust etc.	(a) Maxi-30°C, Mini-03°C (b) Maxi- 500 mm (02 month) - 800 mm (10 month) (c) snowfall - Nil (d) East to west (e) Fog Condition- Nil (f) Suny area (g) Nil	(a) Maxi-30°C, Mini-03°C (b) Maxi- 500 mm (02 month) - 800 mm (10 month) (c) snowfall - Nil (d) East to west (e) Fog Condition- Nil (f) Suny area (g) Nil
9	Facilities resources.	(a) Nil (b) Nil (C) available (d) Available (e) Stone available sand will be carted from Ramnagar.	(a) Nil (b) Nil (C) available (d) Available (e) Stone available sand will be carted from Ramnagar.
	(a) Landing ground.		
	(b) Dropping Zone.		
	(c) Food stuffs.		
	(d) Labour local availability and need for import.		
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.		


10	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	Rs. 781250.00 per hectare.	Rs. 781250.00 per hectare.
11	Approximate Const. Cost.	Rs. 895.64 Lac	Rs. 900.00 Lac
12	Access point indicating possibility of induction of equipment.	From Chaukhutia-Ramnagar Motor Road	From Chaukhutia-Ramnagar Motor Road
13	Period required for construction.	2year	2year
14	Strategic Consideration.	Nil	Nil
15	Important villages, towns and markets centers to be connected.	Village Jaitkhola, Ganiya, Saytura, Thiroli	Village Jaitkhola, Ganiya, Saytura, Thiroli
16	Recreational potential.	Nil	Nil
17	Economic Factors:		
	(a) Population served by the alignment.	606	606
	(b) Agricultures and economic potential of the area.	Fruits & Vegetables	Fruits & Vegetables
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	good	good
	(v) working period available for construction of work.	10 months in a year	10 months in a year
20	Total No. of trees to be removed.	28 nos.	36 nos.
21	Average Density of forest cover.	3 Nos per Hect.	4 Nos per Hect.
22	Total No. of Merits	5 nos.	Nil
23	Total No. of Demerits	Nil	05 nos.

RECOMMENDATIONS:

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


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