

गुणक-13

Performa for comparison between identified alignments**Name of work:- Construction of Govt. Degree college Masi, Distt Almora.**

Sl. No	Variables	Alignment No-1	Alignment No-2
1	Topography	Hilly Terrain	Hilly Terrain
2	Length of Road	100 m.	150 m.
3	Bridging requirement No. and Length	Nil	Nil
4	Geometric		
	(a) Gradients	1:20 Rise	1:20, 1:17, Rise
	(b) Curves, H.P Bends	Nil	Nil
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. 2000 ² m monuments- Nil	R.O.W. 2000 ² 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) No cliffs, No Gorges, (vii) drainage Characteristics good susceptibility to floodry- Nil (viii) Maximum height 1540.00 m Minimum Hight 1350.00m, Ascend/discend- Nil (ix) variation - Nil	(vi) No cliffs, 01 Nos Gorges, 01 sliding zone (vii) drainage Characteristics good susceptibility to floodry- Nil (viii) Maximum height 1540.00 m Minimum Hight- 1350.00 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 burst etc.	(a) Maxi-30°C, Mini-03°C (b) Maxi- 500 mm (02 month) - 800 mm (10 month) (c) snowfall - Nil (d) North to South (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) North to South (e) Fog Condition- Nil (f) Suny area (g) Nil
9	Facilities resources.	(a) Nil	(a) Nil
	(a) Landing ground.	(b) Nil	(b) Nil
	(b) Dropping Zone.	(c) available	(c) available
	(c) Food stuffs.	(d) Available	(d) Available
	(d) Labour local availability and need for import.	(e) Stone available sand will be carted from Ramnagar.	(e) Stone available sand will be carted from Ramnagar.
	(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. 10.00 Lacs per hectare.	Rs. 10.00 Lacs per hectare.
11	Approximate Const. Cost.	Rs. 300.00 Lac	Rs. 450.00 Lac
12	Access point indicating possibility of induction of equipment.	From Ranikhet Jalali to Masi Motor Road	From Ranikhet Jalali to Masi Motor Road
13	Period required for construction.	2.00 year	2.00 years
14	Strategic Consideration.	Nil	Nil
15	Important villages, towns and markets centers to be connected.	Village Masi	Village Masi
16	Recreational potential.	Nil	Nil
17	Economic Factors:		
	(a) Population served by the alignment.	5230	5230
	(b) Agricultures and economic potential of the area.	Education	Education
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	15 nos.	30 nos.
21	Average Density of forest cover	16 Nos per Hect.	32 Nos per Hect.
22	Total No. of Merits	4 nos.	Nil
23	Total No. of Demerits	Nil	05 nos.

RECOMMENDATIONS:

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


 सहायक अभियन्ता
 पी०एम०जी०एस०वाई खण्ड
 लो०नि०वि० द्वाराहाड
 जनपद-अल्मोड़ा