

Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	Alignment passed through rocky part and barren land agricultural land, Reserve Forest	Alignment passed through rocky part and barren land agricultural land, Reserve Forest
2	Length of Road	12.000 Km	12.450 Km
3	Bridging requirement No. and Length	1 No. 10 Mtr Span	1 No. 24 Mtr Span
4	Geometric		
	(a) Gradients	Level 1:20, 1:24 1:40 Fall & Rise	1:20, 1:24 1:40 Fall & Rise
	(b) Curves, H.P Bends	20,25, 25 45 Mtr. 7 Hair pin band	20,25, 25 45 Mtr. 9 Hair pin band
5	Existing Means of communication, mule path, jeep, Tracks etc.	Foot Track and Mule path	Foot Track and mule path
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	Forest Land- 7 Mtr Nap Land- 9Mtr	Forest Land- 7 Mtr Nap Land- 9Mtr
7	(a) Terrain & Soil Condition.	Mountain terrain cross slope 25 to 60 Earth & Boulder and Rock	Mountain terrain cross slope 25 to 60 Earth & Boulder and Rock
	(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 (vii) Naturally to hill slope (viii) Starting RL 1500.00 Mtr. End Point 1286.16	(vi) No (vii) Naturally to hill slope (viii) Starting RL 1500.00 Mtr. End Point 1265.10
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) 8° to 35° C (b) 50 to 75 mm (c) In rainy season (d) NE to SW (e) No snow bound area (f) Good exposor (g) No	(a) 8° to 35° C (b) 50 to 75 mm (c) In rainy season (d) NE to SW (e) No snow bound area (f) Good exposor (g) No
9	Facilities resources. (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. Value of land, agricultural land, irrigated land, built up land, forest land etc.	(a) Nil (b) Nil (c) I Wheat, Mandua Jhangura (d) Available Locality (e) From Kotdwara Sand from Nayar River Stone Locally	(a) Nil (b) Nil (c) I Wheat, Mandua Jhangura (d) Available Locality (e) From Kotdwara Sand from Nayar River Stone Locally
10	Value of land, agricultural land, irrigated land, built up land, forest land etc.	Shown Land proposal	Shown Land proposal
11	Approximate Const. Cost.	Rs. 583.20 Lac	Rs. 640.10 Lac
12	Access point indicating possibility of induction of equipment.	Kotdwara, Pauri	Kotdwara, Pauri
13	Period required for construction.	4 Year	5 Year

14	Strategic Consideration.	Geologically good	Geologically good
15	Important villages, towns and markets centers to be connected.	Gudinda, Said, Mahargaon Malla, Mahargaon talla, Barath, Badoigaon, Patholgaon Jajedi, Sanglakoti & Satpuli	Gudinda, Said, Mahargaon Malla, Mahargaon talla, Barath, Badoigaon, Patholgaon Jajedi, Sanglakoti & Satpuli
16	Recreational potential.	Good	Good
17	Economic Factors: (a) Population served by the alignment. (b) Agriculture and economic potential of the area.	(a) 1437 (b) Seasonal fruits & Vegetables	(c) 1437 (d) Seasonal fruits & Vegetables
18	Other major development projects being taken up electric projects etc.	Non	Non
19	(i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty (iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work.	(i) At Site (ii) Non notice (iii) As per Govt. Rate (iv) Locally (v) 8 Months Except rainy season	(i) At Site (ii) Non notice (iii) As per Govt. Rate (iv) Locally (v) 8 Months Except rainy season
20	Total No. of trees to be removed.	147	168
21	Average Density of forest cover		
22	Total No. of Merits	6 Nos.	
23	Total No. of Demerits		6 Nos.

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

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Note - Signature and approval of the concerned DFO is essential.