

Name Of Project Ritha Retoli To Muwani Motor Road**Performa for comparison between identified alignments**

| Sl.No | Variables | Alignment No-1 | Alignment No-2 |
|-------|---|---|--|
| 1 | Topography | Hilly | Hilly |
| 2 | Length of Road | 5.00km | 5.00km |
| 3 | Bridging requirement No. and Length | nil | Nil |
| 4 | Geometric | - | - |
| | (a) Gradients | 1:22F,1:24F | 1:22F,1:24F |
| | (b) Curves, H.P Bends | 1 no | 3NO |
| 5 | Existing Means of communication, mule path, jeep, Tracks etc. | Bridle Path multi track | Bridle Path multi track |
| 6 | Right of way, bringing out, construction on account of built up areas, monuments and other structures. | nil | Nil |
| 7 | (a) Terrain & Soil Condition. | 5.00km | 5.00km |
| | (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 discends.(ix) Variations extants and types. | Nil Good 1200-1500mts | Nil Good 1200-1500mts |
| 8. | Climate Condition:(a) Temperature Monthly max. & min. reading.(b) Rainfall data average annual peak intensitiesmonthly distribution (to the extent available) .(c) Snowfall data | (a)Max40,min10 (b)june-september (c)No snow area North-east Minor damage&mayoccur during rainy season | (a)Max40,min10 (b)june-september (c)No snow area North-east Minor damage&mayoccur during rainy season |

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| | 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. | | |
| 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. | (a)Nill (b)Nill (c)Local food grain available as par (d)Locals&Napalis (e)stone local available sand& grit from haldwani | (a)Nill (b)Nill (c)Local food grain available as par (d)Locals&Napalis (e)stone local available sand& grit from haldwani |
| 10. | Value of land, agricultural land, Irrigated land, built up land, forest land etc, | Agricultural-39.15 Lac Forest land-28.35 Lac | Agricultural-39.15Lac Forest land-28.15 Lac |
| 11. | Approximate Const. Cost. | 65.88Lac | 65.88Lac |
| 12. | Access point indicating possibility of induction of equipment. | Pithoragarh-70km | Pithoragarh-70km |
| 13. | Period required for construction. | 1 year | 1 year |
| 14. | Strategic Consideration. | nill | nill |
| 15. | Important villages, towns and markets centers to be connected. | Retoli,Gurna,Mayal | Retoli,Gurna,Mayal |
| 16. | Recreational potential. | May development by this alignment | May development by this alignment |
| 17. | Economic Factors: (a) Population served by the alignment. (b) Agricultures and | Agricultures and other local product Total population-600 | Agricultures and other local product Total population-600 |

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| | economic potential of the area. | S.C population-200 | S.C population-200 |
|-----|---|--|--|
| 18. | other major development projects being taken up electric projects etc. | Nill | nill |
| 19. | (i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty | nill | nill |
| | (iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work. | Available 12-months | Available 12-months |
| 20. | Total No. of trees to be removed . | 26 | 220 |
| 21. | Average Density of forest cover . | | |
| 22. | (a) Merits (b)Demerits | 1.All Villagers are agree with this alignment 1. More nap land will be effected | 1. mostly villagers are not agree with this alignment More trees will be effected |
| 23. | Total No. of Demerits | - | - |

RECOMMENDATIONS:

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

Junior Engineer/J.E.
P.W.D.Berimag

Assistant Engineer
P.W.D.Berimag

Executive Engineer
P.W.D.Berimag

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