

प्राकृ-13

Performa for comparison between identified alignments

| Sl.No | Variables | Alignment No-1 | Alignment No-2 |
|-------|---|---|--|
| 1 | Topography | Yes | Yes |
| 2 | Length of Road | 4.00 km. | 4.00km. |
| 3 | Bridging requirement No. and Length | 1 no. 12 m. span | 1 no. 14 m. span |
| 4 | Geometric | | |
| | (a) Gradients | 1:20, LEVEL, 1:20 | 1:17, LEVEL, 1:20 |
| | (b) Curves, H.P Bends | -- | -- |
| 5 | Existing Means of communication, mule path, jeep, Tracks etc. | Mule path & foot track | Mule path & foot track |
| 6 | Right of way, bringing out. construction on account of built up areas, monuments and other structures. | Yes | Yes |
| 7 | (a) Terrain & Soil Condition. | E&B, H.S, V.H.S. | E&B, H.S, V.H.S. |
| | (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. | Yes | Yes |
| 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. | Data not available (e) East-West Average 100% sunny face | Data not available (e) East-West Average 100% sunny face |
| 9. | Facilities resources. (a) Landing ground. (b) Dropping Zone. (c) Food stuffs. (d) Labour local availability and need for import. (e) Construction material (Timber, | NIL NIL Local fruits & vegetable available local labour is not available mostly work done by Nepali Labour. | NIL NIL Local fruits & vegetable available local labour is not available mostly work done by Nepali Labour |

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|-----|---|--|--|
| | 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, | agricultural land -50% | agricultural land 50% |
| 11. | Approximate Const. Cost. | 50.40 lacs, Total 4.00 km length | 50.40 lacs, Total 4.00 km length |
| 12. | Access point indicating possibility of induction of equipment. | Medium type of equipment can be taken up to starting point. | Medium type of equipment can be taken up to starting point. |
| 13. | Period required for construction. | 1/2 year | 1/2 year |
| 14. | Strategic Consideration. | Nil | Nil |
| 15. | Important villages, towns and markets centers to be connected. | 4 | 3 |
| 16. | Recreational potential. | It will develop tourisms and recreational means in this area | It will develop tourisms and recreational means in this area |
| 17. | Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area. | More then 600 100% | More then 500 100% |
| 18. | other major development projects being taken up electric projects etc. | -- | -- |
| 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. | -- | -- |
| 20. | Total No. of trees to be removed . | 15 | 25 |
| 21. | Average Density of forest cover . | 0.819 | 0.765 |
| 22. | Total No. of Merits | After constt. Of this road more then 100% population of this area will be benefited. | After constt. Of this road more then 100% population of this area will be benefited. |
| 23. | Total No. of Demerits | Minimum forest wealth affected in this alignment. | Minimum forest wealth affected in this alignment. |

RECOMMENDATIONS:

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

A. Assistant/Engineer/J.E.
P.WD./UA

Assistant Engineer
P.WD./UA

Executive Engineer
P.W.D./UA

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नियोजक