


Performa for comparison between identified alignments


Sl. No	Variables	Alignment No-1	Alignment No-2
1	Topography	Start from km Garur-Binkholi Motor Road	Start from km Garur-Binkholi Motor Road
2	Length of Road	2.60 Km	2.90 Km
3	Bridging requirement No. and Length	1 No of RCC Bridge 36Mtr Span	1 No of RCC Bridge 36Mtr Span
4	Geometric		
	(a) Gradients	1:20 Fall, 1:20 Rise, 1:24 Rise, 1:18 Rise, 1:40 Fall, 1:40 Rise, 1:24 Rise, 1:24 Rise	1:20 Fall, 1:20 Rise, 1:24 Rise, 1:140 Rise, 1:40 Fall, 1:40 Rise, 1:24 Fall, 1:24 Rise
	(b) Curves, H.P Bends	All Curves are as per IRC, 2 HP Bends	All Curves are as per IRC, 3 HP Bends
5	Existing Means of communication, mule path, jeep, Tracks etc.	Village are connected by foot track	Village are connected by foottrack
6	Right of way, bringing out, construction on account of built up areas, monuments and other structures.	No such construction involved	No such construction involved
7	(i) Terrain & Soil Condition. (ii) Nature of soil (iii) Geology of the area mountainus terrain. (iv) Area subjected to avelanches and snow drift. (v) Slip Zone area	(i)E&B , O.R.,H.R (ii) Cultivated and hill area (iii) Approx. 20% (iv) NIL (v) NIL	(i)E&B to VHS/VHR (ii) Cultivated and hill area (iii) Approx. 25% (iv) NIL (v) NIL
	(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 Area has good drainage Maximum height 1400mtr Minimum height 1100mtr NIL	NIL Area has good drainage Maximum height 1425mtr Minimum height 1100mtr NIL
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.	Maximum 28 ^o C Minimum 2 ^o C 1300mm Dec-Jan From North & South with moderate velocity Negligible Well esposure to sun NIL	Maximum 28 ^o C Minimum 2 ^o C 1300mm Dec-Jan From North & South with moderate velocity Negligible Well esposure to sun NIL
9.	Facilities resources. (a) Landing ground. (b) Dropping Zone. (c) Food stuffs. (d) Labour local availability and need for import.	Not Available Not Available Crops, Vegetables, Fruits, Milk Labour locally available.	Not Available Not Available Crops, Vegetables, Fruits, Milk Labour locally available. Available within 200km

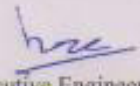
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	Available within 200km	
10.	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	As per Govt. Rate	As per Govt. Rate
11.	Approximate Const. Cost.	156.00 Lacs	174.00 Lacs
12.	Access point indicating possibility of induction of equipment.	Equipment available in Haldwani.	Equipment available in Haldwani.
13.	Period required for construction.	Two year after land transfer.	Two year after land transfer.
14.	Strategic Consideration.	To provide better communication	To provide better communication
15.	Important villages, towns and markets centers to be connected.	Binkholi, Kothon	Binkholi, Kothon
16.	Recreational potential.	Will increase	Will increase
17.	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.	634 Good	634 Good
18.	other major development projects being taken up electric projects etc.	NIL	NIL
19.	(i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty	NIL NIL	NIL NIL
	(iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work.	Local contractor available for the work 9 month in a year	Local contractor available for the work 9 month in a year
20.	Total No. of trees to be removed .	29	72
21.	Average Density of forest cover .	Normal	Normal
22.	Total No. of Merits	1- Aligement is passing through more stable terrain. 2- Aligement accepted by villagers & their elected representantive 3- Lesser Length. 4- More Economic. 5- Lesser no of trees are being cut.	1- Aligement is passing through streap terrain.
23.	Total No. of Demerits	1- 2 HP Bend	1- Aligement is not accepted by villagers & their elected representantive 2- Increasing of Nap Land, Private Trees, Forest Land and Civil Land. 3- More Length. 4-Higher Construction Cost. 5- More no of trees are being cut 6- 4 HP Bends

RECOMMENDATIONS:

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


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