

Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	Mountainous region	Mountainous region
2	Length of Road	2.60 Km.	2.60 Km.
3	Bridging requirement No. and Length	-	-
4	Geometric		
	(a) Gradients	1:18, 1:20 & 1:24	1:16, 1:18 & 1:24
	(b) Curves, H.P Bends	06	08
5	Existing Means of communication, mule path, jeep, Tracks etc.	By mule	By mule
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	N/A	N/A
7	(a) Terrain & Soil Condition.	E&B, HS, VHS	E&B, HS, VHS
	(a) Cliffs and gorges.(b) Drainage characteristics of the area including susceptibility to flooding .(c) General elevation of the road indicating maximum and minimum height negotiated by main ascends and descends.(d) Variations extants and types.	a:- Nil. b:-Nil c:- Height Max: 1733M Min: 1500M d:- Chir, Kukat	a:- Nil. b:-Nil c:- Height Max: 1733M Min: 1500M d:- Chir, Kukat
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 : Max 30 ⁰ C Min 2 ⁰ C b: Average 25cm c: Average 10 cm d: Toward North to east 20-30 Km/H e: Nil f: Good exposure g: Nil	a : Max 30 ⁰ C Min 2 ⁰ C b: Average 25cm c: Average 10 cm d: Toward North to east 20-30 Km/H e: Nil f: Good exposure g: Nil
9.	Facilities resources.		
	(a) Landing ground.	Nil	Nil
	(b) Dropping Zone.	Kandiya	Kandiya
	(c) Food stuffs.	Purola	Purola
	(d) Labour local availability and need for import.	Local labour available.	Local labour available.
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	Construction materal available in bed of River Kamal. Average lead 1.50 Km.	Construction materal available in bed of River Kamal. Average lead 1.50 Km.
10.	Value of land, agricultural land, Irrigated land, bult up land, forest land etc,	Napland : 12.4 Lacs /Ha Forest/Civil land : 0.60 Lacs/Ha	Napland : 12.4 Lacs /Ha Forest/Civil land : 0.60 Lacs/Ha
11.	Approximate Const. Cost.	150.08	180.50
12.	Access point indicating possibility of induction of equipment.	via Purola-Vikasnagar/Dehradun	via Purola-Vikasnagar/Dehradun
13.	Period required for construction.	1 year	1 year
14.	Strategic Consideration.	Development of Tourism.	Development of Tourism
15.	Important villages, towns and markets centers to be connected.	Gundiyaatgaon, Kandiya, Revdi.	Gundiyaatgaon, Kandiya, Revdi.
16.	Recreational potential.	Tourism/Religious Historical temple	Tourism/Religious Historical temple
17.	Economic Factors: (a) Population served by the alignment.	Approx 1500	Approx 1500

	(b) Agricultures and economic potential of the area.	Rice, Potato, Tomato, Beans, peas, onion are cultivated.	Rice, Potato, Tomato, Beans, peas, onion are cultivated.
18.	other major development projects being taken up electric projects etc.	N/A	N/A
19.	(i) Misc. Such as camping sites	N/A	N/A
	(ii) Law and other problem	N/A	N/A
	(iii) Royalty	N/A	N/A
	(iv) Availability of contractors for collection and carriage of construction material	From bed of River Kamal	From bed of River Kamal
	(v) working period available for construction of work.	six to eight months	six to eight months
20.	Total No. of trees to be removed .	576	616
21.	Average Density of forest cover .	0.80	0.90
22.	Total No. of Merits	21	14
23.	Total No. of Demerits	-	7

RECOMMENDATIONS:

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

A. Assistant. Engineer/J.E.
Construction Division, PWD, Purola

Assistant Engineer
Construction Division, PWD, Purola

Executive Engineer
Construction Division, PWD, Purola

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

प्रमाणित वनाधिकारी
टोन्स वन प्रभाग,
पुरोला

वन क्षेत्राधिकारी
पुरोला वन राजि
टोन्स वन प्रभाग

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