

Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	Mountaineous region	Mountaineous region
2	Length of Road	2.075 Km.	2.00 Km.
3	Bridging requirement No. and Length	-	-
4	Geometric		
	(a) Gradients	1:17, 1:20	1:16, 1:20
	(b) Curves, H.P Bends	01	03
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 suceptibility to flooding .(c) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.(d) Variations extants and types.	a:- Nil. b:-Nil c:- Height Max: 1268M Min: 1220M d:- Chir, Kukat	a:- Nil. b:-Nil c:- Height Max: 1268M Min: 1269M 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.	Bingadera	Bingadera
	(c) Food stuffs.	Purola, Naugaon	Purola, Naugaon
	(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 1.00 Km.	Construction materal available in bed of River Kamal. Average lead 1.00 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.	120.00	132.00
12.	Access point indicating possibility of induction of equipment.	via Vikasnagar/Dehradun	via Vikasnagar/Dehradun
13.	Period required for construction.	1 year	1 year
14.	Strategic Consideration.	Cash crops fruit belt	Cash crops fruit belt
15.	Important villages, towns and markets centers to be connected.	Hudoli	Hudoli
16.	Recreational potential.	Transportation facility	Transportation facility
17.	Economic Factors:		
	(a) Population served by the alignment.	Approx 1300	Approx 1300

	(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 .	39	42
21.	Average Density of forest cover .	0.5	0.5
22.	Total No. of Merits	21	16
23.	Total No. of Demerits	-	5

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.

टोन्स वन प्रभाग
पुरोला (उत्तराखण्ड)

उप प्रभागीय वनाधिकारी
टोन्स वन प्रभाग,
पुरोला

वन क्षेत्राधिकारी
पुरोला वन राजि
टोन्स वन प्रभाग