

## प्रारूप-13


Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	From Km. 05 of Chamba Mussorie Motor Road another branch road name Chopriyal Gaon-Sour Motor Road, From Km. 12.00 of this another branch road up to Khurait is Proposed connecting all unconnected villages.	From Km. 05 of Chamba Mussorie Motor Road another branch road name Chopriyal Gaon-Sour Motor Road, From Km. 12.00 of this another branch road up to Khurait is Proposed connecting all unconnected villages.
2	Length of Road	5.00 Km.	5.00 Km.
3	Bridging requirement No. and Length	12 mtr. Span bridge	12 mtr. Span bridge
4	Geometric		
	(a) Gradients	0/0 - 0/7 - 1:60R 0/7 - 0/28 - Level 0/28 - 1/3 - 1:60F 1/3 - 1/8 - 1:20F 1/8 - 1/10 - Level 1/10 - 1/29 - 1:20R 1/29 - 1/30 - Level 1/30 - 1/37 - 1:20R 1/37 - 1/39 - 1:40R 1/39 - 2/9 - 1:20R 2/9 - 2/13 - Level 2/13 - 2/18 - 1:30R 2/18 - 3/6 - 1:24R 3/6 - 3/10 - Level 3/10 - 3/15 - 1:20R 3/15 - 3/16 - Level 3/16 - 3/40 - 1:24R 3/40 - 4/12 - 1:60R 4/12 - 4/16 - Level 4/16 - 4/24 - 1:40R 4/24 - 4/31 - 1:20R 4/31 - 4/33 - 1:40R 4/33 - 4/40 - 1:20R	0/0 - 0/20 - 1:20R 0/20 - 1/2 - 1:20F 1/2 - 1/4 - Level 1/4 - 1/18 - 1:20R 1/18 - 1/20 - 1:40R 1/20 - 1/36 - 1:20R 1/36 - 1/38 - 1:40R 1/38 - 2/16 - 1:20R 2/16 - 2/18 - 1:40R 2/18 - 2/30 - 1:60R 2/30 - 3/10 - 1:17R 3/10 - 4/12 - 1:20R 4/12 - 4/14 - 1:40R 4/14 - 4/28 - 1:20R 4/28 - 4/30 - 1:40R 4/30 - 4/40 - 1:30R
	(b) Curves, H.P Bends	02 Nos H.P. Bend	05 Nos H.P. Bend
5	Existing Means of communication, mule path, jeep, Tracks etc.	Only mule path and foot track	Only mule path and foot track
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.		



7	(a) Terrain & Soil Condition.	Hilly Terrain	Hilly Terrain
	(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.	NIL Good Natural Drainage hence susceptibility to damaged in minimum. 1860 m. To 1666 m. From mean sea level.  Ordinary bushes & Trees	NIL Good Natural Drainage hence susceptibility to damaged in minimum. 1880 m. to 1620 m.  Ordinary bushes & Trees
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.	30 <sup>0</sup> C Max, 4 <sup>0</sup> C Min.  Normal rainfall  Normal Snowfall  Towards north- east, 30 Km/h. Prevail some time in rainy season. 90% Sunny area  N/A	30 <sup>0</sup> C Max, 4 <sup>0</sup> C Min.  Normal rainfall  Normal Snowfall  Towards north- east, 30 Km/h. Prevail some time in rainy season. 90% Sunny area  N/A
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.	NIL NIL Wheat Madwa- Jhangora and fruits Local labour and Nepali labour also available Timber, Stone available locally & sand from Yamuna river single from Jawalapur Haridwar.	NIL NIL Wheat Madwa- Jhangora and fruits Local labour and Nepali labour also available Timber, Stone available locally & sand from Yamuna river single from Jawalapur Haridwar.
10	Value of land, agricultural land, Irrigated land, built up land, forest land etc,	Civil soyam 600.00 M, Forest land 2250.00 M, Nap land 2150.00 M,	Civil soyam 750.00 M, Forest land 2850.00 M, Nap land 900.00 M,
11	Approximate Const. Cost.	335.99 Lac	360.80 Lac
12	Access point indicating possibility of induction of equipment.	Equipment is available at Rishikesh & Dehradun.	Equipment is available at Rishikesh & Dehradun.
13	Period required for construction.	01 years	01 years
14	Strategic Consideration.	NIL	NIL
15	Important villages, towns and markets centers to be connected.	Chopriayl Gaon, Chamba	Chopriayl Gaon, Chamba
16	Recreational potential.	NIL	NIL



17	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.	Approximate 350 Seasonal fruits & Vegetables	Approximate 350 Seasonal fruits & Vegetables
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 (iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work.	90.00/Cum Yes	90.00/Cum Yes
20	Total No. of trees to be removed .	80	189
21	Average Density of forest cover .		
22	Total No. of Merits	1- Better Road Transpiration. 2- Minimum length required to reach. 3- All villagers are agreed with alignment. 4- Less cost of construction required. 5- Working period available whole year except rainy season. 6- Less no of H.P. Bend	
23	Total No. of Demerits		1- More forest land is affected 2- Uneasy road Transpiration 3- More cost of constructions required 4- Build up area to be affected. 5- All villagers are not agreed to this alignment. 6- more H.P. Bend are required.

# RECOMMENDATIONS:

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

कनिष्ठ अभियन्ता

पी०एम०जी०एस०वाई, सि०ख०-२  
नई दिल्ली

सहायक अभियन्ता

पी०एम०जी०एस०वाई, सि०ख०-२  
नई दिल्ली

अधिसारी अभियन्ता

पी०एम०जी०एस०वाई, सि०ख०-२  
नई दिल्ली

जन क्षत्रीधिकारी  
सकलाना रेंज

हस्तक्षेप वन अधिकारी  
बरेल्लनग वन प्रभाग  
पनि की-रेली

अधिसारी अभियन्ता  
अनुमति अधिकारी