

Performa for comparison between identified alignments Page 2 of 3

कार्य का नाम :- माननीय मुख्यमंत्री जी की घोषणा 415/2018 के अन्तर्गत जनपद चमोली के विधानसभा क्षेत्र थराली के विकासखण्ड घाट में बंगाली (बांजबगड़) से विकासखण्ड थराली के रुईसाण तक मोटर मार्ग का नव निर्माण।

S.No	Variables	Alignment No-1	Alignment No-2
	(b) Rainfall data average annual peak intensities monthly distribution (to the extent available)	(b) Rainfall data average annual peak	(b) Rainfall data average annual peak
		Month	Month
		Average Rainfall	Average Rainfall
		January	January
		February	February
		March	March
		April	April
		May	May
		June	June
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
	(c) Snowfall data average annual peak intensities monthly distribution (to the extent available)	(c) Snowfall data average annual	(c) Snowfall data average annual
		Month	Month
		Average Snowfall	Average Snowfall
		January	January
		February	February
		March	March
		April	April
		May	May
		June	June
		July	July
		August	August
		September	September
		October	October
		November	November
		December	December
	(d) Wind direction and velocities.	(d) Not Available	(d) Not Available
	(e) Fog Condition	(e) Nil	(e) Nil
	(f) Exposure to sun	(f) The site is exposed to sun	(f) The site is exposed to sun
	(g) Unusual weather condition like cloud burst etc	(g) There is no record of unusual weather condition like cloud burst in the area where the site is located.	(g) There is no record of unusual weather condition like cloud burst in the area where the site is located.
9	Facilities resources.		
	(a) Landing ground.	(a) Suptal	(a) Suptal
	(b) Dropping Zone.	(b) None	(b) None
	(c) Food stuffs.	(c) Dal Lehsoon, Dhan, Ghehun,	(c) Dal Lehsoon, Dhan, Ghehun,
	(d) Labour local availability and need for import.	(d) Local labour is available for construction work.	(d) Local labour is available for construction work.
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved	(e) Stone require for the construction work shall be made available locally as it shall be obtained from hill side cutting, However, Sand required for the construction work shall be procured from the approved quarry.	(e) Stone require for the construction work shall be made available locally as it shall be obtained from hill side cutting, However, Sand required for the construction work shall be procured from the approved quarry.
10	Value of land, agricultural land, Irrigated land, built up land, forest land etc,	Value of the land required for the construction of the road in this alignment is as under- As per current Govt. Rate	Value of the land required for the construction of the road in this alignment is as under- As per current Govt. Rate

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कर्णप्रयाग

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S.No	Variables	Alignment No-1	Alignment No-2
11	Approximate Const. Cost.	Rs. 1170.00 Lacs	Rs. 1190.00 Lacs
12	Access point indicating possibility of induction of equipment.	Access point available for induction of equipment	Access point available for induction of equipment
13	Period required for construction.	24 months	24 Months
14	Strategic Consideration.	Deployment of skilled manpower and efficient equipment/ Machinery shall be made for completion of the project.	Deployment of skilled manpower and efficient equipment/ Machinery shall be made for completion of the project.
15	Important villages, towns and markets centers to be connected.	The road shall provide connectivity to village Syanri-Bangali, Ruisaan And numerous population of Ghat & Tharali block	The road shall provide connectivity to village Syanri-Bangali, Ruisaan And numerous population of Ghat & Tharali block
16	Recreational potential.	Tourism in Suptal, Jhaltal and bugyas of the area	Tourism in Suptal, Jhaltal and bugyas of the area
17	Economic Factors:		
	(a) Population served by the alignment.	Numberous population of Tahsil Ghat and Tharali (Connecting two blocks)	Numberous population of Tahsil Ghat and Tharali (Connecting two blocks)
	(b) Agricultures and economic potential of the area.	(b) Transporation of the cultivated crops & forestry product by mechanical means (i.e. through road) shall enhance the economical condition of the people residing in this area. Potential of the development of animal husbandry.	(b) Transporation of the cultivated crops & forestry product by mechanical means (i.e. through road) shall enhance the economical condition of the people residing in this area. Potential of the development of animal husbandry.
18	other major development projects being taken up electric projects etc.	None	None
19	(i) Misc. Such as camping sites	(i) Nil	(i) Nil
	(ii) Law and other problem	(ii) There is no significant law and order problem in the area and the local administration takes care of such matters.	(ii) There is no significant law and order problem in the area and the local administration takes care of such matters.
	(iii) Royalty	(iii) Royalty is paid to the Revenue Department.	(iii) Royalty is paid to the Revenue Department.
	(iv) Availability of contractors for collection and carriage of construction material	(iv) Available	(iv) Available
	(v) working period available for construction of work.	(v) 09 Months	(v) 09 Months
20	Total No. of trees to be removed .	445 Numbers	970 Numbers
21	Average Density of forest cover .	0.3	0.3
22	Total No. of Merits		
23	Total No. of Demerits		

RECOMMENDATIONS :

Alignment no.-1 is recommended for approval being more economical, useful technically feasible & less damaging to trees.

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No	Variables	Alignment No-1	Alignment No-2																																																																																				
1	Topography	Hilly, Forest	Hilly, Forest																																																																																				
2	Length of Road	11.625 Km	11.400 Km																																																																																				
3	Bridging requirement No. and Length	01 No.	01 No.																																																																																				
4	Geometric																																																																																						
	(a) Gradients	1:17, 1:18, 1:20	1:17, 1:18, 1:20																																																																																				
	(b) Curves, H.P Bends	15	14																																																																																				
5	Existing Means of communication, mule path, jeep, Tracks etc.	Mule Path & Foot Tracks	Mule Path & Foot Tracks																																																																																				
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	Right of way is available for carrying out the construction work. There are no built up area, monuments of other important structures along this	Right of way is available for carrying out the construction work. There are no built up area, monuments of other important structures along this																																																																																				
7	Terrain & Soil Condition																																																																																						
	(i) Nature of soil	(i) The terrain is hilly and the soil is a	(i) The terrain is hilly and the soil is a																																																																																				
	(ii) Cliffs and gorges.	(ii) None	(ii) None																																																																																				
	(iii) Drainage characteristics of the area including suceptibility to flooding	(iii) The Natural Drainage characteristics of the area is good and there is no susceptibility to flooding	(iii) The Natural Drainage characteristics of the area is good and there is no susceptibility to flooding																																																																																				
	(vi) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends	(iv) The elevation at the starting point of the road is 2094 m and the elevation at the maximum height of the road is 2670 m. Thus the road achieves a height of 576 m.	(iv) The elevation at the starting point of the road is 2094 m and the elevation at the maximum height of the road is 2670 m. Thus the road achieves a height of 576 m.																																																																																				
	(v) Variations extants and types	Nil	Nil																																																																																				
8	Climate Condition																																																																																						
	(a) Temperature Monthly max. & min. reading.	(a) Temperature Monthly max. & Min.	(a) Temperature Monthly max. & Min.																																																																																				
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