Performa for comparison between identified alignments Page 2 of 3

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

No	Variables	Alignm	ent No-1	Alignment No-2		
	(b) Rainfall data average annual peak	In Deletal data system appual neak		(b) Rainfall data average annual peak		
		Month	Average Rainfall	Month	Average Rainfall	
1	intensities monthly distribution (to the		80	January	80	
	extent available)	January	40	February	40	
		February	30	March	30	
		March	30	April	30	
		April	25	May	25	
		May	200	June	200	
		June	410	July	410	
		July	390	August	390	
		August		September	240	
		September	240	October	110	
		October	110		30	
		November	30	November	40	
	*	December	40	December		
	(c) Snowfall data average annual peak	(c) Snowfall fall d	ata average annual	(c) Snowfall fall data average annual Month Average Snowfall		
	intensities monthly distribution (to the	Month	Average Snowfall	Month	400	
	extent available)	January	400	January	300	
		February	300	February		
		March	150	March	150	
		April	-	April	-	
	1	May	-	May	-	
		June	-	June	-	
		July	-	July	-	
		August	-	August	-	
)		September	-	September	-	
		October	-	October	-	
1		November		November	-	
		December	180	December	180	
	(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 exp	posed to sun	(f) The site is exposed to sun		
	(g) Unusual weather condition lik	e (g) There is n	o record of unsua	(g) There is no record of unsua		
	cloud brust etc	weather condition	on like cloud brust in	weather condition like cloud brust in		
		the area where t	he site is located.	the area where the site is located.		
		+		+		
9	Facilities resources.	(a) Suptal		(a) Suptal		
	(a) Landing ground.	(b) None		(b) None		
i.	(b) Dropping Zone.		, Dhan, Ghehun,	(c) Dal Lehsoon, Dhan, Ghehun,		
	(c) Food stuffs.	d (d) Local Jaho	our is available fo	r (d) Local labour is available for		
1		costruction work	out is available to	costruction work.		
	for import.	r (e) Stone requi	re for the costruction	(e) Stone require for the costruction		
1	(e) Construction material (Timbe	work shall he n	nade available locall	work shall be made available localide as it shall be obtained from hill side		
	Bamboo, Sand, Stone, Shingle et	d as it shall be o	htained from hill sid			
		cutting Howeve	or Sand required for	cutting Howeve	er, Sand requried for	
	involved					
		Annual Control of the		the construction work shall be procured from the approved quarry. Value of the land required for the		
10			ne approved quarry.			
10	Value of land, agricultural land	J, Value of the I	and required for th			
10	Irrigated land, bult up land, fore	st construction of	t the road in thi	s construction of	the road in this	
	land etc,	alignment is as	under- As per currer	nt alignment is as	under- As per current	
	land etc,	Govt. Rate	1.	Govt. Rate	_	
			44	1	9/2	

Junior Engineer (C)
Pro Div P W D
Karanprayag

Assistant Engineer
Production
Engineer

अधिशासी अभियन्ता प्रान्तीय खण्ड लो०नि०वि० कर्णप्रयाग

Performa for comparison between identified alignments Page 3 of 3

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

.No	Variables	Alignment No-1	Alignment No-2
11	Approximate Court Coot	Rs 1170 00 Lacs	Rs. 1190.00 Lacs
12	Access point indicating possibility	Access point available for induction of	
13	- madelion of equipment	0.4 months	24 Months
14	Strategic Consideration.	efficient equipment/ Machinery snall	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 connectivty to village Syanri-Bangali,Ruisaan And numberous population of Ghat & Tharali block	The road shall provide connectivit to village Syanri-Bangali,Ruisaan And numberous 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:		Numberous population of Tahsil Ghat
)	(a) Population served by the alignment.	Numberous population of Tahsil Ghat and Tharali (Connecting two blocks)	and Tharali (Connecting two blocks) (b) Transporation of the cultivated
	(b) Agricultures and economic potential of the area.	mechanical means (i.e. through road) shall enchance the economical	mechanical means (i.e. through road)
18	other major development projects being taken up electric projects etc.	None	None
10	(i) Misc. Such as camping sites	(i) Nil	(i) Nil
9 ₁₉	(ii) Law and other problem	(ii) There is no significant law and order problem in the area and the loacl administration takes care of such matters.	(ii) There is no significant law and order problem in the area and the loacl administration takes care of such matters.
9	(iii) Royalty	(iii) Royalty is paid to the Revenue Department.	(iii) Royalty is paid to the Revenue Department.
>	(iv) Availability of contractors fo collection and carriage of construction	r (iv) Available	(iv) Available
•	construction of work.	r (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 Total No. of Demerits		
23	Total No. of Defilerits		

RECOMMENDATIONS:

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







Performa for comparison between identified alignments

का नाम :— माननीय मुख्यमंत्री जी की घोषणा 415/2018 के अन्तर्गत जनपद चमोली के विघानसभा क्षेत्र थराली के |सिखण्ड घाट में बंगाली (बांजबगड़) से विकासखण्ड थराली के रूईसांण तक मोटर मार्ग का नव निर्माण।

Variables	Alignme	ent No-1		Alignm	ent No-2		
	Hilly, Forest		Hilly, Forest				
				11.400 Km			
	01 No.		0	01 No.			
Length	01110.						
Geometric							
	1:17, 1:18, 1:20			1:17, 1:18, 1:20			
(b) Curves, H.P Bends	15			14			
Existing Means of communication,	Mule Path & Foot	Tracks		Mule Path & Foot	Tracks		
Right of way, bringing out.	Right of way is a	vailable for	carrying	Right of way is a	vailable for	carryii	
construction on account of built up	out the construction	on work. T	hare arel	out the constructi	ion work. I	nare a	
areas, monuments and other	no built up area, r	monuments	of other	no built up area, i	monuments	Of Our	
structures.	important structure	es along thi	s	important structure	es along thi	<u>s</u>	
Terrain & Soil Condition							
(i) Nature of soil	(i) The terrain is hi	illy and the	soil is a	(i) The terrain is h	illy and the	SOIL IS 8	
(ii) Cliffs and gorges.	(ii) None			(ii) None			
(iii) Drainage characteristics of the	(iii) The N	Natural	Drainage			Draina	
area including supceptibility to flooding	characteristics of	characteristics of the area is good and			characteristics of the area is good a		
	there is no susceptiblitity to flooding			there is no susceptiblitity to flooding			
(vi) General elevation of the road	d (iv) The elevation	at the star	ting point	(iv) The elevation	at the star	ting no	
I(vi) General elevation of the road	ul(iv) The elevation	at the star	ung point	(IV) THE Elevation	at the star	ung po	
indicating maximum and minimum	nlof the road is	2094 m	and the	of the road is	2094 m	and t	
indicating maximum and minimum height negotiated by main ascends and	of the road is	2094 m maximum	and the height of	of the road is elevation at the	2094 m maximum l	and t height	
indicating maximum and minimum	n of the road is d elevation at the the road is 2670	2094 m maximum m. Thus	and the height of the road	of the road is elevation at the the road is 2670	2094 m maximum l 0 m. Thus	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and	of the road is	2094 m maximum m. Thus	and the height of the road	of the road is elevation at the	2094 m maximum l 0 m. Thus	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends	n of the road is d elevation at the the road is 2670	2094 m maximum m. Thus	and the height of the road	of the road is elevation at the the road is 2670	2094 m maximum l 0 m. Thus	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition	n of the road is d elevation at the the road is 2670 achieves a height	2094 m maximum 0 m. Thus t of 576 m	and the height of the road	of the road is elevation at the the road is 2670 achieves a height Nil	2094 m maximum l 0 m. Thus t of 576 m	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition	n of the road is d elevation at the the road is 2670 achieves a height	2094 m maximum 0 m. Thus t of 576 m	and the height of the road	of the road is elevation at the the road is 2670 achieves a height	2094 m maximum l 0 m. Thus t of 576 m Monthly ma	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types	n of the road is d elevation at the the road is 2670 achieves a height	2094 m maximum 0 m. Thus t of 576 m	and the height of the road n.	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature	2094 m maximum l maximum l m. Thus t of 576 m Monthly ma	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperatt Max.	and the height of the road n. ax. & Min. ure (in °C) Min.	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature	2094 m maximum l 0 m. Thus t of 576 m	and theight the roll.	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperati Max.	and the height of the road in. ax. & Min. ure (in °C) Min. 3	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January	2094 m maximum l 0 m. Thus t of 576 m Monthly ma Temperate Max. 13	and theight the root. ix. & M ure (in Min 3	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperati Max.	and the height of the road in. ax. & Min. ure (in °C) Min. 3	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13	and theight the ro	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperati Max. 13 14 16	and the height of the road in. ax. & Min. ure (in °C) Min. 3 6	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16	and theight the root. x. & M ure (in Min 3 6 8	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperati Max. 13 14 16 18	and the height of the road n. ax. & Min. ure (in °C) Min. 3 6 8 13	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18	x. & M ire (in Min 3 6 8 13	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperati Max. 13 14 16 18 25	and the height of the road in. ax. & Min. ure (in °C) Min. 3 6 8 13	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March	2094 m maximum of m. Thus tof 576 m Monthly ma Temperate Max. 13 14 16 18 25	x. & M ire (in Min 3 6 8 13 15	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June	2094 m maximum o m. Thus t of 576 m Monthly ma Temperat Max 13 14 16 18 25	and the height of the road n. ax. & Min. ure (in °C) Min. 3 6 8 13 15	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18	x. & M ire (in Min 3 6 8 13 15	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July	2094 m maximum o m. Thus t of 576 m Monthly ma Temperate Max 13 14 16 18 25 25 25	and the height of the road in. ax. & Min. ure (in °C) Min. 3 6 8 13 15 15	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 25 25 25	x. & Mure (in Min 3 6 8 13 15 15	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperate Max 13 14 16 18 25 25 25 23	and the height of the road in. ax. & Min. ure (in °C) Min. 3 6 8 13 15 15 14 14	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August	2094 m maximum of m. Thus tof 576 m Monthly ma Temperate Max. 13 14 16 18 25 25	x. & M ure (in Min 3 6 8 13 15 15 14	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August September	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 25 23 22	and the height of the road n. ax. & Min. ure (in °C) Min. 3 6 8 13 15 15 14 14 9	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July	2094 m maximum 10 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 25 25 25	x. & M ure (in Min 3 6 8 13 15 15 14	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperate Max 13 14 16 18 25 25 25 23 22 15	and the height of the road in. ax. & Min. ure (in °C) Min. 3 6 8 13 15 15 14 14	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August	2094 m maximum of m. Thus tof 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 23	x. & M ure (in Min 3 6 8 13 15 15 14 14 14	
indicating maximum and minimum height negotiated by main ascends and discends (v) Variations extants and types Climate Condition (a) Temperature Monthly max. & min	n of the road is delevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August September	2094 m maximum 0 m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 25 23 22	and the height of the road n. ax. & Min. ure (in °C) Min. 3 6 8 13 15 15 14 14 9	of the road is elevation at the the road is 2670 achieves a height Nil (a) Temperature Month January February March April May June July August September	2094 m maximum o m. Thus t of 576 m Monthly ma Temperate Max. 13 14 16 18 25 25 23 22	x. & Min. 3 6 8 13 15 15 14 14 9	

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