

DETAILS IF ALIGNMENT

Name Of Work:

मा० मुख्यमंत्री की घोषणान्तर्गत जनपद चमोली के विधानसभा क्षेत्र - बद्रीनाथ में पाखी- ह्यूना- लांझी से द्वींग तक मोटर मार्ग के निर्माण का समरेखण प्रस्ताव।

Sanctioned Length:

10.000 KM

Scheme:

State Sector.

Sl. No.	Items	Alignment 1	Alignment 2
Details of Route, vis-à-vis topography of the area			
	Sanction and description of the alignment	G.O. No -5377/111(2)/13-13/ (मु० मं० घो०) / 2012 दिनांक 14-1-2013	G.O. No -5377/111(2)/13-13/ (मु० मं० घो०) / 2012 दिनांक 14-1-2013
2	Length of the alignment from starting point to terminal point.	10.00	10.00
3	Geometric		
	A Gradient in different stretches of the alignment	1:20 to 1:40 Rise & Fall & level	1:17 to 1:40 Rise & Fall
	B Curves and Hair Pin Bends	10 No	18 No
4	A Terrain and Soil Condition		
	1 Geology of the road	Earth & Boulder to VHS	Earth & Boulder to VHS
	B Road Length Passing Through		
	1 Cultivated land & Barren land	2.800 KM Naap land 7.200km Forest land	1.150 KM Naap land 8.850 km Forest land
	2 Mountainous terrain cross slope from 25° to 60°	10.00 km	10.00 KM
	3 Steep terrain cross slope greater than 60°	NIL	1.00 km
	4 Rocky stretches with indication in length in loose	NIL	NIL
	5 Area subject to avalanches and snow drifts	NIL	NIL
5	Nature of Soil		
	1 Length of reaches with Earth & Boulders	30%	20%
	2 Length of reaches with Medium Rock / Shale	10%	10%
	3 Length of reaches with Hard Rock / Shale	10%	10%
	4 Length of reaches with VHR / VHS	50%	60%
6	Bridge Requirements		
	A Major Bridges	60 mtr.	60 mtr.
	1 Total Number	1	1
	B Minor Bridges	20 mtr.	20 mtr.
	1 Total Number	1	1

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7	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents	Nil	Nil
	1 Total number of ascents and descents	maximum & minimum heights are 1400.00 mtr & 1295.00 mtr respectively	maximum & minimum heights are 1400.00 mtr & 1295.00 mtr respectively
	2 Heights of Cliffs & Gorges	Nil	Nil
8	Right of way bringing out construction on Account of Built-up Area Mountains and Other		
	Approximate area and value		
	1 Cultivated	2.800 km	1.150 Km.
	2 Irrigated	NIL	NIL
	3 Un-Irrigated	Nil	Nil
	4 Civil Soyam	7.200 KM.	8.850 KM.
	5 Forest Land	Nil	Nil
9	A Existing means of inter communication (Mule Path, Jeep track etc.)	Village Foot Path	Village Foot Path
	B Relation of proposed alignment with existing and under construction roads	This alignment takes from N.H. 58 KM 451 H (0-2) Khud side.	This alignment takes from N.H. 58 KM KM 451 H (0-2) Khud side.
10	A Availability of road construction materials	Available in vicinity, but best position can be known after Hill Side cutting	Available in vicinity, but best position can be known after Hill Side cutting
	B Location of quarries	Expected on the Alignment	Expected on the Alignment
	C Average leads		
11	Facilities & Resources		
	A Landing Ground	Nil	Nil
	B Dropping Zone	Nil	Nil
	C Food Stuffs	Pipalkoti & Joshimath market	Pipalkoti & Joshimath market
	D Labour locally available or need of import	50% labour available locally and rest need to be imported from Nepal	50% labour available locally and rest need to be imported from Nepal
	E Construction materials	Stone Mostly	Stone Mostly
	F Timber, Bamboo, Sand, Shingle, grit etc. extent of their availability & lead involved	Available within 30 to 50 kms.	Available within 30 to 50 kms.
12	Access point indicating possibility of equipment	Chamoli & Joshimath market	Chamoli & Joshimath market

Name Of Work:

PWD TD Srinagar

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13	Climate Conditions		
A	Temperature Maximum & Minimum	6 C to 20 C	6 C to 20 C
B	Rainfall Data Average Annual Peak intensity, monthly distribution of the available road length covered by Snow (Average and Period)	Average	Average
C	Wind direction & velocity	East to West with Normal velocity	East to West with Normal velocity
D	Fog conditions	in winters	in winters
E	Exposure to sun	Well exposed to sun	Well exposed to sun
F	Drainage Characteristics of the area indicating susceptibility to damage	Good natural drainage, hence maximum susceptibility to drainage	Good natural drainage, hence maximum susceptibility to drainage
14	Length of landslide	NIL	NIL
15	Length of unstable area	NIL	NIL
16	Length of Heavy Clearing	NIL	NIL
17	Length of marshy and flooded areas	NIL	NIL
18	Length of position with loose repose	NIL	NIL
19	Vegetation extent / type	Small Trees with Small Bushes	Small Trees with Small Bushes
20	Period required for constructions	2.00 YEAR	2.00 Year
21	Political Aspect	the area will be connected with district head quarter	the area will be connected with district head quarter
	Benefited Villages	Code No.	Total Population
	Pakhi	72800	246
	Lanji	72900	167
	Dwing	73100	143
22	Village Falling on Terrain		
A	Village on or within		
1	1 Km. of the Alignment	Nil	Nil
2	1 Km. to 10.0 Kms. Of the Alignment	Huna, Pakhi, Lanji	Huna, Pakhi, Lanji
B	Name of Important Village Town, Marketing Centers Other Centers connected	Joshimath, Chamoli	Joshimath, Chamoli
23	Strategic conditions	Nil	Nil
24	Economic & Industrial Consideration	Economic Up Lift of adjoining population	Economic Up Lift of adjoining population
25	Population served by alignment	in future approx	in future approx
26	Recreational potential & Potential for Development of Tourism	Nil	Nil
27	Scope for Agricultural and Horticulture Development	Will Increase	Will Increase
28	Extent of forest wealth	good	normal