

DETAILS IF ALIGNMENT

Name Of Work:

अटल आदर्श ग्राम योजनान्तर्गत गनपद बमोली के विकासखण्ड जोशीमठ में न्याय पंचायत मुख्यालय ग्राम द्वींग को मोटर मार्ग से जोड़े जाने हेतु 7.00 कि०मी० लम्बाई में मोटर मार्ग निर्माण का समरेखण प्रस्ताव।

Sanctioned Length:
Scheme:

7.000 KM
Atal adarsh gram

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 337/111(2) 09-43 (प्रा०आ०)/2009 Dated 12-3-10 .	G.O. No 337/111(2) 09-43 (प्रा०आ०)/2009 Dated 12-3-10 .
2	Length of the alignment from starting point to terminal point.	7.00	7.00
3	Geometric		
A	Gradient in different stretches of the alignment	1:20 to 1:60 Rise & level	1:17 to 1:20 Rise & level
B	Curves and Hair Pin Bends	9 NO	15 No
4	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	3.810 KM Naap land 3.190km Forest land	1.00 KM Naap land 6.00 km Forest land
2	Mountainous terrain cross slope from 25° to 60°	3.19 km	4.00 KM
3	Steep terrain cross slope greater than 60°	NIL	2.00 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	60%	40%
2	Length of reaches with Medium Rock / Shale	20%	10%
3	Length of reaches with Hard Rock / Shale	10%	20%
4	Length of reaches with VHR / VHS	10%	30%
6	Bridge Requirements		
A	Major Bridges		
1	Total Number	3	3
B	Minor Bridges		
1	Total Number	NIL	NIL

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Sl. No.	Items	Alignment 1	Alignment 2
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 1478.00 mtr & 1200.00 mtr respectively	maximum & minimum heights are 1478.00 mtr & 1200.00 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	3.810 km	2.00 Km.
2	Irrigated	NIL	NIL
3	Un-Irrigated	Nil	Nil
4	Civil Soyam	3.19 KM.	5.00 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 existing Dwing Tapon LVR motor road. End Point	This alignment takes from existing Dwing Tapon LVR motor road. End Point
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	Chamoli & Joshimath market	Chamoli & 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:

अलग अलग ग्राम क्षेत्रों के विकास के जोड़ने में नया संयोजित
मुख्यतः ग्राम क्षेत्र को मोटर मार्ग से जोड़े जाने हेतु 7.00 कि०मी० लम्बाई में मोटर मार्ग
निर्माण का समीक्षण प्रस्ताव।

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Sl. No.	Items	Alignment 1	Alignment 2
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 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
	Tapon	73200	95
	Dwing	73100	143
			SC Population
			5
			Nil
22	Village Falling on Terrain		
A	Village on or within	Malda	Malda
1	1 Km. of the Alignment	Tapon	Tapon
2	1 Km. to 10.0 Kms. Of the Alignment		
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

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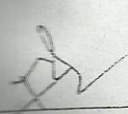
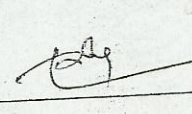
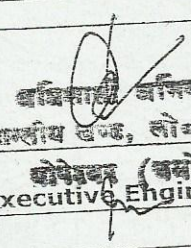
7.000 KM

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Sl. No.	Items	Alignment 1	Alignment 2
29	Possibility of development of minor or any other major development projects being taken up (e.g. Hydro Electric Projects)	Nil	Nil
30	Approximate cost of construction of each alignment	711.14 Lacs	711.14 Lacs
31	Merits & Demerits		
	A Merits	No reserv forest involved. alignment is passing through stable area alignment Accepted by villagers and elected public representatives of the area,	No reserv forest involved alignment is passing through stable area.
	B Demerits	Nil	Nil
32	Any other useful information viz. Other important projects being taken in the area required for proper completion of the work	Nil	Nil
33	Regarding Old / New Construction	New Construction	New Construction
34	Quarry Position / Location	Expacted on Alignment	Expacted on Alignment
35	Recommendation of Executive Engineer	Alignment 1 (Shown Red on Contour Map) is Recommended for Sanction	

Order of the Superintending Engineer

		 अभिषेक अभियन्ता प्रदेशीय दल, लो. नि. वि. गोपेश्वर (वमोली) Executive Engineer	Superintending Engineer
Junior Engineer	Assistant Engineer-II	Executive Engineer	PWD 7 th Circle Gopeshwar

P. Div. Gopeshwar