

Name of Work :- Construction of Billekh To Ambedker Village Gaira Motar Road (Length 2.50 Km.)

COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT

Sl. No.	ITEM	ALIGNMENT MARKED 1 (Indicated Red) As Per L-Section & Map attached	ALIGNMENT MARKED 2 (Indicated Blue) As Per L-Section & Map attached
1.	Details of routes, vis-a-vis, topography of the area		
1.	Main feature and description of Alignment	The proposed alignment connects to Gaira Village. Most of the part of alignment passes from Nap, benap, Forest And Ban Panchyat land.	The proposed alignment connects to Modi Village. Most of the part of alignment passes from Nap, benap, Forest And Ban Panchyat land.
2.	Length of the alignment from starting point to terminal point.	2.50 km	3.00 Km.
3.	Geometric		
A.	Gradient in different stretches of the alignment	1:17 Fall /1:18 Fall /1:20 Fall /1:40 Fall /1:18 Fall /1:20 fall /1:40 fall /Level & 1:40 fall	1:17 Fall /1:5 Fall /1:40 Fall /1:18 Fall /1:20 Fall /1:14 Fall /1:24 fall /1:30 fall & Level
B.	hair pin bend	4 No.	5 No.
4-A.	Terrain and soil condition		
1.	Geology of road.	Soil Mixed With earth and boulder and hard rocks Mountains Terrein.	Soil Mixed With earth and boulder and hard rocks Mountains Terrein.
B.	Road length passing through.		
1.	Mountainous terrain cross slope from 25 to 60.	2.50 km	3.00 Km.
2.	Sleep terrain cross slope greater then 60	Nil	Nil
3.	Rocky stretches with indication in length in loose.	Nil	Nil
4.	Area to subject to avalanches and snow drifts	Nil	Nil
5.	Nature of Soil		
A.	Length of reaches with soil	70%	60%
B.	Length of reaches with ordinary rocks	25%	30%
C.	Length of reaches with hard rocks	5%	10%
D.	Length of reaches with VHRVHS		Nil

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B.	Rainfall data average annual peak intensities, monthly distribution to the extent available	Rainfall dates are not available & Length of road covered by snow is Nil	Rainfall dates are not available & Length of road covered by snow is Nil
D.	Wind direction and velocity	Normal	Normal
E.	Fog conditions	In rainy season	In rainy season
F.	Exposure to sun	Full Day	Full day
13	Drainage characteristics of the area indicating susceptibility to damage.	Local valley & Garhears	Local valley & Garhears
14	Length of land slides.	Nil	Nil
15	Length of unstable area.	Nil	Nil
16	Length of heavy snow clearing.	Nil	Nil
17	Length of Marshy & flooded areas.	Nil	Nil
18	Length of positions with loose rocks.	Nil	Nil
19	Period required for construction.	1 Year	1 Year
20	Vegetation extent/Type.	Vegetation/Fruit etc.	Vegetation/Fruit etc.
21	Political aspect		
A.	Village following on or within.		
i.	1st km of the alignment		
i.	2th km of the alignment	Gaira	Gaira
22	Important village, town/marketing center connected.	Gaira, Ranikhet	Gaira, Ranikhet
23	Economics & Industrial consideration :		
i.	Population served by alignment.	Gaira	Gaira
ii.	Agricultural potential for development of forest.		Vegetable, fruits & Groups

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24	Scope of agriculture and horticulture development.	Good Scope of horticulture & Agriculture	Good Scope of horticulture & Agriculture
25	Extent of forest wealth.	Nil	Nil
26	Prospects of development of minor or any other major development project being taken up in the O.S. Hydro Electrical Project.	N A	N A
27	Approximate cost of construction.	150 lacs	180 lacs
28	Merits and Demerits	1. Road Length is shortest 2. Less H.P. bend 3. Safe side for Construction. 4. All Villagers are in Favour of this Alignment	1. Road length is longer then alignment 1. 2. More HP bend required.. 3. Not Safe side for Construction. 4. All Villagers are not agreed with this Alignment
	A. Merits	1. Nap Land effected.	1. Alignment Not according to Standards.
	B. Demerits	This alignment is most suitable technically as well as economically as per requirement of local public.	2. More HP bend required.. This alignment is not suitable technically as well as economically as per requirement of local public.
29	Recommendation of Executive Engineer.		
30	Order of superintending Engineer with reason		

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वर्गीकृत व समीक्षा, 6/7/19

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Order of superintending Engineer with reason