

Name of Work :- Construction of Era Jaurashi Moter Road.
COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT

Sl. No.	ITEM	ALIGNMENT MARKED 1 (Indicated Red)	ALIGNMENT MARKED 2 (Indicated Blue)
	Details of routes, vis-a-vis, topography of the area	Road started from km 3 of existing Era Jaurashi M/R.	Road started from km 3 of existing Era Jaurashi M/R.
1.	Main feature and description of Alignment		
2.	Length of the alignment from starting point to terminal point.	4 km	4.3 km
3.	Geometric		
A.	Gradient in different stretches of the alignment	1:30 fall, 1:30 rise, 1:20 rise, level, 1:17 fall, 1:20 fall, 1:30 rise, 1:24 rise, 1:30 fall, 1:24 fall, 1:20 fall, 1:17 fall, 1:30 fall, 1:17 fall	1:30 fall, 1:30 rise, 1:20 rise, level, 1:17 fall, 1:20 fall, 1:30 rise, 1:17 fall, 1:24 rise, 1:30 fall, 1:24 fall, 1:21 fall, 1:21 fall, 1:21 fall
B.	hair pin bend	2No.	4No.
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.	4 km	4.3 km
2.	Steep 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	60%	60%
B.	Length of reaches with ordinary rocks	35%	35%
C.	Length of reaches with hard rocks	5%	5%
D.	Length of reaches with VHR/VHS	Nil	Nil
6.	Bridge requirement	Nil	Nil
7	coordinates	29 32 11.46"N, 79 30 44.65"E 29 31 20.40"N, 79 31 13.47"E	29 32 11.46"N, 79 30 44.65"E 29 31 20.40"N, 79 31 13.47"E

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राजिंदर (कलकत्ता)

8	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents.	Nil	Nil
iv.	Total number of ascents and descents.	ascents-3, descents-4	ascents-3, descents-4
9	Right of way bringing out construction		
	Approximate area and value.		
i.	Cultivated	15%	15%
ii.	Irrigated	Nil	Nil
iii.	Unirrigated	15%	15%
	Existing means of inter-communication (mule-path, jeep, track, etc.)	Village & Mule Path	Village & Mule Path
B.	Relation of proposed alignment with existing and under construction road.	Proposed alignment cross with existing village path some places	No Existing road available
10	Availability of road construction material.	Locally	Locally
B.	Location of quarries.	Local quarries available	Local quarries available
C.	Average leads.	2km	2km
11	Facilities/Resources	Nil	Nil
a.	Launching ground	Nil	Nil
	Access point indication possibility of equipment	Nil	Nil
12	Climate condition		
A.	Temperature maximum & minimum	Maximum 35 °C Minimum 5 °C	Maximum 35 °C Minimum 5 °C
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	West to east	West to east
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	Local valley
14	Length of land slides.	Nil	Nil
15	Length of unstable area.	Nil	Nil
16	Length of heavy snow clearing.	Nil	Nil

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17	Length of Marshy & flooded areas.		Nil	Nil
18	Length of positions with loose rocks.		Nil	Nil
19	Period required for construction.		2 Year	2 Year
20	Vegetation extent/Type.		Partically covered with pine tree & bushes	Partically covered with pine tree & bushes
21	Political aspect			
	A. Village following on or within.			
	i. 1st km of the alignment		Pajeena	Pajeena
	ii. 2nd km of the alignment		Janta	Janta
	iii. 3rd km of the alignment		Valni	Valni
22	Important village, town/marketing center connected.		Ranikhet, Era, Jaurashi	Ranikhet, Era, Jaurashi
23	Economics & Industrial consideration :			
	i. Population served by alignment.		300App.	300App.
	ii. Agricultural, potential for development of forest.		Vegetable, fruities & Croups	Vegetable, fruities & Croups
24	Scope of agriculture and horticulture development.		Good Scope of horticulture & Agriculture	Good Scope of horticulture & Agriculture
25	Extent of forest wealth.		Chir wood minor trees	Chir wood minor trees
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.		200 lacs	200 lacs
28	Merits and Demerits			
			1. Road Length is shortest	Road length is longer then alignment 1.
			2. Villegers are in Favour of this Alignment	2. All Villagers are not agreed with this Alignment.
			3. No trees are effected of forest land.	3. Trees are effected of forest land.
			4. less HP Band required.	4. More HP Band required.
29	Any other useful information .		Nil	Nil
30	Recommendation of Executive Engineer.		This alignment is most suitable technically as well as economically as per requirement of local public.	This alignment is not suitable technically as well as economically as per requirement of local public.
31	Order of superintending Engineer with reason			


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 रानीखेत (अरुणाचल प्रदेश)
 बघियासी अभियन्ता
 प्र.सं. १३३, लो.नि.वि.
 रानीखेत (अरुणाचल प्रदेश)


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