

प्रपत्र-13

Performa for comparison between identified alignments

Sr. No.	Item	Alignment	
		Alignment 1	Alignment 2
1	Length of the alignment from starting point to terminal point.	10.700 Kms	11.00 Kms
2	Geometric A. Gradient in different stretches of the alignment. B. Carves and Hair pin bends.	1:20 rise, level, 1:20 fall 1:40 fall, 1:24 fall All curves as per IRC Fifteen H.P Bends	1:15 rise and 1:18 fall 1:30 fall All curves as per IRC Seventeen H.P Bends
3	Terrain and soil condition 1. Geology of the road.	Soil, OR , HR	Soil, OR , HR
	Road length passing through 1. Mountainous terrain cross slope from 25° to 60°	6.800Km	7.500Km
	2. Steep terrain cross slope greater than 60°	3.200Km	3.200Km
	3. Rocky stretches with indication in length in loose.	0.700Km	0.800Km
	4. Area subject to avalanches and snow drifts.		
4	Nature of soil		
	A. Length of reaches with earth and boulders.	1.500Km	1.800Km
	B. Length of reaches with hard rock/Shale	0.800Km	1.100Km
	C. Length of reaches with medium rock/Shale.	8.400Km	7.900Km
	D. Length of reaches with VHR/VHS.	Nil Kms	0.700Km
5	A. Bridge Requirements Minor Bridge i. Total number. ii. Range of span iii. Total water way. B. Major Bridges i Total number ii Range of span iii Total water way iv Length of cliffs and gorges. V Scuppers	0 No. 01 No. 35 Mt. 11 Nos. Average 8 Nos .Per Km	0 No. 0, Mt. 01 No. 65 Mt. 15 Nos. Average 9 Nos .Per Km
6	Right of way bringing out construction Approximate area and value i Cultivated. ii Irrigated. iii Un irrigated. iv Civil soyam & Banjar Land. v Forest land	 1.500Km 1.400Km 1.100Km 4.600Km 2.100km	 1.500Km 1.800Km 1.100Km 4.600Km 2.500km

7	<p>A. Existing means of inter communication (Mule path, Jeep etc)</p> <p>B. Relation of proposed alignment with existing and under construction roads.</p>	<p>Mule path and foot track</p> <p>Proposed alignment takes off from existing Raiagar Chaudmanya to Bhulki Adhyali M/R</p>	<p>Mule path and foot track</p> <p>Proposed alignment takes off from existing Raiagar Chaudmanya to Bhulki Adhyali M/R</p>
8	<p>A. Availability of road construction materials.</p> <p>B. Location of quarries.</p> <p>C. Average leads.</p>	<p>Locally available.</p> <p>Raiagar for sand & metal 17 Kms</p> <p>Expected on the alignment</p>	<p>Locally available.</p> <p>Raiagar for sand & metal 17 Kms</p> <p>Expected on the alignment</p>
9	<p>Facilities/ Resources</p> <p>A. Landing ground.</p> <p>B. Dropping zone.</p> <p>C. Food stuffs.</p> <p>D. Labour locally available or need of import.</p> <p>E. Construction materials,</p> <p>F. Timber, Bamboo, Sand, Stone, Shingle, shingle, Grit etc. extent of their availability & lead involved.</p>	<p>Nil</p> <p>Nil</p> <p>Berinag</p> <p>50% Labors Available</p> <p>Locally and rest From Nepal</p> <p>Stone Mostly</p> <p>Available With In 10 Kms</p>	<p>Nil</p> <p>Nil</p> <p>Berinag</p> <p>50% Labors Available</p> <p>Locally and rest From Nepal</p> <p>Stone Mostly</p> <p>Available With In 10 Kms</p>
10	<p>A. Temperature maximum & minimum.</p> <p>B. Rainfall data average annual peak intensities.</p> <p>C. Length of road covered by snow average and period.</p> <p>D. Wind direction and velocities.</p> <p>E. Fog conditions.</p> <p>F. Exposure to Sun.</p>	<p>Summer : Max 35 C, Min 20 C, Winter : Max 15 C, Min 5 C.</p> <p>Dec. to Jan.</p> <p>Nil</p> <p>From West and South with moderate velocity</p> <p>Negligible</p> <p>Well expose to sun</p>	<p>Summer : Max 35 C, Min 20 C, Winter : Max 15 C, Min 5 C.</p> <p>Dec. to Jan.</p> <p>Nil</p> <p>From West and South with moderate velocity</p> <p>Negligible</p> <p>Well expose to sun</p>
11	Length of land slides.	25 Mt	25 Mt
12	Period required for construction.	12 month (working season)	12 month (working season)
13	Vegetation extent/ type	Ordinary bushes and some cheer trees	Ordinary bushes and some cheer trees

सहायक अभियन्ता

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डीडीहाट (पिथौरागढ़)

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