

Attachement 2.4


Performa for comparison between identified alignments

Sl. No	Variables	Alignment No-1				Alignment No-2			
1	Topography	Mountainous				Mountainous			
2	Length of Road	2.00 Km.				4.00 Km.			
3	Bridging requirement No. and Length	Nil				Nil			
4	Geometric								
	(a) Gradients	1:20				1:17			
	(b) Curves, H.P Bends	4 H.P. Bends				5 H.P. Bends			
5	Existing Means of communication, mule path, jeep, Tracks etc.	Mule Path				Mule Path			
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	Right of way is available for carrying out the construction work. There are no built up area, monuments or other important structures along this alignment.				Right of way is available for carrying out the construction work. There are no built up area, monuments or other important structures along this alignment.			
7	(a) Terrain & Soil Condition.	Hilly and soil is a mix of Earth & Boulders, Soft Rock and Hard Rock.				Hilly and soil is a mix of Earth & Boulders, Soft Rock and Hard Rock.			
	(b) Cliffs and gorges.	None				None			
	(c) Drainage characteristics of the area including supceptibility to flooding.	The natural drainage characterstics of the area is good and there is no susceptibility to flooding.				The natural drainage characterstics of the area is good and there is no susceptibility to flooding.			
	(d) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.	The general elevation of road is 1147.98 m. the elevation of the starting point of the road is 1200.00 m. & the elevation of the end point of the road is 1095.95 m. Thus the road achive the hight of 104.05 m.				The general elevation of road is 1097.22 m. the elevation of the starting point of the road is 1210.00 m. & the elevation of the end point of the road is 984.47 m. Thus the road achive the hight of 225.53 m.			
	(e) Variations extants and types.	Variable of the Habitation	Weight age of the variable	Variable	Value Obtained	Variable of the Habitation	Weight age of the variable	Variable	Value Obtained
		Population	8	408	2	Population	8	408	2
		SC/ST Population	8	90	4	SC/ST Population	8	90	4
		Primary School	4	1	2	Primary School	4	1	2
		Middle School	6	No	0	Middle School	6	No	0
		High School	8	Yes	6	High School	8	Yes	6
		Intermediat e School	8	No	0	Intermediat e School	8	No	0
		Voacationa l School	8	No	0	Voacationa l School	8	No	0
		Dispensary	4	Yes	4	Dispensary	4	Yes	4
		Maternity & Child Welfare Centers	6	Yes	6	Maternity & Child Welfare Centers	6	Yes	6
		Primary Health Centre & Veterinary	8	No	0	Primary Health Centre & Veterinary	8	No	0

Sl. No	Variables	Alignment No-1				Alignment No-2			
		Police Station	6	No	0	Police Station	6	No	0
		Post Office	4	Yes	4	Post Office	4	Yes	4
		Electrified	6	Yes	6	Electrified	6	Yes	6
		Panchayat Head Office	6	Yes	6	Panchayat Head Office	6	Yes	6
		No. of days Market Held	6	No	0	No. of days Market Held	6	No	0
		Hilly Area	4	Yes	4	Hilly Area	4	Yes	4
		Total	100		44	Total	100		44
8	Climate Condition:								
	(a) Temperature Monthly max. & min. reading.	Month	Temperature (in °C)			Month	Temperature (in °C)		
			Max	Min			Max	Min	
		January	24	9		January	24	9	
		February	25	10		February	25	10	
		March	27	16		March	27	16	
		April	35	20		April	35	20	
		May	38	22		May	38	22	
		June	40	24		June	40	24	
		July	34	27		July	34	27	
		August	31	24		August	31	24	
		September	31	22		September	31	22	
		October	29	18		October	29	18	
		November	26	14		November	26	14	
		December	23	10		December	23	10	
	(b) Rainfall data average annual peak intensities monthly distribution (to the extent available).	Month	Average Rainfall Data (in mm)			Month	Average Rainfall Data (in mm)		
		January	74			January	74		
		February	63			February	63		
		March	63			March	63		
		April	25			April	25		
		May	48			May	48		
		June	168			June	168		
		July	389			July	389		
		August	309			August	309		
		September	174			September	174		
		October	83			October	83		
		November	9			November	9		
		December	30			December	30		
	(c) Snowfall data average annual peak intensities monthly distribution (to the extent available)	During the Month of December, January and February there are little chaces of Snowfall in on the proposed alignment of the road.				During the Month of December, January and February there are little chaces of Snowfall in on the proposed alignment of the road.			

Sl. No	Variables	Alignment No-1				Alignment No-2			
	(d) Wind direction and velocities.	Owing to the nature of terrain local affect are pronounced and when the general prevailing winds not too strong to mask these effect there is a tendency for diurnal reversal of winds the flow being anabatic during the day and katabatic at night the latter being of considerable force				Owing to the nature of terrain local affect are pronounced and when the general prevailing winds not too strong to mask these effect there is a tendency for diurnal reversal of winds the flow being anabatic during the day and katabatic at night the latter being of considerable force			
	(e) Fog Condition.	Generally there are no fog conditions in the area However during the month of December and January slight foggy conditions prevail during night, with clear sky in the day				Generally there are no fog conditions in the area However during the month of December and January slight foggy conditions prevail during night, with clear sky in the day			
	(f) Exposure to sun.	The site is exposed to sun throughout the year				The site is exposed to sun throughout the year			
	(g) Unusual weather condition like cloud burst etc.	There is no record of unusual weather condition like cloud burst in the area where the site is located				There is no record of unusual weather condition like cloud burst in the area where the site is located			
9	Facilities resources.								
	(a) Landing ground.	None				None			
	(b) Dropping Zone.	None				None			
	(c) Food stuffs.	Patato, Rice, Wheat, Orange, Mango, Walnut				Patato, Rice, Wheat, Orange, Mango, Walnut			
	(d) Labour local availability and need for import.	Local labour is available for construction of work				Local labour is available for construction of work			
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	Stone required for the construction work shall be made available locally as it shall be obtained from hill side cutting. However sand and stone chips (grit) required for the construction work shall be procured from the approved quarry.				Stone required for the construction work shall be made available locally as it shall be obtained from hill side cutting. However sand and stone chips (grit) required for the construction work shall be procured from the approved quarry.			
10	Value of land, agricultural land, Irrigated land, built up land, forest land etc,	Private Land	0.117 Ha.	@ 20.00	2.34	Private Land	0.450 Ha.	@ 20.00	9.00
		Civil Land	0.000 Ha.	@ 9.35	0.00	Civil Land	0.000 Ha.	@ 9.35	0.00
		Reserve Land	0.000 Ha.	@ 9.35	0.00	Reserve Land	0.000 Ha.	@ 9.35	0.00
		Van Panchayat	1.583 Ha.	@ 9.35	14.80	Van Panchayat	2.450 Ha.	@ 9.35	22.91
		Total value of Land (in Lakh)			17.14	Total value of Land (in Lakh)			31.91
11	Approximate Const. Cost.	2.000 Km.	@ 46.60	93.20	Lakh	4.000 Km.	@ 46.60	186.40	Lakh
12	Access point indicating possibility of induction of equipment.	Access point available for induction of equipment.				Access point available for induction of equipment.			
13	Period required for construction.	6 Months				12 Months			
14	Strategic Consideration.	Deployment of skilled manpower and efficient equipment/machinery shall be made for completion of the project.				Deployment of skilled manpower and efficient equipment/machinery shall be made for completion of the project.			
15	Important villages, towns and markets centers to be connected.	The road shall provide connectivity to village Paithani with a population of 408 numbers.				The road shall provide connectivity to village Paithani with a population of 408 numbers.			
16	Recreational potential.	Nil				Nil			

Alignment no. (1) Recommended for approval being more economical, useful & technically feasible.

 सहायक अभियन्ता
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