Attachement 2.4

Performa for comparison between identified alignments

Sl. No	Variables	Alignment No-1			Alignment No-2					
1	Topography	Mountainous					Mountain	ous		
2	Length of Road	7	2.00 Km	1.		*	4.00 Kn	1.		
3	Bridging requirement No. and Length		Nil	- (Nil	111111111111111111111111111111111111111		
4	Geometric								1	
	(a) Gradients		1:20			1:17				
	(b) Curves, H.P Bends		4 H.P. Be	nds	5 H.P. Bends					
5	Existing Means of		Mule Pa	Mule Path						
3	communication, mule path, jeep, Tracks etc.		Mule Fa	ш			Mule Pa	ıtn		
6	Right of way, bringing out.	Right of wa	y is availabl	e for carr	ying out	Right of wa	y is availab	e for carr	ving out	
	construction on account of built		ction work.		_	the construc			·	
	up areas, monuments and other	up area, m	onuments or	other im	portant	up area, m	onuments o	r other im	portant	
	structures.		res along the			structures along this alignment.				
.7 .	(a) Terrain & Soil Condition.	Hilly and soi				Hilly and soil is a mix of Earth &				
		Soft	Rock and F	lard Rock		Boulders, Soft Rock and Hard Rock.				
	(b) Cliffs and gorges.		None			None				
	(c) Drainage characteristics of					The natural drainage characterstics of the				
	the area including supceptibility	area is good			tibility to) 2552 5 5				
	to flooding.	(m)	floodin			to flooding.				
	(d) General elevation of the road	177				_				
	indicating maximum and minimum height negotiated by		on of the sta 0.00 m. & th			m. the elevation of the starting point of the road is 1210.00 m. & the elevation of the				
	main ascends and discends.									
	mani ascends and discends.		of the road is achive the hi			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	Weight	Variable		Variable of		Variable		
	,	the	age of the	I ·	Obtained		age of the	Committee of the Commit	Obtaine	
		Habitation				Habitation	177		d	
		Population	8	408	2	Population	8	408	2	
		SC/ST	8	90	4	SC/ST	8	90	4	
	NI NI	Population				Population				
		Primary	4	1	2	Primary	4	1	2	
	*	School				School				
		Middle	6	No	0	Middle	6	No	0	
_		School	8	\		School	-			
		High School	0	Yes	6	High School	8	Yes	6	
		Intermediat	8	No	0	Intermediat	8	No	1 0	
		e School			"	e School		1,0	"	
		Voacationa	8	No	0	Voacationa	8	No	0	
		l School			<u> </u>	1 School				
		Dispensary	4	Yes	4	Dispensary	4	Yes	4	
		Maternity	6	Yes	6	Maternity	6	Yes	6	
		& Chile	i			& Chile	i			
		Welfare				Welfare		1		
-	 	Centers		 	1	Centers				
		Primary	8	No	0	Primary	8	No	0	
		Health				Health				
1	1	Centre &	2.1	1	1	Centre &	2.1	1	1	

SI. No	Variables	A	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	
	5 ng 5	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:				<u> </u>					
	(a) Temperature Monthly max. & min. reading.	Mor	Month		rature (in	Month		Temperature (in		
	© IIIII. rodaing.	1		Max	Min				Min	
		Janu	ary	24	9	Janu	January		9	
-		Febr	uary	25	10	Febr	uary	25	10	
	 	Ma		27	16	Ma	rch	27	16	
		Ap	ril	35	20	Ap	oril	35	20	
		M		38	22		ay	38	22	
-	 		ne .	40	24		ne	40	24	
		Ju	ly	34	27	Ju	ıly	34	27	
1	12	Aug	gust	31	24	Aug	gust	31	24	
	· · · · · · · · · · · · · · · · · · ·	Septe	mber	31	22	Septe	ember	31	22	
		Oct	ober	29	18	Oct	ober	29	18	
		Nove	mber	26	14	Nove	ember	26	14	
		Dece	mber	23	10	Dece	ember	23	10	
	(b) Rainfall data average annual peak intensities monthly distribution (to the extensional extension available).	y	onth	100	ge Rainfal (in mm)	l Mo	onth		e Rainfal (in mm)	
		Jan	uary		74	Jan	iuary		74	
		Feb	ruary		63	Feb	ruary		63	
		M	arch		63	M	arch	2.5	63	
		A	pril		25	A	pril		25	
		N	1ay		48	N	⁄1ay		48	
		J	une		168	J	une		168	
		J	July		389	July		389		
		Αι	ıgust		309		ugust		309	
	September October			174		September		174		
				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 and February there are showfall in on the available)			e are little	chaces of	and Feb	During the Month of December, January and February there are little chaces of Snowfall in on the proposed alignment of the road.			

SI.	Variables	A	lignment	No-1		Alignment No-2				
No						110 2				
	(d) Wind direction and velocities.	prevailing these effect reversal of during the	unced and w winds not to	then the good strong to he dency for the being a labatic at n	eneral o mask r diurnal anabatic ight the	Owing to the nature of terrian 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				
	(e) Fog Condition. (f) Exposure to sun.	Generally the area Ho Decembe conditions p	ere are no fo wever during er and Janua prevail durin sky in the	eg condition g the mon ary slight f g night, w day	ons in the th of Toggy rith clear	latter being of considerable force 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				
	(1) Exposure to suit.	i ne site is o	exposed to s year	un throug	hout the	The site is	exposed to s year	sun throug	ghout the	
	(g) Unusual weather condition like cloud brust etc.	There is no record of unusual weather condition like cloud burst in the area where the site is located				condition	no record of I like cloud here the site	burst in tl	ne area	
9	The state of the s									
	(a) Landing ground.	· · · · · · · · · · · · · · · · · · ·	None				None	3		
	(b) Dropping Zone.	None Patato, Rice, Wheat, Orange, Mango, Walnut				None				
	(c) Food stuffs.					Patato, Rice, Wheat, Orange, Mango,				
	(d) Labour local availability and need for import.	Local labour	is available work	for const	ruction of	Walnut Local labour is available for construction of work				
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	shall be made available locally as it shall be				Stone required for the construction work shall be made available locally as it shall be otained form 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, bult up land, forest land etc,		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	
11	Approximate Const. Cost.	Total value of Land (in Lakh) 17.14 2.000 Km. @ 46.60 93.20 Lakh				Total value of Land (in Lakh) 31.91				
12	Access point indicating possibility of induction of equipment.	Access p	oint availabl equipm	e for indu	Lakh ction of	4.000 Km. @ 46.60 186.40 Lakh Access point available for induction of equipment.				
13	Period required for construction.		6 Mon	ths		12 Months				
14	,	efficient made fo	nent of skille equipment/n or completio	nachinery	shall be	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.				
16	Recreational potential.		Nil			Nil				

Sl. Variables		Alignment No-1	Alignment No-2				
No		g 22					
17	Economic Factors:						
	(a) Population served by the alignment.	408	408				
	(b) Agricultures and economic potential of the area.	Transportation of the cultivated crops by mechinical means (ie. through road) shall enhance the economical condition of the people residing in this area. Potential of the development of animal husbandry is abailable in large scale.	Transportation of the cultivated crops by mechinical means (ie. through road) shall enhance the economical condition of the people residing in this area. Potential of the development of animal husbandry is abailable in large scale.				
18	other major development projects being taken up electric projects etc.	None	None				
19	(i) Misc. Such as camping sites	None	None				
	(ii) Law and other problem	None	None				
	(iii) Royalty	Royalty is paid to the Revenue Department as per rate fixed by District Magistrate.	Royalty is paid to the Revenue Department as per rate fixed by District				
	(iv) Availability of contractors for collection and carriage of construction material		Available				
	(v) working period available for construction of work.	8 Months	8 Months				
20	Total No. of trees to be removed	40	G-110				
21	Average Density of forest cover	0.2	0.2				
22	Total No. of Merits	17	10				
23	Total No. of Demerits	4	11				

RECOMMENDATIONS:

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

& technically feasible.

A. Assistant. Engineer/J.E.

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