Name of the Work- Construction of Bakriya Bend to Chimta Link Motor Road under PMGSY

Comparison between identified alignments

SI. No.	Variables			ned angun	Charles Audit and a second control of the control o	lignment	No-2		
1	Topography	Alignment No-1 Mountainous			Mountainous				
2	Length of Road	12.00			12.00 km				
3	Bridging requirement No. and				Nil				
-	Length								
4	Geometric	0							
	(a) Gradients	1:20			1:20				
	(b) Curves, H.P Bends	15 numbers of H.P. Bends			12 numbers of H.P. Bends				
5	Existing Means of	By mule path	1		By mule pat	h			
	communication, mule path,								
	jeep, Tracks etc.		an disance and object your behavior of the solid control of the	o de primario en histório en el destinaj de entre distributo en entre de escuencia de pre-					
6	Right of way, bringing out. Right of way is available for carry								
					out the construction work. There are no built up area, monuments or other important structures along this alignment				
	,								
	and other structures.		structures	along this					
		alignment							
7	(a) Terrain & Soil Condition.	Terrain & Soil Condition The terrain is hilly and the soil is a mix					The terrain is hilly and the soil is a		
•	(a) Torrain a con corrain				mix of Earth and Boulders, Soft Rock				
	Hard Rock.				and Hard Rock.				
	(i) Cliffs and gorges.	(i) None			(i) None				
			natura	l Drainage	1.,	natur	al Drainage		
	(ii) Drainage characteristics of the area including	(II) IIIE			characteristics of the area is good and there is no susceptibility to flooding.				
	susceptibility to flooding .	there is no s							
	susceptibility to libouring.	ulere is no s	asceptionity	to nooding					
	City Country of the	(iii) The Con	aral alayat	ion of the road		acrol olove	ation of the road		
	(III) General elevation of the	(iii) The General elevation of the road			is 1670 m. The elevation at the				
	minimum height pagetisted by	starting pair	t of the re	valion at the	starting point of the road is 1510 m and the elevation at the end point of				
	main accorde and descends	and the ele	vation at th	e end noint of					
	main ascends and descends.				the road is 1830 m. Thus the road achieves a height of 320 m.				
	(iv) Variations extant and 50 / 100 (Attached after com		comprative)	50 / 100 (Attached after comprative)					
	types.								
8	Climate Condition:	(a) Tompore	turo Month	ly may & min	(a) Temper	ature Mon	thly may & min		
	& min. reading.	reading (Avg. data of 12 years)			(a) Temperature Monthly max. & min. reading (Avg. data of 12 years)				
	a min. reading.		_						
		Month	Temperature (in ⁰ C)		Month	Temperature (in ⁰ C)			
			Max.	Min.		Max.	Min.		
	1	January	18	-1	January	18	-1		
		Feb.	22	7	Feb.	22	7		
		March	27	13	March	27	13		
		April	33	18	April	33	18		
		May	35	20	May	35	20		
		June	32	21	June	32	21		
		July	31	21	July	31	21		
		August	30	23	August	30	23		
		September	30	21	September		21		
	2	October	29	17	October	29	17		
		November	26	12	November	26	12		
		December	21	1-1	December	21	-1		
		2000111001		1					



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प्रभागीय वनाधिकारी वेदारनाथ वन्य जीव प्रभाग

SI. No.	Variables	Alignment No-1		Alignment No-2		
1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	(b) Rainfall data average	(b) Rainfall data average annual peak		(b) Rainfall data average annual peak		
			nonthly distribution	intensities monthly distribution		
	monthly distribution (to the extent available) .	Month	Average Rainfall Data (in mm)	Month	Average Rainfall Data (in mm)	
		Language	74	January	74	
		January		Feb.	76	
	1	Feb.	76	March	77	
		March	77	April	36	
		April	36 48	May	48	
		May	140	June	140	
		June July	322	July	322	
			271	August	271	
		August		September		
		September		-		
		October	66	October	66	
		November	12	November	12	
		December	33	December		
	annual peak intensities monthly distribution (to the	December depth on ar	and January upto 15 cm in n average.	(c) Snowfall occurs in the month of December and January upto 15 cm in depth on an average.		
	(d) Wind direction and velocities.	affect are general p strong to m tendency for the flow be and kataba of consider	pronounced and when the revailing winds not too hask these effect, there is a or diurnal reversal of winds, ing anabatic during the day atic at night, the latter being table force.	(d) 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.	conditions during the January, prevail dur the day.	in the area. However, month of December and slight foggy conditions ing night, with clear sky in	prevail during night, with clear sky in the day.		
	(f) Exposure to sun.	throughout	the year.	(f) The site is exposed to sun throughout the year.		
	(g) Unusual weather condition like cloud burst etc.	weather co	is no record of unusua ondition like cloud burst ir here the site is located.	(g) There is no record of unusual weather condition like cloud burst in the area where the site is located.		
9	Facilities resources.					
9	(a) Landing ground.	(a) None		(a) None		
	(b) Dropping Zone.	(b) None		(b) None		
	(c) Food stuffs.		Adrak, Mirch, Lehsoon ehun, Aloo etc.	(c) Haldi, Adrak, Mirch, Lehsoon, Dhan, Ghehun, Aloo etc.		
	(d) Labour local availability and need for import.	(d) Local construction	l labour is available fo on work.	r (d) Local construction	labour is available fo on work.	

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सहायक अभियन्ता अधिशासी अभियन्ता ग्रामीय निर्माण विभाग ग्रामीण निर्माण विभाग गी०एम०जी०एस०वाई० उपवास प्राप्ताण खण्ड-कर्णप्रयाग

वन क्षेत्रप्रवकारी धनपुर वन क्षेत्र गीचर प्रभागीय वनाधिकारी केदारनाथ वन्य जीव प्रभाग गोपेश्वर।

SI. No.	Variables	<u> </u>	Alignment No-1	Alignment No-2
31. 140.		(e) Sto	ne required for the construction	
				construction work shall be made
	1.			available locally as it shall be
			However, sand required for	
	involved.	V 0.77		However, sand required for the
		A CONTRACTOR OF THE PARTY OF TH		construction work shall be procured
				from the approved quarry with a
				distance of 30 km.
10	Value of land agricultural	Value	of the land required for the	Value of the land required for the
10				construction of the road in this
	land, forest land etc,		ent is as under-	alignment is as under-
	larid, fordor faria des,		Court de Maior Doubling Danis and Danis de	
			00= Rs. 69,86,250.00	 Private land, 5.8875 hectare @ Rs. 9,00,000= Rs. 52,98,750.00
		- Fore	st Land 3 3025 hectare @ Rs	- Forest Land, 4.72 hectare @ Rs
				9,35,000= Rs. 44,13,200.00
				Thus total value of land = Rs
			,087.00	9711950.00
11	Approximate Const. Cost.	-	0.00 lacs	Rs.800.00 lacs
12		Acces	point available for induction of	Access point available for induction of
	possibility of induction of equipment.	equipn	nent	equipment
13		15 mo	nths	15 months
	construction.			
14	Strategic Consideration.	Deploy	ment of skilled manpower and	Deployment of skilled manpower and
		efficier	t equipment / machinery shall	efficient equipment / machinery shal
		be ma	de for completion of the project.	be made for completion of the
				project.
15	Important villages, towns and	The ro	ad shall provide connectivity to	The road shall provide connectivity to
	markets centers to be	Village	- Bedi Talli Chorda and	Village- Bedi Talli Chorda and
	connected.	Chhim	ta with a population of 880	Chhimta with a population of 880
		numbe	rs	numbers
16	Recreational potential.	Nil		Nil
17	Economic Factors:	<u> </u>		
	(a) Population served by the	(a) 880	numbers	(a) 880 numbers
	alignment.			
	(b) Agricultures and economic	(b) Tr	ansportation of the cultivated	(b) Transportation of the cultivated
	potential of the area.			crops by mechanical means (i.e.
				through road) shall enhance the
				economical condition of the people
		and the second second second		residing in this area. Potential of the
		develo	pment of animal husbandry.	development of animal husbandry.
18	Other major development	None		None
	projects being taken up		10	
	electric projects etc.			
19	(i) Misc. Such as camping	(i) Car	nping sites to be located along	(i) Camping sites to be located along
	sites		nment of the road.	the alignment of the road.
	(ii) Law and other problem			(ii) There is no significant law and
				order problem in the area and the
				local administration takes care o
		such n	natters.	such matters.

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सहायक आर्थियन्सा ग्रामीय निर्माण विमान पीर्ण्यक्षीर्ण्यकार अधिशासी अभियन्ता अमीप्र निर्माण विमाग पीर्णणान्त्रीरुप्तन्ताईरु

वन क्षेत्रमें वेकारी

प्रभागीय वनाधिकारी केदारनाथ वन्य जीवं प्रभाग

SI. No.	Variables	Alignment No-1	Alignment No-2			
	(iii) Royalty	(iii) Royalty is paid to the Revenue Department.	(iii) Royalty is paid to the Revenue Department.			
	(iv) Availability of contractors for collection and carriage of construction material		(iv) Available			
	(v) Working period available for construction of work.	(v) 09 months in a year	(v) 09 months in a year			
20	Total No. of trees to be removed.	numbers	numbers			
21	Average Density of forest cover.	(Dense Forest)	(Dense Forest)			
22	Total No. of Merits	15	10			
23	Total No. of Demerits	05	10			

Note- Colour filled Cell is the de-merit of the alignment whereas no fill is the merit of the alignment

RECOMMENDATIONS:

Alignment no. -1 is Recommended for approval being more economical, useful & technically feasible.

वन क्षेत्रा विकारी धनपुर वन क्षेत्र गौयर विश्वास्त्र स्थितियाः व्यामीके मिनर्माण विभाग पी०एमञ्जी०एस० सर्व उपखण्ड- कर्णव्याग

D.F.O.

प्रभागीय वनाधिकारी केदारनाथ वन्य जीव प्रभाग गोचेश्वर