

A-2.4.1

प्रारूप-13

Name of Work: Construction of Berat Beran to Bagot Moter-Road,(Stage-Ist),under P.M.G.S.Y.

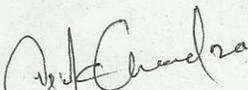
Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	Alignment takes off at thal pakho dharmgarh Motor road Km 14. Grade of this alignment are 1:20 R.,1:22 F.,1:40 F.,1:20 F.,1:22 F. It shall run through civil soyam land ,forest land and nap land .There are five H.P.Bands provided.	Alignment takes off at thal pakho dharmgarh Motor road Km 14. Grade of this alignment are 1:15 R.,1:18R.,1:20R.,1:24 R.,1:60Rise,level,1:22F. 1:17 F 1:14F and 1:12F.It shall run through civil soyam land ,forest land and nap land .There are Three H.P.Bands provided.
2	Length of Road	4.100 KM.	4.800 KM
3	Bridging requirement No. and Length	Minor bridge 1 no. Range of span 8m Majour bridge 1 no. Range of span 18.m	Minor bridge 3 no. Range of span (5,4,6)m Majour bridge 2 no. Range of span (15, 12)m span
4	Geometric		
	(a) Gradients	1:20 F,1:22F1:24F1:20 F1:22Fall.	1:15R1:18R1:20R1:24R1:60R Level 1:22F1:17F1:14F and 1:12F
	(b) Curves, H.P Bends	All Curvesas per IRC Five H.P.Bandes	All Curvesas per IRC Three H.P.Bandes
5	Existing Means of communication, mule path, jeep, Tracks etc.	MULE PATH AND TRACKS	MULE PATH AND TRACKS
6	Right of way, bringing out. construction on account of built up areas, monuments and other structures.	CULTIVATED 3.075KM. IRRIGATED.....NIL UNIRRIGATED.....3.075KM. CIVILL SOYAM & BANJAR LAND1.025KM FOREST LANDNIL	CULTIVATED 3.400KM. IRRIGATED.....1.500KM. UNIRRIGATED.....1.900KM. CIVILL SOYAM & BANJAR LAND1.000KM. FOREST LAND ...0.400KM.
7	(a) Terrain & Soil Condition.	Soil, or,H.R.	Soil orH.R.
	(vi) Cliffs and gorges.(vii) Drainage characteristics of the area including supceptibility to flooding .(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.(ix) Variations extants and types.	(vi)Normal. (vii)Good natural drainage hence susceptibility to damage in minimum (viii)Minimum & Maximum heights 1800 m and 1750 m. through Up & Down (ix) Ordinary bushes and some cheer tree	(vi) Normal. (vii)Good natural drainage hence susceptibility to damage in minimum (viii)Minimum & Maximum heights 1800 m and 1750 m. through Up & Down (ix) Ordinary bushes and heavy cheer tree
8.	Climate Condition:(a) Temperature Monthly max. & min. reading.(b) Rainfall data average annual peak intensities monthly distribution (to the extent available) .(c) Snowfall data average annual peak intensities monthly distribution (to the extent available) .(d) Wind direction and velocities.(e) Fog Condition.(f) Exposure to sun.(g) Unusual weather condition like cloud brust etc.	Similar climatic conditions with pithoragarh.(Normal climate	Similar climatic conditions with pithoragarh.(Normal climate

	Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.		in 50 km
10.	Value of land, agricultural land, Irrigated land, bult up land, forest land etc,	Value of land will increase after the construction of proposed road	Value of land will not be affected much.
11.	Approximate Const. Cost.	244.94 Lac	288.00 Lac
12.	Access point indicating possibility of induction of equipment.	Induction of Equipment is easy in the alignment	Induction of Equipment is Moderate in the alignment
13.	Period required for construction.	50 year	50 year
14.	Important villages, towns and markets centers to be connected.	Thal,Barinag,Pithoragarh,	Thal,Barinag,Pithoragarh,
15.	Economic Factors: (a) Population served by the alignment. (b) Agriculures and economic potential of the area. (c) Recreational potential.	a-Approximate b-good c-will increase	a-Approximate b-good c-will increase,
16.	Strategic Considerations.		
17.	1.Scope of agriculture and horticulture developments. 2.Extent of forest wealth .	1.Good 2.Normal	1.Good 2.Normal
18.	.. Prospect of deveiopment of minor or any other major development projects being taken up in the Hydro Electric project.	Will Increase	Will Increase
19.	(i) Misc. Such as camping sites (ii) Law and other problem (iii) Royalty (iv) Availability of contractors for collection and carriage of construction material (v) working period available for construction of work.	12 month (working season)	12 month (working season)
20.	Total No. of trees to be removed .	51	
21.	Average Density of forest cover .	Less Dense forest	Dense forest
22.	Total No. of Merits	1-alignment accepted by villagers&elected public representatives of the area. 2-one minor and major bridges. 3-alinmen is passing through stable area	1-3 h.p bends are provided 2-two minor bridges and three culvert. 3-alignments is passing through stable area.
23.	Total No. of Demerits	1.There are 5 H.P bends are provided	1-alignment is not acceptecd by villagers &elected public Representative 2-increasing number of nap land in alignment

RECOMMENDATIONS:

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


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