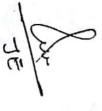
COMPRATIVE STATEMENT OF VARIOUS ALIGNMENTS

Name of Work : Alignment of Nandprayag km 15 to Jakhni Motor Road under PMGSY

Sanctioned Length : 4.325 KM Scheme

s.no	Items	Alignment-1	Alignment-2
	Detail of route, vis-a-vis topography of the area		
1	Main feature and description of the alignment	Proposed road starts from Nandprayag	Proposed road starts from Nandprayag
2	Length of the alignment from starting point to terminal point.	4.325 km	5.00 km
u	Geometric		
	 A Gradient in different stretches of the alignment. 		
	B Curves and hair pin bends	6 no of H.P. Bend	8 no of H.P. Bend
4	A Terrain and soil condition		
	1 Geology of the road	E&B to VHS/VHR	E&B to VHS/VHR
	B Road length passing Through		
47 25	1 Cultivated land & barren land		
	2 mountainous terrain cross slpoe from 25° to 60°		A Comment of the Comm
	3 steep terrain cross slope greater than 60°		
	4 Rocky stretches with indication in length in loose	Nii	Nii
	5 Area subjected to evalanches and snow drifts	Nii ·	Nii







COMPRATIVE STATEMENT OF VARIOUS ALIGNMENTS

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5 Nature of Soil 1 Length of reaches with Earth & Boulders 2250 Mtr 2 Length of reaches with Medium Rock/ Shale 100Mtr 10950 Mtr 10950 Mtr 10950 Mtr 10950 Mtr 10950 Mtr 1000Mtr	s.no	Items	Alignment-1	Allgnment-2
1 Length of reaches with Earth & Boulders 2250 Mtr 2 Length of reaches with Medium Rock/ shall 1975 Mtr 3 Length of reaches with Medium Rock/ shall 1975 Mtr 3 Length of reaches with Hard Rock/Shale 100Mtr 4 Length of reaches with VHRVHS 0.00 0 0 0 0 0 0 0 0	Ch	Nature of Soil		
2 Length of reaches with Medium Rock/ shall 1975 Mtr		1 Length of reaches with Earth & Boulders	2250 Mtr	2550 Mtr
3 Length of reaches with Hard Rock/Shale 100Mtr 1			1975 Mtr	1950 Mtr
A				500Mtr
6 Bridge Requirement 1 1 1 Total Number 1 1 1 1 Total Number 1 <th></th> <td>-</td> <td></td> <td>0.00</td>		-		0.00
A Major Bridges 1 Total Number 1 1 1 1 1 1 1 1 1	6	Bridge Requirement		
1 Total Number 1 1 1 1 1 1 1 1 1		A Major Bridges		
2 Range Of Span 54 54 54 54 54 54 54 5		1 Total Number		4
3 Total Waterway 45 45 45 8 Minor Bridges/Culvert 1 Total Number Nii 1 1 1 1 1 1 1 1 1			54	54
B Minor Bridges/Culvert 1 Total Number Nii Nii 1 1 1 1 1 1 1 1 1		9	45	45
1 Total Number Nii Nii 2 Range Of Span Nii N		_		
2 Range Of Span Nii Nii 3 Total Waterway Nii Nii 1 Nii Nii 1 Nii			Nii	
General Elevation of the Road including Maximun and minimum heights negotiated by main ascents and I Total Number of ascents and descents Throughout Fall, Rise, Level grade Throughts of cliffs & Gorges Nil Right of way bringing out construction on Account of Built-up Area Mountains and other Approximate Area and Value 1500 Mtr 2 Irrigated 0.00 3 Unirrigated 4 Civil Soyam & Van Panchayat 1500 Mtr 1500			Nii	18
General Elevation of the Road including Maximun and minimum heights negotiated by main ascents and 1 Total Number of ascents and descents Throughout Fall, Rise, Level grade 7 Heights of cliffs & Gorges Nil		Total Waterway	Nii	12
1 Total Number of ascents and descents Throughout Fall, Rise, Level grade 2 Heights of cliffs & Gorges Nil Right of way bringing out construction on Account of Built-up Area Mountains and other Approximate Area and Value 1500 Mtr 2 Irrigated 0.00 3 Unirrigated 1500 Mtr 4 Civil Soyam & Van Panchayat 1500 Mtr 2 Forest Land 1500 Mtr 1		General Elevation of the Road including Maxi	imun and minimum heights negotiated by main ascents a	nd descents
2 Heights of cliffs & Gorges Nil Programme Pro		1 Total Number of ascents and descents	Throughout Fall, Rise, Level grade	Throughout Fall, Rise, Level grade
Right of way bringing out construction on Account of Built-up Area Mountains and other Approximate Area and Value 1 Cultivated 2 Irrigated 3 Unirrigated 4 Civil Soyam & Van Panchayat 5 Forest Land			Nii	N.ii
		Right of way bringing out construction on Ac	count of Built-up Area Mountains and other	
Cultivated 1500 Mtr Irrigated 0.00 Unirrigated 1500 Mtr Civil Soyam & Van Panchayat 1500 Mtr	_	Approximate Area and Value		
Irrigated 0.00 Unirrigated 1500 Mtr Civil Soyam & Van Panchayat Forest Land			1500 Mtr	2000 Mtr
Unirrigated 1500 Mtr Civil Soyam & Van Panchayat Forest Land		Irrigated	00.0	0.00
Civil Soyam & Van Panchayat Forest Land		L	1500 Mtr	2000 Mtr
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COMPRATIVE STATEMENT OF VARIOUS ALIGNMENTS

Name of Work : Alignment of Nandprayag km 15 to Jakhni Motor Road under PMGSY

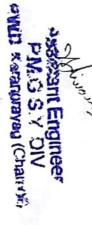
Sanctioned Length : 4.325 KM

Scheme

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Wind direction and velocities Fog conditions	Vind direction and velocities		Length of road covered by snow average period Nil	Rainfall data average annual peak intensities	Temperature maximum & minimum	CLIMATE CONDITIONS	Access point indicating possibility of equipment	extent of there availability & lead involved	construction materials	Labour locally available or need of import.	Food stuffs	Droping zone	Landing Ground	Facilities/ Resources	Average leads	Location of quarries	Availability of road construction material	Relation of Proposed Alignment with existing and under construction roads.	Existing means of inter Communication (Mule Path, Jeep etc.)	Items	
Negligible		From north and south with moderate velocity	Nii	Not available	Max 25°C, Min 2°C		Karanprayag/Chamoli	Available within 50-100 Km	Stone mostly	imported from Nepal	Wheat, mandwa, Jhangora, Local Fruits.	Nil	Nii		As per P.W.D. Block S.O.R.	Expected on the alignment	Locally available	Proposed alignment started from nandprayag gnat MR km 15	Mule path and Foot track	Alignment-1	
Naglificia	Nonlinini	From north and south with moderate velocity	Nii	Not available	Max 25°C, Min 2°C		Karanprayag/Chamoli	Available within 50-100 Km	Stone mostly	imported from Nepal	Wheat, mandwa, Jhangora, Local Fluits.	NE N	2		AS per F.VV.D. Block G.G.R.	Expected on the alignment	Locally available	MR km 16	Mule path and Foot track	Alignment-2	







COMPRATIVE STATEMENT OF VARIOUS ALIGNMENTS
Name of Work : Alignment of Nandprayag km 15 to Jakhni Motor Road under PMGSY
Sanctioned Length : 4.325 KM
Scheme

s.no	Items	_ Alignment-1	Alignment-2
74	Drainage characteristics of the area indicating suscentibility to damage	Good natural drainage hence susceptibility to damage in minimum	Good natural drainage hence susceptibility to damage in minimum
15	Length of land slides	Nii	Nii
16	Length of unstable areas	Nii	N
17	Length of heavy snow covering	Nii	Nii
18	Length of marshy and flooded areas	Nii	Ni
19	Length of position with loose rock	Nii	NII
20	Period required for construction	12 month (working season)	12 month (working season)
21	vegetation extent/type	Ordinary bushes / home tree and pine tree	Ordinary bushes and pine tree/ forest tree
22	Politoical Aspect	The area will be connected with block H.Q.	The area will be connected with block H.Q.
23	Village following on or within		
	1 Within 5 km of the alighment	Jakhni, Bizar, Kanda	Jakhni, Bizar, Kanda
24	Important villages, town/ marketing center conn Ghat Nandprayag	Ghat Nandprayag	Ghat Nandprayag
25	Economic & industrial consideration	Normal	Normal
	1 Population served by alignment	Approximate 645 people	Approximate 500 people
	2 Agriculture potential for development of fo Good	Good	Good
	3 Recreational potential	Will increase	Will increase
26	Strategic conditions	Better communication	Better communication
27	Scope of agriculture and horticulture developme Good	Good	Good
28	20	Normal	Normal
	Frospect of development of milior of any other		
:	major development project being taken up in		
67	the O.S. nydro Electric Project	Not Know	NOT PLICA





COMPRATIVE STATEMENT OF VARIOUS ALIGNMENTS Sanctioned Length : 4.325 KM

33	27	32	31		5 N N N	30	s.no	
Order of the superintending engineer	Recommendation of executive engineer	Any other useful information (viz other important project being under taken in the aera required for the completion of work)	Relation of proposed alignment with existing motor road As a branch road		A Marite	Merits & Demerits	Items	
	sanction	crops/ local fruits to market	ad As a branch road	1. Alignment accepted by villagers & elected public representatives of area 2. Alignment is passing through stable area 3. Better road transportation. 4. Working period available whole year except rainy season 5. Less No HP bend Viewing the Served Population from the alignment no demerits are there			Alignment-1	
			As a branch road The farmer will deliver their cash crops/ local fruits to market	1. Alignment accepted by villagers & elected public representatives of area 2. Alignment is passing through stable area 3. Better road transportation. 4. Working period available whole year except rainy season 5. Less No HP bend 6. Road length 4.325 km 7. 1 steel truss bridge 2 cause way 7. 1 steel truss bridge 2 cause way 7. 1 steel truss bridge 2 cause way 8. Forest area to be affected 9.1 Nos HP bend more required 9.1 Nos HP bend more required 9.4 More Road length 9.5 More R.C.C. bridge & More culvent 9.6 More cost of construction required			Alignment-2	

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