

परियोजना का नाम :- जनपद चमोली में पी0एम0जी0एस0वाई0 के अन्तर्गत पोखरी-काण्डई मोटर मार्ग का निर्माण हेतु वनभूमि हस्तान्तरण प्रस्ताव।

Performa for comparison between identified alignments

Sl.No	Variables	Alignment No-1	Alignment No-2
1	Topography	details given in geological report	details given in geological report
2	Length of Road	14.2 km	16.00 km
3	Bridging requirement No. and Length		
	(a) Minor bridge and range of span	Nil	Nil
	(b) Major bridge and length of span	Nil	Nil
	(c) Total number of water ways	Nil	Nil
4	Geometric		
	(a) Alignment	flat at HP bends	flat at HP bends
	(b) Gradients	1:20, 1:22, 1:24 Fall	1:15, 1:18, 1:20 Fall
	(c) Curves, H.P Bends	5 Nos, HP bends	10 Nos, HP bends
5	Existing Means of communication, mule path, jeep, Tracks etc.	Mules are the only means of communication	Mules are the only means of communication
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	Terrain & Soil Condition.		
	(a) geology of the area	soil mixed with E.B.H.S. & V.H.S.	soil mixed with E.B.H.S. & V.H.S.
	(b) Road length passing through		
	(i) Mountainous terrain gross slope from 25 to 60 %	Nil	Nil
	(ii) Cross sections	Nil	Nil
	(iii) Back stretches	Nil	Nil
	(iv) Ares subjected to glaciers and doft.	Nil	Nil
	(vi) Cliffs and gorges.(vii) Drainage characteristics of the area including susceptibility to flooding .(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and descends.(ix) Variations extants and types.		
8.	Climate Condition		
	(a) Temperature Monthly max. & min. reading.	Summers: Max-31C, Min-10C Winters: max-15C, Min- 3C	Summers: Max-31C, Min-10C Winters: max-15C, Min- 3C
	(b) Rainfall data average annual peak intensities monthly distribution (to the extent available) .	Average rainfall 123 cm (during rainy seasons only)	Average rainfall 123 cm (during rainy seasons only)
	(c) Snowfall data average annual peak intensities monthly distribution (to the extent available) .	Nil	Nil
	(d) Wind direction and velocities.	Nil	Nil
	(e) Fog Condition.	Normal	Normal
	(f) Exposure to sun.	100% open to sun	100% open to sun
	(g) Unusual weather condition like cloud burst etc.	Not available	Not available
9.	Facilities resources.		
	(a) Landing ground.	(a) Nil	(a) Nil
	(b) Dropping Zone.	(b) Nil	(b) Nil
	(c) Food stuffs.	(c) Fruits & vegetables are grown in this region	(c) Fruits & vegetables are grown in this region
	(d) Labour local availability and need for import.	(d) Local labour available	(d) Local labour available
	(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved.	(e) Local material available	(e) Local material available

10.	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	Value of the land required for the construction of the road in this alignment is as under- Private land 2.45 Hectare @ Rs.900000.00 per hectare = Rs. 2205000.00 Civil Land. 4.2 Hectare @ Rs.900000.00 per hectare = Rs. 3780000.00 Van panchayat Land 3.15 hectare @ Rs.900000.00 per hectare = Rs. 2835000.00	Value of the land required for the construction of the road in this alignment is as under- Private land 2.92 Hectare @ Rs.900000.00 per hectare = Rs. 2628000.00 Civil Land. 4.70 Hectare @ Rs.900000.00 per hectare = Rs. 4230000.00 Van panchayat Land 3.58 hectare @ Rs.900000.00 per hectare = Rs. 3222000.00
11.	Approximate Const. Cost.	640 lacs.	750 lacs.
12.	Access point indicating possibility of induction of equipment.	Karnprayag/ Rishikesh	Karnprayag/ Rishikesh
13.	Period required for construction.	12 Month (working Season)	12 Month (working Season)
14.	Strategic Consideration.	Better Communication	Better Communication
15.	Important villages, towns and markets centers to be connected.	Pokhari	Pokhari
16.	Recreational potential.	Will increase	Will increase
17.	Economic Factors: (a) Population served by the alignment. (b) Agricultures and economic potential of the area.		
18.	other major development projects being taken up electric projects etc.	Not Know	Not Know
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.	(i) Camping sites to be located along the alignment of the road. (ii) There is no significant law and order problem in the area and the local administration takes care of such matters. (iii) Royalty is paid to the Revenue Department. (iv) Available (v) 12 Months	(i) Camping sites to be located along the alignment of the road. (ii) There is no significant law and order problem in the area and the local administration takes care of such matters. (iii) Royalty is paid to the Revenue Department. (iv) Available (v) 12 Months
20.	Total No. of trees to be removed .	211 Numbers	248 Numbers
21.	Average Density of forest cover .	0.2 (Dense Forest)	0.2 (Dense Forest)
22.	Total No. of Merits	03	01
23.	Total No. of Demerits	0	03

RECOMMENDATIONS:

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

[Signature]

A. Assistant Engineer/J.E.
P.W.D./UA

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पोखरी (चमोली)

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Note - Signature and approval of the concerned DFO is essential.