

ALIGNMENT REPORT

Project:- Construction of Pokhari- Mergaon Motor Road To Kapileshwar.

Variables	Alignment No-1	Alignment No-2
Topography	This road will start from km 10.00 (Hm. 0 -2) of Pokhari-Mergaon Motor Road.	This road will start from km 10.00 (Hm. 8 -10) of Pokhari-Mergaon Motor Road.
Length of Road	10.00km	11.00km
Bridging requirement No. and Length	1 No, 24 mtr Span Steel Girder	1 No, 24 mtr Span Steel Girder
Geometric		
(a) Gradients	1:20, 1:40, 1:24 Level	1:20, 1:40, 1:24 Level
(b) Curves, H.P Bends	5 No. H.P Bend	4 No. H.P Bend
Existing means of communication, mule path, jeep, Tracks etc.	All Villages are Converted by foot- track	All Villages are Converted by foot- track
Right of way, bringing out. construction on account of built up areas, monuments and other structures.	9 mtr Built Up Area	9 mtr Built Up Area
(a) Terrain & Soil Condition.		
(i) Nature of Soil	E.B.H.S. , V.H.S.	E.B.H.S. , V.H.S.
(ii) Geology of the area	Geol;ogical Stable	Geol;ogical Stable
(b) Road length passing through		
(i) Mountain terrain	2.00km	2.00km
(ii) Steep terrain	-	-
(iii) Rocky stretches with indication of length in loose rocky stretches	-	-
(iv) Area Subject to avalanches and snow drift	-	-
(v) Slip prone Area	-	-
(vi) Cliffs and gorges.	Nil	Nil
(vii) Drainage characteristics of the area including supceptibility to flooding .	Area has Good drainage	Area has Good drainage
(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.	max Height 2000 mtr min Height 1719 mtr	Max Height 2000 mtr Min Height 1719 mtr
(x) Variations extants and types.	Van panchayat cheer nap Land Banjar.	Van panchayat cheer nap Land Banjar.

es	Alignment No-1	Alignment No-2
Condition:		
Temperature Monthly max. & min.	30 ⁰ C - 5 ⁰ C	30 ⁰ C - 5 ⁰ C
Soil data average annual rainfall data average annual intensities monthly (to the extent possible).	Not Available	Not Available
Wind direction and velocities.	Not Available	Not Available
Exposure to sun.	Fog occurs in rainy season	Fog occurs in rainy season
Usual weather condition like humidity etc.	No	No
	No	No
Water resources.	-	-
Building ground.	-	-
Settling Zone.		
Land use.	Vegetable and Crops	Vegetable and Crops
Local availability and for import.	Locally and Nepali Labour Available	Locally and Nepali Labour Available
Construction material (Timber, Stone, Sand, Stone, Shingle etc.)	Stone Available with in 4 & 9 km Sand and other Material From Haldwani.	Stone Available with in 5 & 10 km Sand and other Material From Haldwani.
Cost of their availability and lead time.		
Cost of land, agricultural land, forested land, built up land, forest etc.	As per Govt. Rate.	As per Govt. Rate.
Estimated Const. Cost.	523.36	576.70
Point indicating possibility of construction of equipment.	Motiapather	Motiapather
Time required for construction.	2 Year	2 Year
Geographic Consideration.		
Proximity to villages, towns and centers to be connected.	Guthauli, Surseema, busauri and Religious Place Kapileshwar.	Guthauli, Surseema, busauri and Religious Place Kapileshwar.
Additional potential.		
Economic Factors:		
Population served by the project.	884	884
Impact on agriculture and economic condition of the area.	Farmers Can Grow Seasonal Crops, Fruits and improve Economic Condition and Religious Place Kapileshwar will connect from main Motor road.	Farmers Can Grow Seasonal Crops, Fruits and improve Economic Condition and Religious Place Kapileshwar will connect from main Motor road.

No	Variables	Alignment No-1	Alignment No-2
18	other major development projects being taken up electric projects etc.	-	-
19	(i) Misc. Such as camping sites	Condition are Favourable	Condition are Favourable
	(ii) Law and other problem	-	-
	(iii) Royalty	-	-
	(iv) Availability of contractors for collection and carriage of construction material	Contractor Available Locally.	Contractor Available Locally.
	(v) working period available for construction of work.	September To June	September To June
20	Total No. of trees to be Removed	1001	1390
	Total No. of Merits	Short test, Easy Grade Land available and villagers agree.	-
22	Total No. of Demerits	-	All villagers Not agreed with this Alignments

RECOMMENDATIONS:

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

Junior Engineer

Assistant Engineer

Executive Engineer

Alignment No. 1 is ~~Recommended~~ ^{Sanctioned}.

वनक्षेत्राधिकारी
उत्तरी गोला वनक्षेत्र
नैनीताल, वनप्रभाग (नैनीताल)

Superintendent Engineer

समरेश्वर रु ① जो नन्दी मैलाल रांग से
दर्शाया गया है वो ऊँची, खमि के संस्तुति
के आधार पर अनुमोदित किया जाता है।

क. क. मी. पा. क.

प्रवीक्षण अभियन्ता,
प्रत्यक्ष, लोक निर्माण विभाग
बल्लभोदा