

15/2.4
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Alignment

Name of work-Alignment of MELGAON-FAARAKHOLI-MALLI MAYOLI Motor

Road. In Distt. Almora

Sanctioned Length= 4.00Km .

Sl. No.	Particular	Alignment No-1	Alignment No-2
1	Topography	Start from DANYA -AARA-SALPHAR Motor road in Km 12 Hec 0-2	Star from DANYA-AARA-SALPHAR Motor road in Km 12 Hec 0-2
2	Length of Road	4.00Km.	4.00Km.
3	Bridging requirement No. and Length	NIL	NIL
4	Geometric	Nap Land , Benap, Forest Land	Nap Land , Benap, Forest Land
	(a) Gradients	1:24F 1:22F 1:40F 1:20F 1:20R & Level	1:24R 1:40F 1:20F 1:20R & Level
	(b) Curves, H.P. Bends	5No. H.P. Bends	8No. H.P. Bends
5	Existing means of communication, mule path, jeep, Tracks etc.	villages are connected by foot track.	villages are connected by foot track.
6	Right of way, bringing out. Construction on account of built up areas, monuments and other structures	No such construction involved	Same as alignment no. 1
7	(a) Terrain & soil condition (i) Nature of soil (ii) Geology of the area (b) Road length passing through (i) Mountainous terrain (ii) Steep terrain iii) Rocky stretches with indication of length in loose rocky stretches (iv) Area subject to avlanches and snow drift (v) Slip Zone Area	E.&B., H.S., V.H.S., , cultivated and Hill area Approx.80% Approx.20% Approx 2.00 km. rocky portion & 2.00 km. ordinary rocks. Nil Nil	E.&B., H.S., V.H.S., , cultivated and Hill area Approx.80% Approx.20% Approx 2.50km.rocky portion & 1.50km. ordinary rocks. Nil Nil
	(vi) Cliffs and gorges (vii) Drainage characteristics of the area including supceptibility to flooding	Nil Area has good drainges	Nil Area has not good drainges

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 conditions like cloud burst etc.	Approx.30°C to 1°C Not available Mostly winter season Record not available Not available Often in rainy season Almost in all the year Nil	Approx.30°C to 1°C Not available Record not available Not available Often in rainy season Almost in all the year Nil
9	Facilities resources (a) Landing ground (b) Dropping Zone (c) Food stuffs (d) Labour local availability and need for import (e) Construction material (Timber, Bamboo, Sand, stone, shingle etc. extent of their availability and lead involved)	Not available Not available Crops, vegetables, fruits, Milk production area Local & Nepali labour also available Stone locally available & other material available App. 135 km away at Haldwani.	Not available Not available Crops, vegetables, fruits, Milk production area Local & Nepali labour also available Same as alignment no.1
10	Value of land, agricultural land, Irrigated land, built up land, forest land etc.	As per current Government rate	As per current Government rate
11	Approximate Const. Cost	Total cost Rs 186.40.00 lacs	Total cost Rs 186.40 lacs
12	Access point indicating possibility of induction of equipment	At present access not available	Same as alignment No.1
13	Period required for construction	2 years after land transfer	Same as alignment No.1
14	Strategic Consideration	To provide better communication	Same as alignment No.1
15	Important villages, towns and markets centers to be connected	Villages – MELGAON, FARAKHOLI, M ALLI MAYOLI will be	Same as alignment No.1

17	Economic Factors: (a) Population served by the alignment	Appx.1200	Appx.1200
	(b) Agricultures and economic potential of the area	Population of above village will be benefited good.	Same as alignment No.1
18	Other major development projects being taken up electric projects etc.	Nil	Nil
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	Nil Nil Nil Local contractor are available for the work. Approximately 9 months a year working period available	Nil Nil Nil Local contractor are available for the work. Same as alignment No.1
20	Merits	1-Easy grades involved. 2-Min. Forest Land, affected from this alignment. 3- 8 No. H.P. band	Nil
21	Demerits	Nil	1-More cost involved in this alignment. 2-Max. Nap, Banger land affected from this alignment. 3- 8 No. H.P. band

RECOMMENDATIONS:

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

[Signature]
Junior Engineer
C.D., P.W.D.
Almora

[Signature]
Assistant Engineer
C.D., P.W.D.,
Almora

[Signature]
Executive Engineer
C.D., P.W.D.
Almora

Alignment No (1) marked red colour approved as per recommendation of EE.

[Signature]
19.11.14.
अधीक्षक अभियन्ता,
अवध वृत्त, लोक निर्माण विभाग
अ.प्र. रायबरेली