



Addistional Attachment-2.4

कार्य का नाम: जनपद नैनीताल के विधानसभा क्षेत्र नैनीताल के विकास खण्ड रामगढ़ के अन्तर्गत लक्ष्मीखान-नथुवाखान-प्यूड़ा-क्वारब मोटर मार्ग के कि०मी० 11 में नावली नामक स्थान लोशजानी तक सम्पर्क मार्ग का निर्माण कार्य (प्रथम चरण) (लम्बाई 5.00 कि०मी०)

Sl. No.	Item	Proposed Alignment No.-1	Proposed Alignment No.-2
1.	Topography of Area. Main feature and description of Proposed alignment	This alignment shall be started from Km.11 of LAKSHMI KHAN TALLA RAMGARH NATHUWAKHAN PURA QUARAB MOTOR ROAD	This alignment shall be started from Km.12 of LAKSHMI KHAN TALLA RAMGARH NATHUWAKHAN PURA QUARAB MOTOR ROAD
2.	Length of Proposed Alignment	5.00 Km.	7.00 Km.
3.	Geometric of Alignment		
a)	Gradient in different stages of alignment	1:20	1:18, 1:14
b)	No. of H.P. Bends.	8No.	11No.
4.	Terrain and Soil conditions:		
a)	Geology of area	E & B and Hard shale, very hard shale	E & B and Hard shale, very hard shale
b)	Road length passing through mountainous terrain		
i)	Cross slope	30° to 50°	27° to 55°
ii)	steep terrain	Nil	Nil
iii)	Rocky stretches with including of length in loose rock	Nil	Nil
iv)	Area subject to land slide and snow areas.	Nil	Nil
	Nature of Soil		
	Length of reaches with medium rocks or shales	Nil	Nil
	Length of reaches with earth and boulders	All types of reaches mixed along the alignment	All types of reaches mixed along the alignment
	Length of reaches with hard rocks or shales		
	Length of reaches with very hard rocks or shales		
e)	Length of reaches with Homo rocks.	Nil	Nil
6.	Requirement of Bridges		
i)	Requirement of minor Bridges	Nil	Nil
ii)	Requirement of major Bridges.	Nil	Nil
a)	General elevation of the road including max and minimum heights negotiated by main ascents and descents.	1 No. up	1 No. Up.
b)	Total Nos. of ascents and descents	Position of alignment as per L- Section attached	Position of alignment as per L- Section attached
c)	No. of cliffs and Georges	Nil	Nil
Sl. No.	Item	Proposed Alignment Report	Proposed Alignment Report

J.C

सहायक अभियन्ता
नमोण खण्ड, लो० नि० विभाग
नैनीताल.

नमोण खण्ड, लो० नि० विभाग
नैनीताल.

8.	a) Height of way-bringing-out construction on accounts build up area and other structures. b) Approximate area and value i) Cultivated land ii) irrigated land iii) un irrigated land iv) Forest land (Reserve forest land)	Nil 30% 30% 40% -	Nil 40% Nil 60% Nil
9.	a) Existing means of inner communication b) Relation of proposed alignment with existing road	Village path Proposed alignment starts from Km. 11 of LAKSHMI KHAN TALLA RAMGARH NATHUWAKHAN PURA QUARAB MOTOR ROAD Local Quarry Local Quarry	Village path Proposed alignment starts from Km. 12 of LAKSHMI KHAN TALLA RAMGARH NATHUWAKHAN PURA QUARAB MOTOR ROAD Local Quarry Local Quarry
10.	a) Abilities of road constt. material b) Local Quarries c) d) Carriage. land	 By Mule and motor road	 By Mule and motor road
11.	Facilities/Resources a) Landing grounds b) Dropping zone c) Food Stuffs d) Local Labour availability and need of import e) constt. material Timber availability and need or import	Nil Nil Local food grains vegetables and fruit etc. Labour Locally available. Locally available but sand and cement etc. from Haldwani and Kathgodam. Haldwani.	Nil Nil Local food grains vegetables and fruit etc. Labour Locally available. Locally available but sand and cement etc. from Haldwani and Kathgodam. Haldwani.
12.	Access point indicating possibilities of induction of equipments.		
13.	Climate conditions: a) Temperature, Monthly max and minimum readings b) Rainfall data average, annual and peak. c) Length of road occurred by snow and period d) wind direction and velocity e) Fog condition f) Exposer of sun g) Drain Characteristic of the area including susceptibility.	Not available but approximate Maximum 28 ⁰ Min. 6 ⁰ Average Rainfall 700mm. 1 Km., 10 days of winter. N.A. Nil Partially sunny face and partially shady portion. Damage may be in rainy season	Not available but approximate Maximum 28 ⁰ Min. 6 ⁰ Average Rainfall 700MM 1 Km., 10 days of winter. N.A. Nil Partially sunny face and partially shady portion. Damage may be in rainy season
Sl. No.	Item	Proposed Alignment Report	Proposed Alignment Report
14.	Length of land slide	Nil	Nil
15.	Length of unstable area	Nil	Nil
16.	Length of heavy Raining	Nil	Nil

Additional Attachment-2.4

17.	Length of marshy flood area	Nil	Nil
18.	Length of portions with loose rocks	Nil	NIL
19.	Period required for construction	12 Month	9 Months
20.	Vegetable extend type	Normal Vegetation grown in this area	Normal Vegetation grown in this area
21.	Political aspects. a) Villages falling within 1 Km. b) Important villages connects	1 No's LOSHGYANI	1 No's LOSHGYANI
22.	State consideration	Nil	Nil
23.	Economical and industrial consideration population served by the alignment	Nil	Nil
24.	Recreational potential and potarital for development of Tourism.	Yes	Yes
25.	Scope for agriculture and horticulture development	Yes	Yes
26.	Extend of forest width	Nil	Nil
27.	Proposed of development of minor or any major development projects being taken up in the Hydrolic projects .	Nil	Nil
28.	Approximate cost of the alignment	72.50LAC	80.00LAC
29.	Merits and demerits a) Merits b) Demerits	Easy grade better stability Shorter length, and connectivity etc. Nil	Nil High grade and loose rocks 11 H.P bends longer length & more cost etc.
30.	Any other useful information	Local public is in favor of this alignment	Local public and villagers are not favor of this alignment
31.	Recommendation by E.E C.D.PWD Naintital.	Considering all the merits and demerits practical aspects of the work and site alignment shown with red color in the attached alignment plan seem to the most suitable and is there fore alignment recommended for the favour for approval.	Considering all the merits and demerits practical aspects of the work and site alignment shown with green color in the attached alignment plan seen to the not suitable and is there fore alignment is not recommended for the favour for approval.

11/1
J.C

Deon
सहायक अभियन्ता
निर्माण खण्ड, लो.नि. विभाग
नैनीताल.

[Signature]
अधीक्षक अभियन्ता
निर्माण खण्ड, लो.नि. विभाग
नैनीताल.