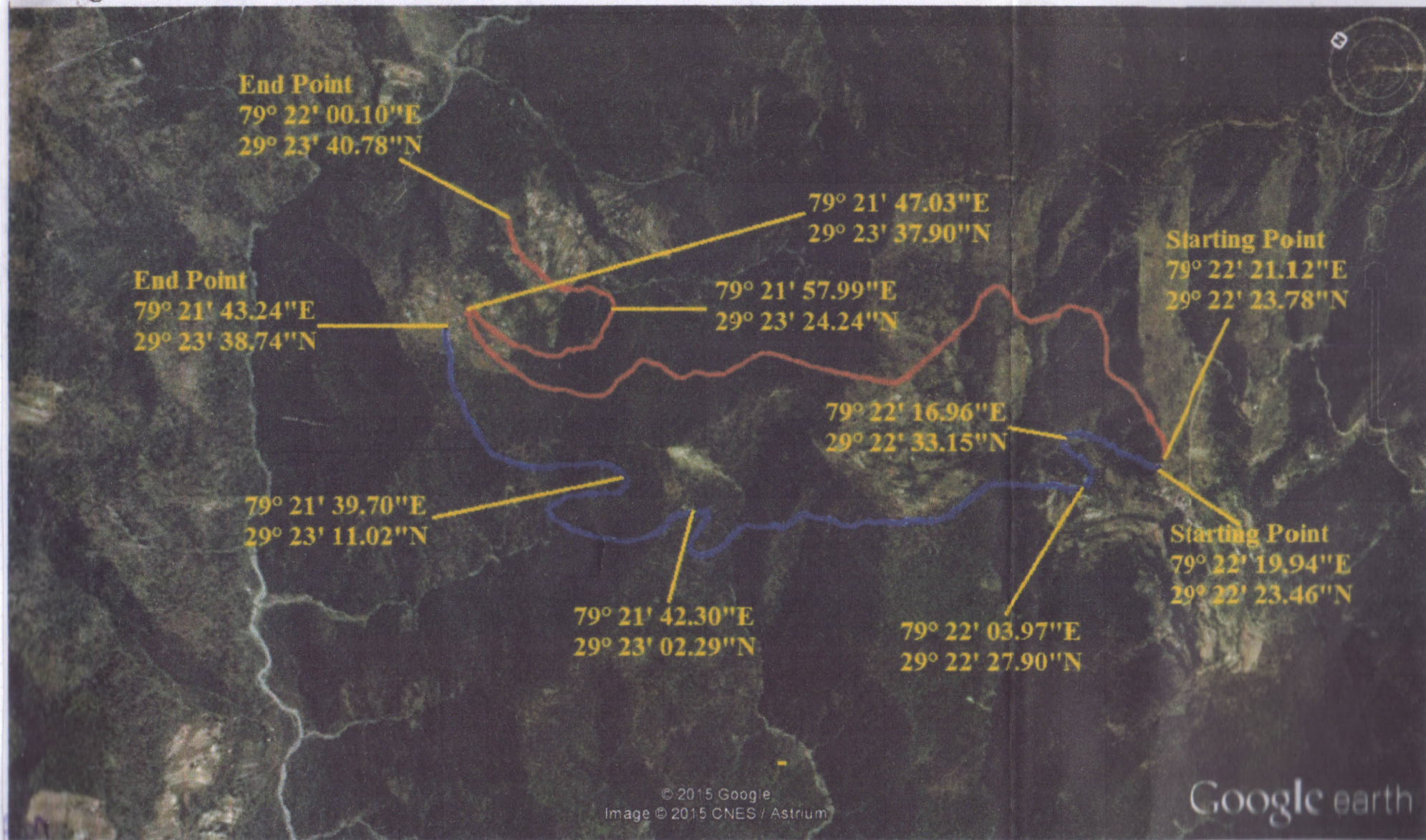


52

Name Of Project:-C/O Road From Nainital Kaladhungi Motor Road To Mangoli-Khamari-Thapla-Jalalgaown-Dechori. Under State Sector.



Legend
Proposed
Alternative



Proposed
J-E

Assistant Engineer
Provincial Division, P.W.D.
NAINITAL

Executive Engineer
Provincial Division, P.W.D.
NAINITAL

सप प्रभागेय वनाधिकारी (ने०)
नैनीताल वन प्रभाग, नैनीताल

नैनीताल वन प्रभाग, नैनीताल

COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT OF HILL ROADS

of Work :- Construction of Mangjoli^{Kharan} Thapla Jalalgaon Decheri meter road (7.00 Km)

Item	Alignment I	Alignment II
Detail of route wise topography of the area. Main features and description of the alignment	The Alignment start from Km 9.300 of Mangjoli Thapla Jalalgaon meter road.	The Alignment start from Km 9.300 of Mangjoli Thapla Jalalgaon meter Road.
Length of alignment from start to termination	7.00 Km	7.00 Km
Gradient in different structure of Alignment	Km 01 - level, 1:24 fall, Km 02 - 1:24 Rise, Km 03 - Level, 1:24 fall, Km 04 - 1:24 fall, Km 05 - 1:22, 1:20 fall, Km 06 - 1:22 fall, Km 07 - level, 1:24 fall	Km 01 to Km 07 Fall 1:20
Curved hair pin bends etc	2 Nos H.P. Band.	5 Nos H.P. Band.
rain and side condition	Soil mixed with E&B 20%, H.S. 40%, VHS 40%	Soil mixed with 20% E&B, 80% VHS
Geology of the area		
Road length passing through	4 Km	2 Km
mountainous terrain gross slope from 25 to 60%	3 Km	5 Km
cross structures	NIL	NIL
Back stretches	NIL	NIL
Area subjected to glaciers and drift		
type of soil		
Length of reaches with earth and boulders	4 Km (40% E&B, 40% H.S., 20% VHS)	2 Km (70% E&B, 30% VHS)
Length of reaches with medium sale		
Length of reaches with hard sale	3 Km (20% E&B, 20% H.S., 60% VHS)	5 Km (70% VHS, 30% E&B)
Length of VHR/VHS		
Length of extra HR		
requirements		
or bridge and range of span	NIL	1 No (6 cum span)
or bridge and length of span	NIL	1 No (10 cum span)
Number of water ways	3 Nos	
Vertical gradients of the road including minimum and		
maximum length negotiated by means of deserts or asserts	NIL	NIL
no of asserts and deserts	NIL	NIL

Value of land		
(a) Agricultural land	NIL	NIL
(b) Irrigation land	NIL	NIL
(c) Built up land	NIL	NIL
(d) Forest land	Forest land	Forest land
(a) Existing means of inter communication mule path, jeeps, truck etc.	NIL	NIL
(b) Relation of proposed alignment with the existing under construction road	New Alignment	New Alignment
(a) Availability of road construction material	Local stone available as various points	Local stone available as various point
(b) Location of quarries	NIL	NIL
Facilities / resources	-	-
(a) Landing group	-	-
(b) Dropping zones	-	-
(c) Food stuff	-	-
(d) Labours - local availability and need for import	Available	Available
(e) Construction material such as timber, bamboo, sand, stone, shingle etc. there availability and leads involved	NIL	NIL
2 Climate conditions		
(a) Temperature monthly max. and min. reading	20°C and 15°C	28°C and 15°C
(b) Rainfall data - Av. annual, peaks intensives monthly distribution (to be extent availability 1/4)	East to west with Normal velocity During rainy season only	East to west with Normal velocity During rainy season only
(c) wind direction and velocity	70% open to sun	70% open to sun.
(d) Foggy conditions		
(e) Exposure to sun		
3 Drainage characteristics of the area including susceptibility to flooding		
(a) Length of land slide	NIL	NIL
(b) Length of unstable area	NIL	NIL
(c) Length of marshy and flooded area	NIL	NIL
(e) Length of heavy quarries	NIL	NIL
(f) Length of portion with loose rocks	NIL	NIL
(g) Period required for construction	3 Years maximum	3 Years maximum
(h) Vegetation extent and type	Forest land	Forest land

4	Political aspect (a) Village falling on or within 1 Km. of alignment (b) Village falling on or within 1 to 2 Km. of alignment (c) Village falling on or within 2 to 3 Km. of alignment (d) Important village, town, marketing center, (e) Stretches in condition (f) Economic and industrial consideration and population served by the alignment. (g) Recreational potential and possibility of development of tourism	Km 1, Jalalgaon Km 2, Khudalga Km 5, 6, 7 Rankhad, Amultaru Khadhungi, Nawatal. - NIL Yes	Km 1, Jalalgaon Km 2, Khudalga Forest NIL Yes
5	Scope of agriculture and horticulture development	Forest land	Forest land
6	Extent of forest wealth	fine	fine
7	Prospects of development of minor or another major development projects being taken up in future Hydral	NIL	NIL
8	Approximate cost of construction of each alignment	Rs 245.00 lac for 7.00 Km	Rs 245.00 for 7.00 Km


Merits and Demerits

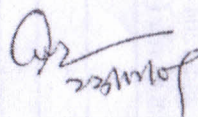
- Merits प्रथम समीक्षण जो कि मानचित्र में लाल रंग से दर्शाया गया है। इस समीक्षण में नए भूमि तथा वन भूमि पैदेगी तथा जमीन वृद्धि का पता लगाना तथा इस समीक्षण से खुदलिया, रोखड, अमलगाँव ग्राम जुड़ेंगे तथा ग्राम वासीयों को सीधा लाभ पहुँचेगा।
- Demerits Any other useful information with other important projects being undertaken in area required for completion of work

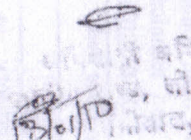
Recommendation of E.E.

प्रथम समीक्षण जो कि मानचित्र में लाल रंग से दर्शाया गया है जो स्वीकृत करने की ससुती की जाती है।

Order of S.E.


S.E.


S.E.


S.E.