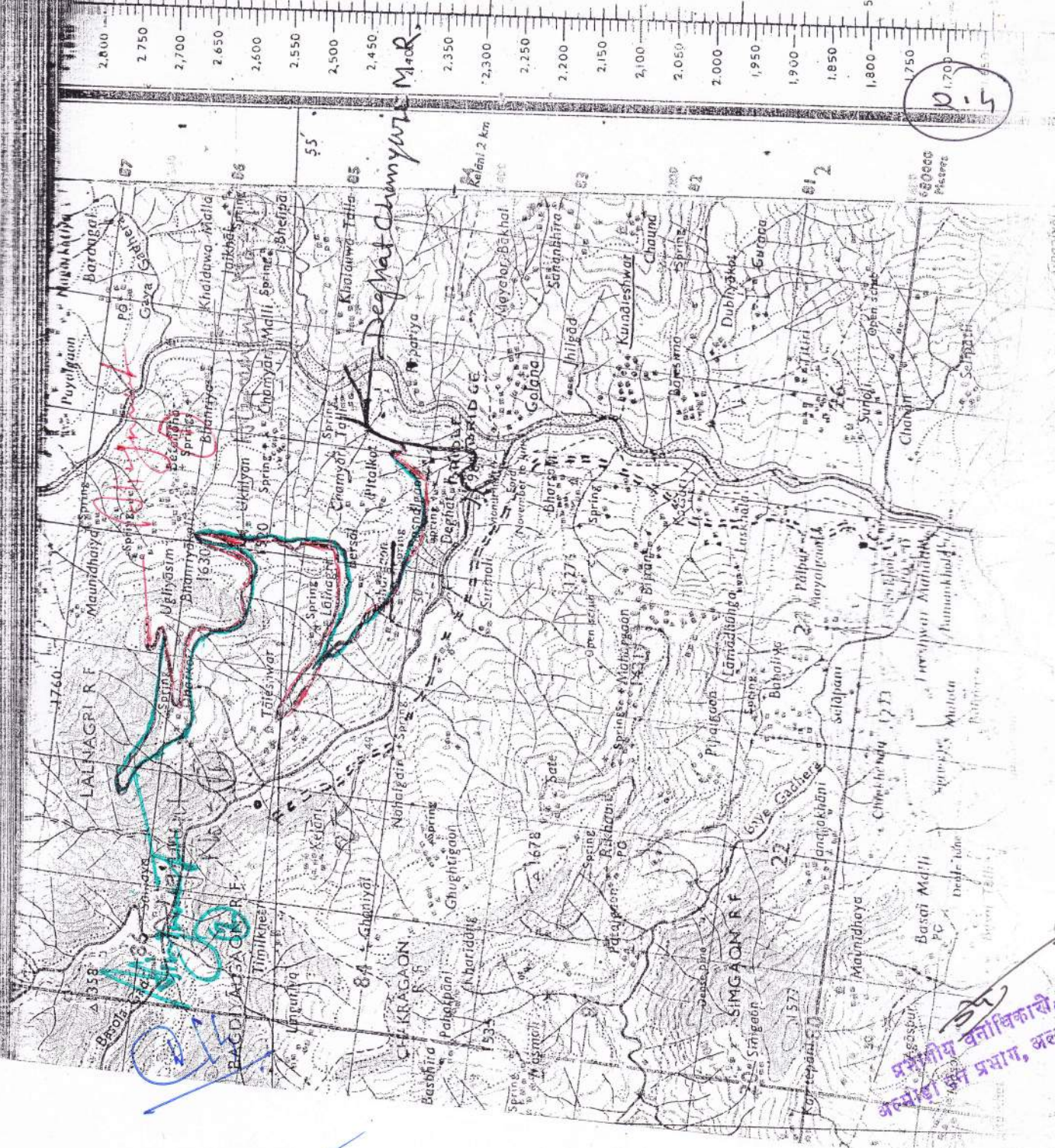




जिलाधिकारी स्याल्द
जिला अल्मोड़ा (उत्तराखण्ड)



१०/१०

Deghat Chamyari M/R

Alignment ①

Alignment ②

जिलाधिकारी स्याल्द
जिला अल्मोड़ा (उत्तराखण्ड)

जिलाधिकारी स्याल्द
जिला अल्मोड़ा

वन क्षेत्र अधिकारी,
जोरासी रेंज
अल्मोड़ा वन प्रभाग

जिला अधिकारी
अल्मोड़ा.

24-13

COMPARATIVE STATEMENT OF VARIOUS ALIGNMENT

Name of Work : Construction of Deghat - Lainagari Motor Road. (13.625 km.)

Sl. No.	ITEM	ALIGNMENT MARKED	
		1 (Red)	2 (Green)
	Details of routes, vis-a-vis, topography of the area		
1.	Main feature and description of Alignment	As per attached sheet and L-Section.	As per attached sheet and L-Section.
2.	Length of the alignment from starting point to terminal point.	13.625	13.825 Km
3.	Geometric		
A.	Gradient in different stretches of the alignment.	As per L-section	As per L-section
B.	Curve and hair pin bend	5 No.	7 No.
4.			
A.	Terrain and soil condition		
1.	Geology of road.	E&B / H.S. / V.H.S	E&B / H.S. / V.H.S
B.	Road length passing through.		
1.	Mountainous terrain cross slope from 25 to 60.	13.625	13.825 Km
2.	Steep terrain cross slope greater than 60	Nil	Nil
3.	Rocky stretches with indication in length in loose.	Nil	Nil
4.	Area to subject to avalanches and snow drifts	Nil.	Nil
5.	Nature of Soil		
A.	Length of reaches with earth and boulder	9.000 km.	7.500 Km
B.	Length of reaches with hard rock/shale	3.200 Km	2.900 Km
C.	Length of reaches with medium rock/shale	1.400 Km	3.850 Km
D.	Length of reaches with VHR/VHS	---	---
6.	Bridge requirement		
A.	Minor bridge		
i.	Total number	4 Nos	3 Nos
ii.	Range of span	7 mtr - 15 mtr	7 mtr - 15 mtr
iii.	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents.	L-Section attached	L-Section attached

24

SI. No.	ITEM	ALIGNMENT MARKED		ALIGNMENT MARKED	
		1 (Red)	2 (Green)	1 (Red)	2 (Green)
iv.	Total number of ascents and descents.	L-Section attached	L-Section attached	6 Nos	5 Nos
v.	Total water way				
B.	Major bridge				
i.	Total number	Nil	1 no.		
ii.	Range of span	Nil	25 Mtr		
iii.	Total water way	Nil	1 no.		
iv.	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents.	Nil	L-Section attached		
v.	Total number of ascents and descents.	Nil	L-Section attached		
vi.	Length of cliffs and gorges	Nil	Nil		
7.	Right of way bringing out construction				
	Approximate area and value.				
i.	Cultivated	5.046 Hac.	5.211 Hac.		
ii.	Irrigated	Nil	Nil		
iii.	Unirrigated	2.448 Hac.	2.393 Hac		
B.	Relation of proposed alignment with existing and under construction road.	Proposed alignment will cross the existing mule path & foot tracks at some places	Proposed alignment will cross the existing mule path & foot tracks at some places		
9.A.	Availability of road construction material.	Negligible quantity of Stone for R/wall in some stretches available	Negligible quantity of Stone for R/wall in some stretches available		
B.	Location of quarries.	-	-		
C.	Average needs.	-	-		
10.	Facilities/Resources				
a.	Landing ground	-	-		
b.	Dropping zone	-	-		
c.	Food stuffs	-	-		
d.	Labour locally available or need of import	80% out side as nepali & 20% local	80% out side as nepali & 20% local		
e.	Construction material, timber, bamboo, sand stone, shingle, grits etc. extent of their availability & lead involved	Stone will be available locally & rest will have to be carted from Ramnagar etc.	Stone will be available locally & rest will have to be carted from Ramnagar etc.		

Sl. No.	ITEM	ALIGNMENT MARKED	
		1 (Red)	2 (Green)
11.	Access point indication possibility of equipment	Deghat, Bhikyasain, Ramnagar	Deghat, Bhikyasain, Ramnagar
12.	Climate condition		
A.	Temperature maximum & minimum	35° C ± 10° C	35° C ± 10° C
B.	Rainfall data average annual peak intensities, monthly distribution to the extent available	Not available	Not available
C.	Length of road covered snow, average and period		
D.	Wind direction and velocity	E/W direction	E/W direction
E.	Fog conditions	In rainy season	In rainy season
F.	Exposure to sun	Almost full day	Almost full day
13.	Drainage characteristics of the area indicating susceptibility to damage.	Drainage is fair	Drainage is fair
14.	Length of land slides.	Nil	Nil
15.	Length of unstable area.	Nil	Nil
16.	Length of heavy snow clearing.	Nil	Nil
17.	Length of Marshy & flooded areas.	Nil	Nil
18.	Length of positions with loose rocks.	Nil	Nil
19.	Period required for construction.	1 Year	1 Year
20.	Vegetation extent/Type.	Covered with local bushes & pine trees	Covered with local bushes & pine trees
21.	Critical Expect		
A.	Village following on or within.		
i.	1 km of the alignment	Chamyari	Chamyari
ii.	1 km to 14 km of the alignment	Basanal goun, Bohara goun, Taleshwar, lalnagari	Basanal goun, Bohara goun, Taleshwar, lalnagari
22.	Important village, town/marketing center connected.	Deghat, Bhikyasain, Ramnagar.	Deghat, Bhikyasain, Ramnagar.
23.	Economics & Industrial consideration :		
i.	Population served by alignment.	1500 Approximately	1500 Approximately

Sl. No.	ITEM	ALIGNMENT MARKED	
		1 (Red)	2 (Green)
ii.	Agricultural, potential for development of forest.	Agricultural development will increased.	Agricultural development will increased.
24.	Scope of agriculture and horticulture development.	Wide scope	Wide scope
25.	Extent of forest wealth.	No major forest involved	No major forest involved
26.	Prospects of development of minor or any other major project being taken up in the O.S. Hydro Electrical Project.	Nil	Nil
27.	Approximate cost of construction.	Rs. 480.00Lacs	Rs.510.00 Lacs
28.	Merits and Demerits		
A.	Merits	1. Shortest road length which is covering maximum population. 2. Safe side for construction 3. Less forest involved. 4. Comfortable gradient 5. Technically good 6. Choice of majority of local public	1. Starting point near market 2. Choice of minority of local public
B.	Demerits		1. Lesser interest of local public 2. Disputed land involved 3. Chronic ^{long} jone / long alignm ^t . 4. Comparitively stiff gradient 5. A major bridge of 25 mtr span involved.
29.	Any other useful information (Viz other important projects being undertaken in the area required for completion of the work.	Nil	Nil
30.	Recommendation of the Executive Engineer.	This alignment is most suitable technically as well as economically as per requirement of local public. Hence recommended for sanction.	Alignment is not suitable as compared to alignment No. 1
31.	Order of the Superintending Engineer with reason.		

क्षेत्र अधिकारी,
जौरासी रेंज
अट - बल, प्रभाद



2/2

प्रमाण-पत्र

परियोजना का नाम:- जनपद अल्मोड़ा के विकास खण्ड स्यालदे में प्रधानमंत्री ग्राम सड़क योजना के फेज-8 के अन्तर्गत देघाट से लालनगरी मोटर मार्ग का नव निर्माण।
लम्बाई :- 13.650 कि०मी०

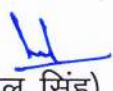
1. प्रथम संरेखण	2. द्वितीय संरेखण
न्यूनतम वृक्ष प्रभावित हो रहे हैं तथा ग्रामवासियों की माँग इसी समरेखन पर ही की जा रही है।	अधिक वृक्ष प्रभावित हो रहे हैं तथा बाँज के घने वृक्ष भी प्रभावित हो रहे हैं ग्रामवासियों को इस समरेखन पर आपत्ति की जा रही है।


(नवीन चन्द्र टम्टा)

अपर सहायक अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)


(प्रहलाद राम टम्टा)

सहायक अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)


(चन्द्रपाल सिंह)

अधिशाली अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)

वैकल्पिक समरेखणों को निरस्त किये जाने का प्रमाण-पत्र।

परियोजना का नाम:- जनपद अल्मोड़ा के विकास खण्ड स्यालदे में प्रधानमंत्री ग्राम सड़क योजना के फेज-8 के अन्तर्गत देघाट से लालनगरी मोटर मार्ग का नव निर्माण।
लम्बाई :- 13.650 कि०मी०

प्रस्तावित परियोजना हेतु 2 समरेखणों पर विचार किया गया। समरेखण संख्या-2 को लो०नि०वि० की तकनीकी विशिष्टियों के अनुरूप न पाए जाने व अत्यधिक हेयरपिन बैंड व चट्टाने आने के कारण निरस्त किया गया। इस लिये समरेखण-1 स्वीकृत।

(नवीन चन्द्र टम्टा)
अपर सहायक अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)

(प्रहलाद राम टम्टा)
सहायक अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)

(चन्द्रपाल सिंह)
अधिशाली अभियन्ता
निर्माण खण्ड लो०नि०वि०
सल्ट (अल्मोड़ा)

प्रमाणित
अधीक्षक