

वैकल्पिक समरेखणों को निरस्त किये जाने का प्रमाण-पत्र।

परियोजना का नाम:- जनपद अल्मोड़ा में सरपटा-चनुली-कोटा-बासोट मोटर मार्ग का नव
निर्माण (०.५३७ हे०)
लम्बाई :- ८.५० कि०मी०।

प्रस्तावित परियोजना हेतु २ समरेखणों पर विचार किया गया। समरेखण संख्या-२ को लो०नि०वि० की तकनीकी विशिष्टियों के अनुरूप न पाए जाने व अत्यधिक हेयरपिन बैण्ड व चट्टाने आने के कारण निरस्त किया गया। इस लिये समरेखण-१ स्वीकृत हुआ है।

(Signature)

(Signature)

(Signature)

(डी.एस.जरमाल)
कनिष्ठ अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
रानीखेत (अल्मोड़ा)

(Signature)

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प्रमाणित व दस्तावेजकारी
अल्मोड़ा नव प्रमाण अल्मोड़ा

2.4 A

Comparative statement of various Alignments

Name of work : Construction of Sarpata -Chanuli- Kota -Basot motor road

S.N.	Description of item	Alignment no.(1) marked with RED colour Starting onwards KM.2.00 of Kametpani -Manuli - Sarpata motor road	Alignment no.(2) marked with GREEN colour Starting onwards KM.2.00 of Kametpani -Manuli - Sarpata motor road
1	Main featur of alignment		
2	Length of road from starting to terminal point	8.50 Km	9.00 Km
3	Geomatrics		
a	Gradient in different stretches of the road	1:22, 1:24, 1:20, 1:60, & level.	1:22, 1:24, 1:20, 1:60, & level.
b	Curves	As per IRC	As per IRC
c	Hair pin bends Nos.	1	4
4	Terrian & soil conditions	Hilly area consisting :	
a	Geology of the area	E&B/H.S./V.H.S./H.R./V.H.R./B.L.B.	E&B/H.S./V.H.S./H.R./V.H.R./B.L.B.
b	Road length passing through		
i	Mountainous terrian (cross slop 25% to 60%)	8.5 Km.	8.5 Km.
ii	Steep terrain (cross slop more than 60%)	Nill	Nill
iii	Stretches with indications of loos rock conditions	Nill	Nill
iv	Area subjected to avalanches or snow fall	Nill	Nill
5	Nature of soil		
a	Length of reaches with earth &boulders	30%	30%
b	Length of reaches with hard rock /hard shale	40%	40%
	Length of reaches with medium rock/medium shale	20%	20%
	Length of reaches with VRSVHS.	10%	10%
6	Requiment of bridges/culverts/scuppers		
a	Major bridge		
i	Total Nos.	....	....
ii	Rang of span	....	....
iii	Total water ways	....	....
b	Minor bridge	....	....
i	Total Nos.	....	....
ii	Rang of span	....	....
iii	Total water ways	....	....
7	Genral elevation of road indicating maximum &mininum hights by means ascent &descent	L- section attached	L- section attached
a	Total nountbers of ascent &descents	Reguler ascents	Reguler ascents

2.4 B

b	Length of cliffs & gorges..	Nil	
8.a.	Right of way bringing out constraints on account of built up area monuments & other structures.	None	
b	Approximate area		
i	cultivated	3.00Km	
ii	Irrigated	...	
iii	Unirrigated	....
9.a.	Existing means of intercommunication, (mulepath, jeep, truck etc.)	Village foot tracks ,mule path.	Village foot tracks ,mule path.
b	Availability of road construction materials.		
i	Location of quarry.		
	Sand	Local , Ramnager	Local , Ramnager
	Stone	Available nearby local	Available nearby local
ii	Lead		
	Sand	12.00 km. by mule & from Ramnager 74.00 Km .by motor road and 4.25 Km. by mule	12.00 km. by mule & from Ramnager 74.00 Km .by motor road and 4.25 Km. by mule
	Stone	1.00 by mule /head load.	
10	Facility/Resources.		
a	Landing ground	None	None
b	Dropping zone	None	None
c	Food stuff.	None	None
d	Labour: local availability & need of import.	few local labour ,rest from out side.	few local labour ,rest from out side.
e	Construction materials , timber, bamboo, sand, stone, shingle etc availability & lead involved	As above	As above
11	Access points indicating possibility of equipments.		
12	Climatic conditions		
a	Temperature, maximum/minimum.	35-5 (degree centigrade)	35-5 (degree centigrade)
b	Rainfall average, annual ,peak intensity, monthly description to the extent possible.	Data not available	Data not available
c	Length of road covered by snow (average & peak).	Nil	Nil
d	Wind direction.	N.A.	N.A.
e	Fog condition.	During rainy season	During rainy season
f	Exposure to sun.	3/4 th day	3/4 th day
13	Drainage characteristic of the area indicating susceptibility of damage	Storm water drains through natural slopes.	Storm water drains through natural slopes.
14	Length of land slides	Nil	Nil
15	Length of heavy clouding.	Nil	Nil

16	Length of marshy or flooded area.		
17	Length of portions with loose rock.	Nil	Nil
18	Period required for construction.	Nil	Nil
19	Vegetation extent type.	2 years	2 years
20	Political aspects (villages falling within, population)	Pine tree, local	Pine tree, local
a	1st km. of the alignments.		
b	1 to 5 km. of alignments.	As per L- section attached	As per L- section attached
21	Important villages, towns & marketing centers connected.	..... Dito.....	..... Dito.....
22	Strategic considerations.	Sarpata, Chanuli, Kota, Basot	Sarpata, Chanuli, Kota, Basot
23	Economical & industrial considerations.	Crops, Vegetable, Fruit etc.	Crops, Vegetable, Fruit etc.
24	Population served by the alignments.	Farm/ hortico produce.	Farm/ hortico produce.
a	Recreation potential for developments.		
25	Scope of agricultural & horticultural developments.	None	None
26	Extent of forest wealth.	Scope in plenty	Scope in plenty
27	Prospects of development of minor or any other major development projects bearing taken in the O.S. hydro electrical project.	Good forest wealth exists.	Good forest wealth exists.
28	Approximate cost of each alignment	None	None
29	Marris	8.5x35.00=Rs.297.00 Lacs. (As per C.E.'s letter No.1707/10 Adhi. pra./07 dated 29 Dec. 2007)	9.00x35.00=Rs.315.00 Lacs. (As per C.E.'s letter No.1707/10 Adhi. pra./07 dated 29 Dec. 2007)
	(i)		
	(ii)	Less harm to forest.	Less harm to forest.
	(iii)	clooser to villages	clooser to villages
	(iv)	Easy construction	Easy construction
	Demaris (i)	Strong recommendation by villagers & general people are in favour of this alignment	.....
		During construction damage some property, forest land, & vegetation.	During construction damage some property, forest land, & vegetation. (Comparatively more H.P. bends.)
29	Any other Important information (i.e. other important projects bearing undertaken in the area, required for completion of the work.	.....	.....
	Recommendation of executive engineer:	The alignment No.(1) marked Red is recommended for construction in view of above facts.	The alignment No.(2) is not suitable as compared to alignment No. 1.

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राजीवराज

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राजीवराज, लोनिविभाग
राजीवराज [अलमोड़ा]