

23
उत्तराखण्ड योजना के पत्रांक 8225/861 सी-8/2016 दिनांक 18-11-2016 ई.
संश्लेषण प्रस्ताव अनुमोदित, —

प्रा.सं. 13

ALIGNMENT



Govt. of Uttarakhand

Scheme : State Sector

Name of Work:

राज्य योजना के अन्तर्गत खजरा बैजवाडी के कि०मी० 4.00 से आगे बरसीला पौध मंजुली तक मोटर मार्ग का विस्तार।

Length of Road:

4.000 Km

Division:

Ty. Div. PWD Srinagar; HQ: Kirtinagar, 8th Circle New Tehri

सत्य प्रदीप

सहायक अभियन्ता-
अस्थाई खण्ड ले. वि. नि.

DETAILS OF ALIGNMENT

Name Of Work: राज्य योजना के अन्तर्गत खजरा बैजवाडी के कि०मी० 4.00 से आगे बरसीला पौध मंजुली तक मोटर मार्ग का विस्तार।

Sanctioned Length: 4.000 Proposed length: 4.000 K.m

Scheme - State sector

Sl. No.	Items	Alignment 1	Alignment 2
Details of Route, vis-à-vis topography of the area			
1	Main Feature and description of the alignment	Alignment started from km.4.000, H.M. 8 to 10 of Khajra Benjwari motor road . This alignment goes through -Nap Land, Civil soyam .& Reserve forest	Alignment started from km.4.000, H.M. 8 to 10 of Khajra Benjwari motor road . This alignment goes through -Nap Land, Civil soyam .& Reserve forest
2	Length of the alignment from starting point to terminal point.	4.000	4.000
3	Geometric		
A	Gradient in different stretches of the alignment	1:18 325m,1:40 75m,1:18 350m. 1:40 75m. 1:20 100m. 1:40 75m. 1:20 1000m. 1:20 1150m.1:40 75 m. 1:20 775m. Rise As soon attached General L-Section.	1:18 325m,1:40 75m,1:18 350m. 1:40 75m. 1:20 100m. 1:40 75m. 1:20 1000m. 1:20 150m.1:40 75 m. 1:20 775m. 1:40 75m. 1:20 325 m.1:40 75m.1:20 525 Rise As soon attached General L-Section.
B	Curves and Hair Pin Bends	Easy Curves.04 nos hairpin bend	Easy Curves.06 nos hairpin bend
4	A Terrain and Soil Condition		
1	Geology of the road	Earth mixed with Boulder	Earth mixed with Boulder
B	Road Length Passing Through		
1	Cultivated land & Barren land	1.325 km Nap land and 0.150 km civil Soyam & 2.525 Reserve Forest	0.575 km Nap land and 0.300 km civil Soyam & 3.125 Reserve Forest
2	Mountainous terrain cross slope from 25° to 60°	3.500 m	3.200 m
3	Steep terrain cross slope greater than 60°	0.500 m	0.800 m
4	Rocky stretches with indication in length in loose	NIL	NIL
5	Area subject to avalanches and snow drifts	NIL	NIL
5	Nature of Soil		
1	Length of reaches with Earth & Boulders	2.200	2.000
2	Length of reaches with Medium Rock / Shale	0.800	1.200
3	Length of reaches with Hard Rock / Shale	1.000	0.800
4	Length of reaches with VHR / VHS	nil	nil
6	Bridge Requirements		
A	Major Bridges		
1	Total Number	Nil	Nil
2	Range of Span	Nil	Nil
3	Total water way	Nil	Nil
B	Minor Bridges		
1	Total Number	Nil	Nil
2	Range of Span	Nil	Nil
3	Total water way	Nil	Nil
7	General elevation of the road indicating maximum and minimum heights negotiated by main ascents and descents	maximum and minimum height are 1000.0 & 1196.0 meter above MSL	maximum and minimum height are 1000.0 & 1193.0 meter above MSL
1	Total number of ascents and descents	Nil	Nil
2	Heights of Cliffs & Gorges	Nil	साथ प्रतिबिम्बित

DETAILS OF ALIGNMENT

Name of Work: राज्य योजना के अन्तर्गत खजरा बैजवाडी के कि०मी० 4.00 से आगे बरसीला पौध मंजुली तक मोटर मार्ग का विस्तार।
 Proposed Length: 4.000 Proposed length: 4.000 K.m
 Name: State sector

Items	Alignment 1	Alignment 2
Right of way bringing out construction on Account of Built-up Area Mountains and Other		
Approximate area and value		
Cultivated	0.675 km	0.275 km
Irrigated	0.300 km	0.150 km
Un-Irrigated	0.350 km	0.150 km
Civil Soyam	0.150 km	0.300 km
Forest Land	2.525 km	3.125 km
Existing means of inter communication (Mule Path, Jeep track etc.)	Mule Path & Foot Track	Mule Path & Foot Track
Relation of proposed alignment with existing and under construction roads	Alignment started from km.4.000, H.M. 8 to 10 of Khajra Benjwari motor road . This alignment goes through -Nap Land, Civil soyam .& Reserve forest	Alignment started from km.4.000, H.M. 8 to 10 of Khajra Benjwari motor road . This alignment goes through -Nap Land, Civil soyam .& Reserve forest
Availability of road construction materials	Materials is available locally	Materials is available locally
Location of quarries	Expected on the Alignment	Expected on the Alignment
Average leads		
Facilities & Resources		
A Landing Ground	Nil	Nil
B Dropping Zone	Nil	Nil
C Food Stuffs	Dangchora Market	Dangchora Market
D Labour locally available or need of import	40% labour available locally & 60% need import	40% labour available locally & 60% need import
E Construction materials	Stone mostly	Stone mostly
F Timber, Bamboo, Sand, Shingle, grit etc. extent of their availability & lead involved	Available with in 20 to 40 Kms	Available with in 20 to 40 Kms
Access point indicating possibility of equipment	Tehri, Srinagar & Rishikesh	Tehri, Srinagar & Rishikesh
Climate Conditions		
A Temperature Maximum & Minimum	Max 30° C to 35° C, Mini 0° C to 4° C	Max 30° C to 35° C, Mini 0° C to 4° C
B Rainfall Data Average Annual Peak intensity, monthly distribution of the available road length covered by Snow (Average and Period)	Not Available	Not Available
C Wind direction & velocity	North to South with Normal velocity	North to South with Normal velocity
D Fog conditions	Negligible in winter	Negligible in winter
E Exposure to sun	Well Expose to Sun	Well Expose to Sun
F Drainage Characteristics of the area indicating susceptibility to damage	full length of road is exposed to sunway	full length of road is exposed to sunway
Length of landslide	Nil	Nil
Length of unstable area	Nil	Nil
Length of Heavy Clearing	Nil	Nil
Length of marshy and flooded areas	Nil	Nil
Length of position with loose repose	Nil	सह्यप्रतिविधि
Vegetation extent / type	Trees & Small Bushes	Trees & Small Bushes

[Signature]

[Signature]

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DETAILS OF ALIGNMENT

Name Of Work:

राज्य योजना के अन्तर्गत खजरा बैजवाडी के कि०मी० 4.00 से आगे बरसीला पौध मंजुली तक मोटर मार्ग का विस्तार।

Sanctioned Length:

4.000

Proposed length:

4.000 K.m

Scheme -

State sector

Sl. No.	Items	Alignment 1	Alignment 2
20	Period required for constructions	3 year	3 year
21	Political Aspect	The area will be connected with District HQ & marketing centers.	The area will be connected with District HQ & marketing centers.
22	Village Falling on Terrain		
A	Village on or within	Benjwari	Benjwari
1	1 Km. of the Alignment	Benjwari, Poudh, Bersila, Manjuli	Benjwari, Poudh, Bersila, Manjuli
2	1 Km. to whole length of the Alignment	Tehri, Srinagar & Rishikesh	Tehri, Srinagar & Rishikesh
B	Name of Important Village Town, Marketing Centers Other Centers connected		
23	Strategic conditions	Area will devloped	Area will devloped
24	Economic & Industrial Consideration	Approximate in Future	Approximate in Future
25	Population served by alignment	Approximate	Approximate
26	Recreational potential & Potential for Development of Tourism	Tourism can be developed	Tourism can be developed
27	Scope for Agricultural and Horticulture Development	Agricultural and Horticulure can be developed	Agricultural and Horticulure can be developed
28	Extent of forest wealth	Good	Good
29	Possibility of development of minor or any other major development projects being taken up (e.g. Hydro Electric Projects)	Not Known	Not Known
30	Approximate cost of construction of each alignment		
31	Merits & Demerits		
	Merits & Demerits	Road is passing through stable area & alignment accepted by public. Hairpin Bends 04.	Road is passing through stable area & alignment accepted by public. Hairpin Bends 06.
32	Relation of proposed Alignment with existing and under	New construction.	New construction.
33	Position of quarry	Stone available from hill side cutting.	Stone available from hill side cutting.
34	Any other useful information viz. Other important projects being taken in the area required for proper completion of the work	Nil	Nil
35	Recommendation of Executive Engineer	Alignment 1 (Shown Red on Contour Map) is Recommended for Sanction	
	Order of the Superintending Engineer		

सात्यपति लिपि

A.E.

सहायक अभियन्ता-

अस्थाई खण्ड लो० नि० वि०

धीनगर-मु० कीर्तिनगर डि० ए०

Alignment No. 117 approved
as shown in Red Colour on Contour
Map as recommended by E.E.

S.E. 8th Circle

धनपुरी

अधिसूची संजयिका
अस्थाई खण्ड लो० नि० वि०
कीर्तिनगर

कार्य का नाम - खजरा बैजवाडी के कि.मी. 4.00 से आगे बरसीला पेंच में मुली का निर्माण (राज्य योजना)

Alignment - 01

Scale = H = 25 m = 1:50 C.M
V = 10 m = 1:10 C.M

सत्यपति लिपि

सहायक अभियन्ता -
अस्थाई खण्ड लो० नि० मि०
धीनगर-मु० कीर्तिनगर टि० स०



