

4.2.22
10

Alignment Report of Pothing Sovykund Motor Road Under S.S. in Distt-Bageshwar
(5.000Km)

Description of items	Alignment No.1 marked in Red colour	Alignment No.2 marked in green colour	Remarks
2	3	4	5
Main features of Alignments	Km 5 to Kapkote Danui Sukundi Motor Road	Km 5 to Kapkote Danui Sukundi Motor Road	
Length of road from starting to terminal point.	5.00 km	5.00 Km	
Geometric			
(a) Gradient in different stretches of the alignment.	1:22F, 1:22R, Level, 1:20R, Level, 1:20R, 1:24R, Level, 1:22R,	1:20F, 1:18R, Level 1:16R, Level, 1:20R, 1:18R, 1:20R	
(b) Curves	Level	Level	
(c) Hair pin bend numbers	0 Nos	2 Nos	
Terrain & Soil conditions			
(a) Geology of the area	Hill Area	Hill Area	
(b) Road length passing through-			
(i) Mountainous terrian (Cross slop 25% to 60%)	3.50 Km	3.00 Km	
(ii) Steep terrain (cross slope more than 60%)	1.50 Km	2.00 Km	
(iii) Stretches with indications of loose rock conditions.	Nil	Nil	
(iv) Areas subjected to avalanches or snow drifts.	Nil	Nil	
Nature of soil			
(a) Length of reaches with Eath & Boulders.	3.50 Km	3.00 Km	
(b) Length of reaches with Hard rock/ Hard shale.	1.50 Km	2.00 Km	
(c) Length of reaches with Medium rock/ Med. Shale.	Nil	Nil	
(d) Length of reaches with Homogeneous rocks.	Nil	Nil	
Requirements of Bridges/ Culverts/ Scuppers:-			
(a) Major bridges.	Nil	1 No(36Mtr)	
(b) Minor bridges.	2 No(10Mtr, 25Mtr)	1 No(12Mtr)	
(i) Total numbers.			
(ii) Total water way.			
Scuppers(R.C.C. slab type)			
(i) Total numbers.	30 No	32 No	
(ii) Range of span.	1.00 Mtr	1.00 Mtr	
(iii) Total water way.	30 Mtr	30 Mtr	
General elevation of road including maximum & minimum.			

heights by mean ascents & descents.			
(a) Total numbers of ascents & descents.		1 No Ascend 1 Decent	1 No Ascend 1 Decent
(b) Length of cliffs & gorges.		Nil	Nil
Land available			
(a) Right of way bringing out constraints on account of built up area, monuments & other structures.		Nil	Nil
(b) Approximate area & value.			
(i) Cultivated.		1.50 Km	2.000 Km
(ii) Irrigated.		2.75 Km.	0.500 Km.
(iii) Un- Irrigated.		3.50 Km	2.500 Km
Existing means of intercommunication mule path, jeep, truck etc.		Mule path	Mule path
Availability of road construction materials.			
(a) Location of quarry.			
(i) Sand.		Locally	Locally
(ii) Stone.		Locally	Locally
(b) Lead.			
(i) Sand		Locally	Locally
(ii) Stone.		Locally	Locally
Facility / Resources.			
(a)....		Nil	Nil
(c) Dropping zone		Nil	Nil
(d) Food stuff.		Nil	Nil
(e) Labour local availability & lead for import.		Local and Nepali	Local and Nepali
(f) Construction materials, timber bomboo, sand, stone, shingle etc. availability and lead involved.		Locally	Locally
A.C.C. points indicating possibility of equipment's.		Work will be don	Work will be don
Climatic conditions.			
(a) Temoerature maximum/ minimum.		Max 60°C 35°C Min 40°C 5°C	Max 60°C 35°C Min 40°C 5°C
(b) Rainfall average, annual, peak intensity, monthly description to the extent possible.			
(c) Length of road covered by snow (average & peak)		10cm avg Nil	10cm Avg Nil
(d) Wind direction.		East-west	East-West
(e) Fog conditions.		Toggy	East-west Toggy
(f) Exposure to sun.		Partly Sunny	Partly Sunny
Drainage characteristic of the area indicating susceptibility of		Fair	Fair

1	Length of land slides.	Nil	Nil
2	Length of heavy clouding.	Nil	Nil
3	Length of marshy or flooded area.	Nil	Nil
4	Length of portions with loose rock.	Nil	Nil
5	Period required for construction.	3 Year	3-Yr
6	Vegetation extent type.	Nap Land, Civil Land	Nap Land, Civil Land, Boon Panitch
7	Political aspects (villages falling within population)		
8	(a) 1 st KM of the alignments.	Pothing Dudila	Pothing Dudila
9	(b) 2 nd KM to 3 rd Km of the alignments.	Sovykund, Primary school Sovykund, High school Sovykund, Silpara	Sovykund, Silpara
10	(c) 4 th Km to 5 th Km of alignment.	Fair	Fair
11	Strategic considerations.		
12	Economical & Industrial considerations.		
13	(a) Population served by the alignment.	2015	1982
14	Recreational potential for development.	Tourism & Education	Tourism & Education
15	Scope of agricultural & horticultural development.	Much Scope	Much Scope
16	Extent of forest wealth.	Nil	Nil
17	Approximate cost of each alignment.	230.00 Lack	230.00 Lack
18	Merits/ Demerits		
19	(i) More Agriculture	More Agriculture	More Agriculture
20	(ii) 4 Nos. of Village are connected in his Alignment	4 Nos. of Village are connected in his Alignment	4 Nos. of Village are connected in his Alignment
21	(iii) Economical Alignment	Economical Alignment	Economical Alignment
22	(iv) Villagers Consent	Villagers Consent	Villagers Consent
23	(v) Any other important information v.i.s. other important projects being undertaken in the area required for completion of the work.	Nil	Nil

Recommendation of Executive Engineer:-

The alignment No. 1 is recommended for construction in view of the above facts

Junior Engineer

Assistant Engineer

Executive Engineer
बगेश्वर

Approval of Superintending Engineer.

Superintending Engineer.

अधीक्षक अभियन्ता
मि. वृत्त, लो. नि. वि.
बगेश्वर