

प्रारूप-13

Performa for comparison between identified alignments

| S.no. | Item   | Alignment 1   | Alignment 2  |
|-------|--|---|--|
| 1     | Detail of Route, vis a vis Topography of the area main feature and Description of the Alignment  | It is a extension of moolgarh-thela - Gandrakhal motor Road up to Bhelgarhi Pandavgaon motor Road | It is a extension of moolgarh- thela - Gandrakhal motor Road up to Bhelgarhi Pandavgaon motor Road |
| 2     | Length of Road   | 6.825 K.M.  | 7.00 K.M.  |
| 3     | Bridge requirement No. and Length  | -   | -  |
| 4     | Geometric  |   |  |
|       | (a) Gradients  | 1:20 Rise, 1:40 Rise, 1:17 Rise, 1:20 Fall, 1:40 Fall, And Level                                  | 1:20 Rise, 1:40 Rise, , 1:20 Fall, 1:24 Fall, 1:40 Fall, And Level                                 |
|       | (b) Curves, H.P Bends  | 10  | 14   |
| 5     | Existing Means of communication, mule path, jeep, Tracks etc.  | Mule & path   | Mule & path  |
| 6     | Right of way, bringing out. construction on account of built up areas, monuments and other structure<br>1. Naap Land<br>2. Van Panchayat Land<br>3. Civil Soyam Land<br>4. Reserve Forest Land   | 600<br>-<br>390<br>5835   | 700<br>-<br>450<br>5850  |
| 7     | (a) Terrain & Soil Condition.<br><br>(vi) Cliffs and gorges.<br>(vii) Drainage characteristics of the area including supceptibility to flooding .<br>(viii) General elevation of the road indicating maximum and minimum height negotiated by main ascends and discends.<br>(ix) Variations extants and types. | As Per Geologist Report   | As Per Geologist Report  |
| 8     | Climate Condition:<br>(a) Temperature max. & min. reading.<br>(b) Rainfall data average annual peak intensities monthly distribution (to the extent available) .   | Max. 35 C & Min.20 C<br><br>1000 mm   | Max. 35 C & Min. 20 C<br><br>1000 mm   |

|    |  |  |  |
|----|--|--|--|
|    | (c) Snowfall data average annual peak intensities monthly distribution (to the extent available).<br>(d) Wind direction and velocities.<br>(e) Fog Condition.<br>(f) Exposure to sun.<br>(g) Unusual weather condition like cloud burst etc.                         | Negligible<br><br>From North to South with moderate Velocity<br><br>Partially Well expose to Sun<br>Negligible             | Negligible<br><br>From North to South with moderate Velocity<br><br>Partially Well expose to Sun<br>Negligible             |
| 9  | Facilities resources.<br>(a) Landing ground.<br>(b) Dropping Zone.<br>(c) Food stuffs.<br>(d) Labour local availability and need for import.<br>(e) Construction material (Timber, Bamboo, Sand, Stone, Shingle etc. extent of their availability and lead involved. | Yes<br>Nil<br>Ghansali<br>50% Labors available Locally & rest From Nepal<br><br>Stone & timber available with in 30-40 Kms | Yes<br>Nil<br>Ghansali<br>50% Labors available Locally & rest From Nepal<br><br>Stone & timber available with in 30-40 Kms |
| 10 | Value of land, agricultural land, Irrigated land, built up land, forest land etc,  | As per District Circle Rates   | As per District Circle Rates   |
| 11 | Approximate Const. Cost.   | 3.263 crore  | 5.00 crore   |
| 12 | Access point indicating possibility of induction of equipment  | Ghansali   | Ghansali   |
| 13 | Period required for construction   | 3 year   | 3 year   |
| 14 | Strategic Consideration  |  |  |
| 15 | Important villages, towns and markets centers to be connected  | All Nearest Village Including Ghansali Market  | All Nearest Village Including Ghansali Market  |
| 16 | Recreational potential.  | Will Increase  | Will Increase  |
| 17 | Economic Factors:<br>(a) Population served by the alignment.   | Approximate  | Approximate  |
|    | (b) Agriculture and economic potential of the area.  | Good   | Good   |
| 18 | other major development projects being taken up electric projects etc.   | Negligible   | Negligible   |

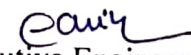
|    |   |   |   |
|----|---|---|---|
| 19 | (i) Misc. Such as camping sites<br>(ii) Law and other problem<br>(iii) Royalty<br>(iv) Availability of contractors for collection and carriage of construction material<br>(v) working period available for construction of work. | Nil<br>Nil<br>Nil<br>Nil  | Nil<br>Nil<br>Nil<br>Nil  |
| 20 | Total No. of trees to be removed .  | -   | -   |
| 21 | Average Density of forest cover   | -   | -   |
| 22 | Total No. of Merits   | 1. Alignment is Passing through stable area   | 2. Alignment accepted by Villagers & Elected Public representatives of the Area<br>3. Alignment is Passing through steep area<br>4. Nil H.P. Band |
| 23 | Total No. of Demerits   | 1. Alignment is accepted by Villagers & Elected Public representatives of the Area<br>2. 10 H.P. Band | 3. Alignment is not accepted by Villagers & Elected Public representatives of the Area<br>4. 14 H.P. Band   |


**RECOMMENDATIONS:**

Alignment no. (2 ) Recommended for approval being more economical, useful & technically feasible.

  
Junior Engineer/  
P.W.D

  
Assistant Engineer  
P.W.D

  
Executive Engineer  
P.W.D

प्रतिहस्ताक्षरित  
  
वनाधिकारी  
विहरी वन प्रभाग  
नई टिहरी