

**Performa for comparison between identified alignment**

कार्य का नाम- जनपद अल्मोडा के विधानसभा क्षेत्र जागेश्वर के अंतर्गत जागर से भाँगादेवली लिंक मोटर मार्ग।  
लम्बाई 3.00 कि०मी०

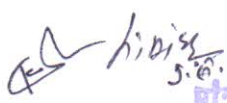
| S.No. | Description of Items  | Alignment No.1  | Alignment No.2  |
|-------|---|---|---|
| 1     | 2   | 3   | 4   |
| 1     | Detail of route vis-à-vis topography of the area.   | This road will start from Punaghar-Natadol Motor Road in Km. 2 (Jawar Band). This area is situated in Block Lamghara and Distt. Almora. | This road will start from Punaghar-Natadol Motor Road in Km. 2 (Jawar Band). This area is situated in Block Lamghara and Distt. Almora. |
| 2     | Length of road  | 3.00 Km   | 3.00 Km   |
| 3     | Bridging requirements- Number, Length   | Nil   | Nil   |
| 4     | (a) Gradient in different stretches of the alignment.<br>(b) Curves, Hair Pin, bends etc.                         | 1:20F, Level, 1:40F<br>Convex & Concave, spiral curve shall be used for transition<br>H.P. bend- 3 No.                                  | Level, 1:40F, 1:20F<br>Convex & Concave, spiral curve shall be used for transition<br>H.P. bend- 4 No.                                  |
| 5     | Existing means of communication Mule path, Jeep Track, etc.   | Mule path/foot track  | Mule path/foot track  |
| 6     | Right of way bringing out constraints on account of built - up area, monuments, and other structures.             | -   | -   |
| 7     | Terrain & Soil conditions .   |   |   |
|       | 7.1. Geology of the area  | As per attached Geologist report  | As per attached Geologist report.   |
|       | 7.2. Nature of soil   | E&B, O.R. & H.S. V.H.S.   | E&B, O.R. & H.S. V.H.S.   |
|       | 7.3. Road length passing through-   | -   | -   |
|       | (i) Mountainous terrain   | 100%  | 100%  |
|       | (ii) Steep terrain  | Nil   | Yes   |
|       | (iii) Rock stretches with indications of loose rock conditions.   | Nil   | Yes   |
|       | (iv) Area subject to avalanches And snowdrifts  | Nil   | Nil   |
|       | (v) Slip-prone areas  | Nil   | Nil   |
|       | 7.4. Cliffs and Georges   | Nil   | Nil   |
|       | 7.5. Drainage characteristics of the area including susceptibility to flooding                                    | Good drainage   | Good drainage   |
|       | 7.6. General elevation of the road indicating maximum and Minimum heights negotiated by main ascents and descent. | Max. RL. 1800.00 M<br><br>Min. RL. 1691.75 M  | Max. RL. 1800.00 M<br><br>Min. RL. 1696.37 M  |


|    |   |  |  |
|----|---|--|--|
|    | 7.7. Total numbers of ascent and descents   | 2 ascent<br><br>1 descent  | 4 ascent<br><br>2 descent  |
|    | 7.8. Vegetation - extent and type   | Bushes, plants and some trees etc.<br>Exact no and type as per forest deptt. | Bushes, plants and some trees etc.<br>Exact no and type as per forest deptt. |
| 8  | Climatic conditions   |  |  |
|    | 8.1. Temperature monthly maximum/minimum.   | Max. 7 <sup>0</sup> (Apprx.)<br><br>Min. 30 <sup>0</sup> (Apprx.)            | Max. 7 <sup>0</sup> - (Apprx.)<br><br>Min. 30 <sup>0</sup> (Apprx.)          |
|    | 8.2. Rainfall average, annual, peak intensity, monthly description to the extent possible.          | 1000 MM  | 1000 MM  |
|    | 8.3. Snowfall data- average annual, peak intensities monthly distribution (to the extent available) | Few times in winters in Short area.  | Few times in winters in Short area.  |
|    | 8.4. Wind direction.  | General type   | General type   |
|    | 8.5. Fog conditions.  | Nil  | Nil  |
|    | 8.6. Exposure to sun.   | 95% of the length  | 70% of the length  |
|    | 8.7. Unusual weather condition like cloudbursts etc.  | Very Less  | Very Less  |
| 9  | Facility/Resources.   |  |  |
|    | 9.1. Landing ground   | -  | -  |
|    | 9.2. Dropping zone  | -  | -  |
|    | 9.3. Foodstuffs.  | Foodstuffs are there   | Foodstuffs are there   |
|    | 9.4. Labour local availability & need for import.   | Local & Nepali. Labour will be needed  | Local & Nepali. Labour will be needed  |
|    | 9.5. Construction materials, timber bamboo, sand stone, shingle etc.                                | stone within 1-2 Km<br>far available, sand and shingles quarry in Haldwani   | stone within 1-3 Km<br>far available, sand and shingles quarry in Haldwani   |
|    | Availability and leads involved.  |  |  |
| 10 | Value of land.  |  |  |
|    | 10.1 Agriculture land, Irrigated land,<br>10.2 Built up land, Forestland etc.                       | As per Circle Rate.<br>As per Revenue and forest Deptt                       | As per Circle Rate.<br>As per Revenue and forest Deptt                       |
| 11 | Approximate construction cost   | 23.44 Lacs   | 23.44 Lacs   |
| 12 | Access points indicating possibility of induction of equipments                                     | -  | -  |
| 13 | Period required for construction  | After transfer of land -1 year   | After transfer of land -1½ year  |
| 14 | Strategic considerations  | Good   | Good   |
| 15 | Recreational potential  | Possibilities are there  | Possibilities are there  |
| 16 | Important villages town and marketing centers to be connected                                       | Saharfatak, Motiyapathar   | Saharfatak, Motiyapathar   |
| 17 | Economic Factors :  |  |  |
|    | (a) Population served by the Alignment  | 2000   | 2000   |

|    |   |   |   |
|----|---|---|---|
|    | (b) Agriculture and economic potential of the area.   | Agricultural Products will reach up to nearest market and farmers will get good price. Employment will generate | Agricultural Products will reach up to nearest market and farmers will get good price. Employment will generate |
| 18 | Other major developmental project being taken up in the area e.g. hydroelectric projects  | -   | -   |
| 19 | Miscellaneous such as, camping sites, law and order problems, royalty charges, availability of contractors for collection and carriage of construction materials. | Condition are favourable maximum villagers agreed with this alignment.  | Condition not favourable. As villagers are not agree this route.  |
| 20 | Working period available for construction work etc.   | Working period available whole year except rainy season   | Working period available whole year except rainy season   |
| 20 | Total No. of trees to be removed  | 227   | 290   |
| 21 | Average Density of forest cover   | 14  | 14  |
| 21 | Total No. of Merits   | 1- Transportaion is easy to being standard gardiaent.<br>3- Less forest land Affected.                          | Nil   |
| 22 | Total No. of Demerits   | H.P. bend- 3  | All villagers are not agree with this alignment.  |


#### RECOMMENDATIONS:


Alignment no. ( 1 ) Recommended for approval being more economical, useful & technically feasible.


  
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अरमोडा.

  
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अरमोडा.

Note - Signature and approval of the concerned DFO is essential.

  
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उत्तरी गौला वनक्षेत्र  
नैनीताल वनप्रभाग (नैनीताल)

  
उप प्रभागीय वनाधिकारी (मु.)  
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