

परियोजना का नाम:- राज्य योजना के अन्तर्गत जनपद बागेश्वर में कांडा रावतसेरा मार्ग के कोटपातल बैन्ड से भदौरा बाजीरोड मोटर मार्ग का निर्माण।

वैकल्पिक संरेखण निरस्त किये जाने का प्रमाण पत्र।

प्रमाणित किया जाता है कि परियोजना हेतु विभिन्न उपलब्ध विकल्पों पर विचार किया गया व वर्तमान विकल्प को सर्वदा उपयुक्त पाया गया।

  
प्रभागीय सहायक अधिकारी,  
बागेश्वर वन प्रभाग,  
बागेश्वर

  
अधिशाली अभियंता  
प्रान्तीय खंड, लो0नि0वि0  
बागेश्वर

परियोजना का नाम:- राज्य योजना के अन्तर्गत जनपद बागेश्वर में कांडा रावतसेरा मार्ग के कोटपातल बैन्ड से भदौरा बाजीरोड मोटर मार्ग का निर्माण।

विभिन्न विकल्पों का तुलनात्मक विवरण व उनके निरस्त किये जाने का कारण का प्रमाण पत्र।

| संरेखण नं० | प्रभावित वनभूमि (है०) | प्रभावित वृक्षों की संख्या | मार्ग की लम्बाई | अन्य कारण (एच.पी.बैन्ड व अन्य भूगर्भीय कारण)                                            |
|------------|-----------------------|----------------------------|-----------------|-----------------------------------------------------------------------------------------|
| संरेखण-1   | 0.840                 | 64                         | 5.00 कि०मी०     | ग्राम सभाओं की सहमति एवं भूवैज्ञानिक की संस्तुति के अनुसार अनुमोदित।                    |
| संरेखण-2   | 2.10                  | 160                        | 5.00 कि०मी०     | अधिक वन भूमि आने, 2 बैन्ड आने एवं भूवैज्ञानिक की संस्तुति के अनुसार निरस्त किया गया है। |

तुलनात्मक विवरण संलग्न है। उक्त दोनों संरेखणों में से संरेखण नं० 1

उपयुक्त है।

प्रभागीय वनाधिकारी,  
बागेश्वर वन प्रभाग,  
बागेश्वर

अधिशाली अभियंता  
प्रान्तीय खंड, लो०नि०वि०  
बागेश्वर

# ALIGNMENT REPORT

24

13

| SL No. | Description of items                                                                                                                                                                                                                                                                                             | Alignment No.1 marked in Red color                    | Alignment No.2 marked in green color                  | Remarks |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|---------|
| 1      | 2                                                                                                                                                                                                                                                                                                                | 3                                                     | 4                                                     | 5       |
| 1      | Main features of Alignments                                                                                                                                                                                                                                                                                      | Start from km-5 of K-S-R to Baji Road                 | Start from km-5 of K-S-R to Baji Road                 |         |
| 2      | Length of road from starting to terminal point.                                                                                                                                                                                                                                                                  | 5.00 km                                               | 5.00 km                                               |         |
| 3      | Geometric<br>(a) Gradient in different stretches of the alignment.<br>(b) Curves<br>(c) Hair pin bend numbers                                                                                                                                                                                                    | 1:22, 1:20<br>140<br>2 NOS                            | 1:20, 1:18<br>1140<br>2 NOS                           |         |
| 4      | Terrain & Soil conditions<br>(a) Geology of the area<br>(b) Road length passing through-<br>(i) Mountainous terrain (Cross slop 25% to 60%)<br>(ii) Steep terrain (cross slope more than 60%)<br>(iii) Stretches with indications of loose rock conditions.<br>(iv) Areas subjected to avalanches or snowdrifts. | No any loose reaches<br>1.5 km<br>1.5 km<br>2 km<br>— | Loose & Side reaches<br>1.5 km<br>1.5 km<br>2 km<br>— |         |
| 5      | Nature of soil<br>(a) Length of reaches with Earth & Boulders.<br>(b) Length of reaches with hard rock/ hard shale.<br>(c) Length of reaches with Medium rock/ Med. shale.<br>(d) Homogeneous rocks.                                                                                                             | 2.5 km<br>2.5<br>NIL                                  | 2.5 km<br>1.00 km<br>1.5 km                           |         |
| 6      | Requirements of Bridges/ Culverts/ Scuppers:-<br>(a) Major bridges.<br>(b) Minor bridges.<br>(i) Total numbers.<br>(ii) Total waterway.<br>(c) Scuppers (R.C.C. slab type)<br>(i) Total numbers.<br>(ii) Range of span.<br>(iii) Total waterway.                                                                 | NIL<br>NIL<br>30<br>1.0                               | NIL<br>2 NOS<br>30<br>1.0                             |         |

J.E

Baji

Chad

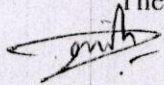
|    |                                                                                                                                                                                                                                                                                     |                                                   |                                                      |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------|----|
| 7  | General elevation of road including maximum & minimum heights by mean ascents & descents.<br>(a) Total numbers of ascents & descents.<br>(b) Length of cliffs & gorges.                                                                                                             | NIL<br>NIL                                        | NIL<br>NIL                                           | 14 |
| 8  | Land available<br>(a) Right of way bringing out constraints on account of built up area, monuments & other structures.<br>(b) Approximate area & value of Cultivated.<br>(i) Irrigated.<br>(ii) Un- Irrigated.                                                                      | NIL<br>200 m<br>NIL<br>NIL                        | NIL<br>300 m<br>NIL<br>NIL                           |    |
| 9  | Existing means of intercommunication mule path, jeep, truck etc.                                                                                                                                                                                                                    | Mule Path for village                             | NIL                                                  |    |
| 10 | Availability of road construction materials.<br>(a) Location of quarry.<br>(i) Sand.<br>(ii) Stone.<br>(b) Lead.<br>(i) Sand<br>(ii) Stone.                                                                                                                                         | 5 Km<br>10 Km<br>5 Km<br>5 Km<br>5 Km             | 10 Km<br>10 Km<br>5 Km<br>5 Km                       |    |
| 11 | Facility / Resources.<br>(a)....<br>(b) Dropping zone<br>(c) Food stuff.<br>(d) Lab our local availability & lead for import.<br>(c) Construction materials, timber bamboo, sand, stone, shingle etc. availability and lead involved.                                               | NIL<br>NIL<br>Malta, orange<br>Locally<br>Locally | NIL<br>NIL<br>Malta orange etc<br>Locally<br>Locally |    |
| 12 | A.C.C. points indicating possibility of equipment's.                                                                                                                                                                                                                                | NIL                                               | NIL                                                  |    |
| 13 | Climatic conditions.<br>(a) Temperature maximum/ minimum.<br>(b) Rainfall average, annual, peak intensity, monthly description to the extent possible.<br>(c) Length of road covered by snow (average & peak)<br>(d) Wind direction.<br>(e) Fog conditions.<br>(f) Exposure to sun. | Normal<br>5°C to 30°C<br>Normal<br>Sunny area     | Normal<br>5°C to 30°C<br>Normal<br>Sunny area        |    |

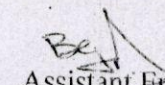
15

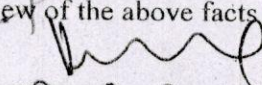
|    |                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                          |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|--|
| 14 | Drainage characteristic of the area indicating susceptibility of damages.                                                                                                                                                                                                                                                                 | Fair                                                         | Fair                                                     |  |
| 15 | Length of land slides.                                                                                                                                                                                                                                                                                                                    | NIL                                                          | NIL                                                      |  |
| 16 | Length of heavy clouding.                                                                                                                                                                                                                                                                                                                 | NIL                                                          | NIL                                                      |  |
| 17 | Length of marshy or flooded area.                                                                                                                                                                                                                                                                                                         | NIL                                                          | NIL                                                      |  |
| 18 | Length of portions with loose rock.                                                                                                                                                                                                                                                                                                       | NIL                                                          | NIL                                                      |  |
| 19 | Period required for construction.                                                                                                                                                                                                                                                                                                         | 5-10 km                                                      | 5-10 km                                                  |  |
| 20 | Vegetation extent type.                                                                                                                                                                                                                                                                                                                   | Local                                                        | Local                                                    |  |
| 21 | Political aspects (villages falling within population)<br>(a) 1 <sup>st</sup> Km of the alignments.<br>(b) 2 <sup>nd</sup> Km of the alignments<br>(c) 3 <sup>rd</sup> Km to 4 <sup>th</sup> Km of the alignment.<br>(d) 5 <sup>th</sup> Km to 6 <sup>th</sup> Km alignment.<br>(e) 7 <sup>th</sup> Km to 7.75 <sup>th</sup> Km alignment | Bhadaura<br>Tota Dewal<br>Baji Road                          | Bhadaura<br>Tota Dewal<br>Baji Road                      |  |
| 22 | Strategic considerations.                                                                                                                                                                                                                                                                                                                 |                                                              |                                                          |  |
| 23 | Economical & Industrial considerations.<br>(a) Population served by the alignment.                                                                                                                                                                                                                                                        | Malta, Orange                                                | Malta, Orange                                            |  |
| 24 | Recreational potential for development.                                                                                                                                                                                                                                                                                                   | Connecting to K-S-R                                          | Connecting to K-S-R                                      |  |
| 25 | Scope of agricultural & horticultural development.                                                                                                                                                                                                                                                                                        | Wide development may be occasion                             | Wide development may be occasion                         |  |
| 26 | Extent of forest wealth.                                                                                                                                                                                                                                                                                                                  | Minimum                                                      | Maximum                                                  |  |
| 27 | Approximate cost of each alignment.                                                                                                                                                                                                                                                                                                       | 233.00 lacs                                                  | 233.00 lacs                                              |  |
| 28 | Merits/ Demerits<br>(i)<br>(ii)<br>(iii)<br>(iv)                                                                                                                                                                                                                                                                                          | Desired Gradient<br>Min Agri. Land<br>Demerit<br>2 H.P. Bend | Undesired Gradient,<br>2 H.P. Bend<br>Maximum Agri. Land |  |
| 29 | 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:-

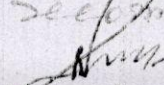
The alignment No. 1 is recommended for construction in view of the above facts

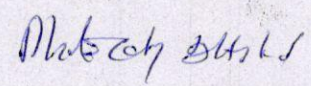
  
Junior Engineer

  
Assistant Engineer

  
अधिशारी अभियन्ता  
Executive Engineer  
प्रांतीय खण्ड लो० नि० वि०  
बागेश्वर

Approval of Superintending Engineer.

  
Shown Red color Approval  
Alignment No. 1 as per  
CEU Recommendation

  
Superintending Engineer.

सहायक अभियन्ता  
प्रा० खण्ड लो० नि० वि०  
बागेश्वर