

परियोजना का नाम :-

जनपद पौड़ी गढ़वाल में एन0एच0 बैंड से कोठिला-खिटोटिया मोटर मार्ग का नव निर्माण। लम्बाई 10.000 कि0मी0 वास्तविक लम्बाई 6.025 कि0मी0

प्रमाणित किया जाता है कि प्रस्तावित परियोजना हेतु Performa for comparison between identified alignment संलग्न कर दिया गया है।

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*3/1/11*

## DETAILS OF ALIGNMENT

Name of work : Alignment of Kothila-Khitotia Motor Road.  
Sanctioned Length: 6.025 KM.  
Scheme :

| Sl. No. | Items                                                          | Alignment 1                                             | Alignment 2                                             |
|---------|----------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 1       | Detail of Route, vis-à-vis topography of the area              |                                                         |                                                         |
|         | Main feature and description of the alignment                  | Proposed Road Starts From NH-121 From Village Kothila . | Proposed Road Starts From NH-121 From Village Kothila . |
| 2       | Length of the alignment from starting point to terminal point. | 6.025 Km                                                | 6.500 Km                                                |
| 3       | Geometric                                                      |                                                         |                                                         |
|         | A Gradient in different stretches of the alignment             |                                                         |                                                         |
|         | B Curves and Hair Pin Bends                                    | As Per L-Section Attached                               | As Per L-Section Attached                               |
| 4       | A Terrain and Soil Condition                                   | 7.00 No Of H.P. Band.                                   | 9.00 No Of H.P. Band.                                   |
|         | 1 Geology of the road                                          |                                                         |                                                         |
|         | B Road Length Passing Through                                  | E&B to VHS/VHR                                          | E&B to VHS/VHR                                          |
|         | 1 Cultivated land & Barren land                                |                                                         |                                                         |
|         | 2 Mountainous terrain cross slope from 25° to 60°              | 6.025 Km<br>4.745 Km                                    | 6.500 Km<br>4.745 Km                                    |
|         | 3 Steep terrain cross slope greater than 60°                   | 1.280 Km                                                | 1.755 Km                                                |
|         | 4 Rocky stretches with indication in length in loose           | Nil                                                     | Nil                                                     |
|         | 5 Area subject to avalanches and snow drifts                   | Nil                                                     | Nil                                                     |

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## DETAILS OF ALIGNMENT

Name of work : Alignment of Kothila-Khitotia Motor Road.  
Sanctioned Length: 6.025 KM.  
Scheme :

| Sl. No. | Items                                                                                                       | Alignment 1                        | Alignment 2                        |
|---------|-------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| 5       | Nature of Soil                                                                                              |                                    |                                    |
| 1       | Length of reaches with Earth & boulders                                                                     | 2.550 Km                           |                                    |
| 2       | Length of reaches with Medium Rock/Shale                                                                    | 3.475 Km                           | 5.550 Km                           |
| 3       | Length of reaches with Hard Rock/Shale                                                                      | 0.000                              | 0.700 Km                           |
| 4       | Length of reaches with VHR/VHS                                                                              | 0.000                              | 0.000                              |
| 6       | Bridge Requirement                                                                                          |                                    | 0.000                              |
| A       | Major Bridges                                                                                               |                                    |                                    |
| 1       | Total Number                                                                                                | Nil                                |                                    |
| 2       | Range of Span                                                                                               | Nil                                | 1                                  |
| 3       | Total Water Way                                                                                             | Nil                                | 30 Mtr                             |
| B       | Minor Bridges/Cluverts                                                                                      |                                    |                                    |
| 1       | Total Number                                                                                                | 2                                  | 30 Mtr                             |
| 2       | Range of Span                                                                                               | 12.6 Mtr                           | Nil                                |
| 3       | Total Water Way                                                                                             | 10.4 Mtr                           | Nil                                |
| 7       | General elevation of the road including maximum and minimum heights negotiated by main ascents and descents |                                    | Nil                                |
| 1       | Total number of ascents and descents                                                                        | Throughout Fall, Rise, Level grade | Throughout Fall, Rise, Level grade |
| 2       | Heights of Cliffs & Gorges                                                                                  | Nil                                | Nil                                |
| 8       | Right of way bringing out construction on Account of Built-up Area Mountains and Other                      |                                    |                                    |
|         | Approximate area and value                                                                                  |                                    |                                    |
| 1       | Cultivated                                                                                                  | 4475.00 Mtr                        | 5550.00 Mtr                        |
| 2       | Irrigated                                                                                                   | 0.00                               | 0.00                               |
| 3       | Un-Irrigated                                                                                                | 3475.00 Mtr                        | 5550.00 Mtr                        |
| 4       | Civil Soyam & Van Pyanchat                                                                                  | 1050.00 Mtr                        | 700.00 Mtr                         |
| 5       | Forest Land                                                                                                 | 0.00                               | 0.00                               |

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दायालु खण्ड

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अ. ब. ज. (पैडी) गढ़वाल

## DETAILS OF ALIGNMENT

Name of work : Alignment of Kothila-Khitotia Motor Road.

Sanctioned Length: 6.025 KM.

Scheme :

| Sl. No. | Items                                                                                                                                 | Alignment 1                                                     | Alignment 2                                                     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 9       | Existing means of inter communication (mule Path, Jeep Track etc.)                                                                    | foot path & mule path.                                          | foot path & mule path.                                          |
|         | B Relation of proposed Alignment with existing and under construction road                                                            | Proposed Road Starts From NH-121 From Village Kothila .         | Proposed Road Starts From NH-121 From Village Kothila .         |
| 10      | A Availability of Road construction Materials                                                                                         |                                                                 |                                                                 |
|         | B Location of Quarries                                                                                                                |                                                                 |                                                                 |
|         | C Average leads                                                                                                                       |                                                                 |                                                                 |
| 11      | Facilities & Resources                                                                                                                |                                                                 |                                                                 |
|         | A Landing ground                                                                                                                      | Nil                                                             | Nil                                                             |
|         | B Dropping Zone                                                                                                                       | Nil                                                             | Nil                                                             |
|         | C Food stuffs                                                                                                                         | Bajro                                                           | Bajro                                                           |
|         | D Labour locally available or need of import                                                                                          | Locally Available and from Nepal                                | Locally Available and from Nepal                                |
|         | E Construction materials                                                                                                              | Available within 100 km                                         | Available within 100 km                                         |
|         | F Timber, Bamboo, Sand, Shingle, Grit etc. Extent of their availability & lead involved                                               | Equipment Will available on Kotdwar Or Meerut.                  | Equipment Will available on Kotdwar Or Meerut.                  |
| 12      | Access point indicating possibility of Equipment                                                                                      | Equipment Will available on Kotdwar Or Meerut.                  | Equipment Will available on Kotdwar Or Meerut.                  |
| 13      | Climate Condition                                                                                                                     |                                                                 |                                                                 |
|         | A Temperature Maximum & Minimum                                                                                                       | Maximum 25-30° C Minimum 10-15° C                               | Maximum 25-30° C Minimum 10-15° 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 of Velocity                                                                                                          |                                                                 |                                                                 |
|         | D Fog conditions                                                                                                                      | Some Fog in winter & rainy Season.                              | Some Fog in winter & rainy Season.                              |
|         | E Exposure to sun                                                                                                                     | well exposure to sun                                            | well exposure to sun                                            |
|         | F Drainage characteristics of the area including susceptibility to damage                                                             | Good Natural Drainage hence susceptibility to damage in minimum | Good Natural Drainage hence susceptibility to damage in minimum |

धरमा लाल

योगेश्वर

सहायक अभियन्ता

निर्माण खण्ड लोडिंग

अपने बैजरो (पौडी गढवाल)

ज.प.

## DETAILS OF ALIGNMENT

Name of work : Alignment of Kothila-Khitotia Motor Road.

Sanctioned Length: 6.025 KM.

Scheme :

| Sl. No. | Items                                                                        | Alignment 1                   | Alignment 2     |
|---------|------------------------------------------------------------------------------|-------------------------------|-----------------|
| 14      | Length of landslide                                                          | Nil                           | Nil             |
| 15      | Length of unstable area                                                      | Nil                           | Nil             |
| 16      | Length of heavy clearing                                                     | Nil                           | Nil             |
| 17      | Length of marshy and flooded                                                 | Nil                           | Nil             |
| 18      | Length of position with loose                                                | Nil                           | Nil             |
| 19      | Vegetation extent / Type                                                     | Ordinary bushes               | Ordinary bushes |
| 20      | Period required for construction                                             | One year.                     | One year.       |
| 21      | Politicale Aspect                                                            | Normal.                       | Normal.         |
| 22      | <b>Village Falling on Terrain</b>                                            |                               |                 |
| A       | Village on or within                                                         |                               |                 |
| 1       | 3-5 Km. of the Alignment                                                     | Nalatu, Gairi Barakot, Barkot | None            |
| 2       | 6 Km to 7.0 km of the Alignment                                              | Chakhiya.                     | None            |
| 3       | 16 Km to 17.0 km of the Alignment                                            | Dungri Rawal                  | Dungri Rawal    |
| B       | Name of Important Village , Town, Marketing Centers, other centers connected |                               |                 |
| 23      | Strategic Condition                                                          | Nil                           | Nil             |
| 24      | Economic & Industrial Consideration                                          | Normal                        | Normal          |
| 25      | Population served by Alignment                                               |                               |                 |
| 26      | Recreational potential & Potential for Development                           | Nil                           | Nil             |
| 27      | Scope for Agricultural and Horticulture Development                          | Good                          | Good            |
| 28      | Extent of Forest wealth                                                      | Normal                        | Normal          |
| 29      | Possibility of Development of minor or any other major                       | Nil                           | Nil             |
| 30      | Approximate cost of Construction of each Alignment                           | 331 Lacs                      | 350 Lacs        |

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30/0

## DETAILS OF ALIGNMENT

Name of work : Alignment of Kothila-Khitotia Motor Road.  
Sanctioned Length: 6.025 KM.

Scheme :

| Sl. No. | Items                                                                    | Alignment 1                                                                                                                                                  | Alignment 2                                                                                                                                                                   |
|---------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 31      | Merits&Demerits.                                                         |                                                                                                                                                              |                                                                                                                                                                               |
|         | A. Merits.                                                               | 1. No any Irrigated Cultivated land involved.<br>2. Alignment Accepted by Villagers & their elected representative.<br>3. Length of road is in shorter side. | 1. No any Irrigated Cultivated land involved.                                                                                                                                 |
|         | B. Demerits.                                                             | 1. 7 H.P. Band Provided.                                                                                                                                     |                                                                                                                                                                               |
| 32      | Relation of proposed alignment with existing and road under construction |                                                                                                                                                              | 1. Alignment Didn't Accepted by Villagers & their elected representative.<br>2. Increasing of Private land length of road and also Total length.<br>3. Nine HP Bend provided. |
| 33      | Position of Quarry                                                       | Proposed Road Starts From NH-121 From Village Kothila .<br>Kotdwar.                                                                                          | Proposed Road Starts From NH-121 From Village Kothila .<br>Kotdwar.                                                                                                           |
| 34      | Any other useful information viz. other important                        | Not Known                                                                                                                                                    | Not Known                                                                                                                                                                     |
| 35      | Recommendation of Executive Engineering                                  | Alignment-1 (shown in Red on Contour Map) is Recommended for approval.                                                                                       | Alignment -2 (Shown in Green on Contour Map) is not Recommended for approval.                                                                                                 |

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