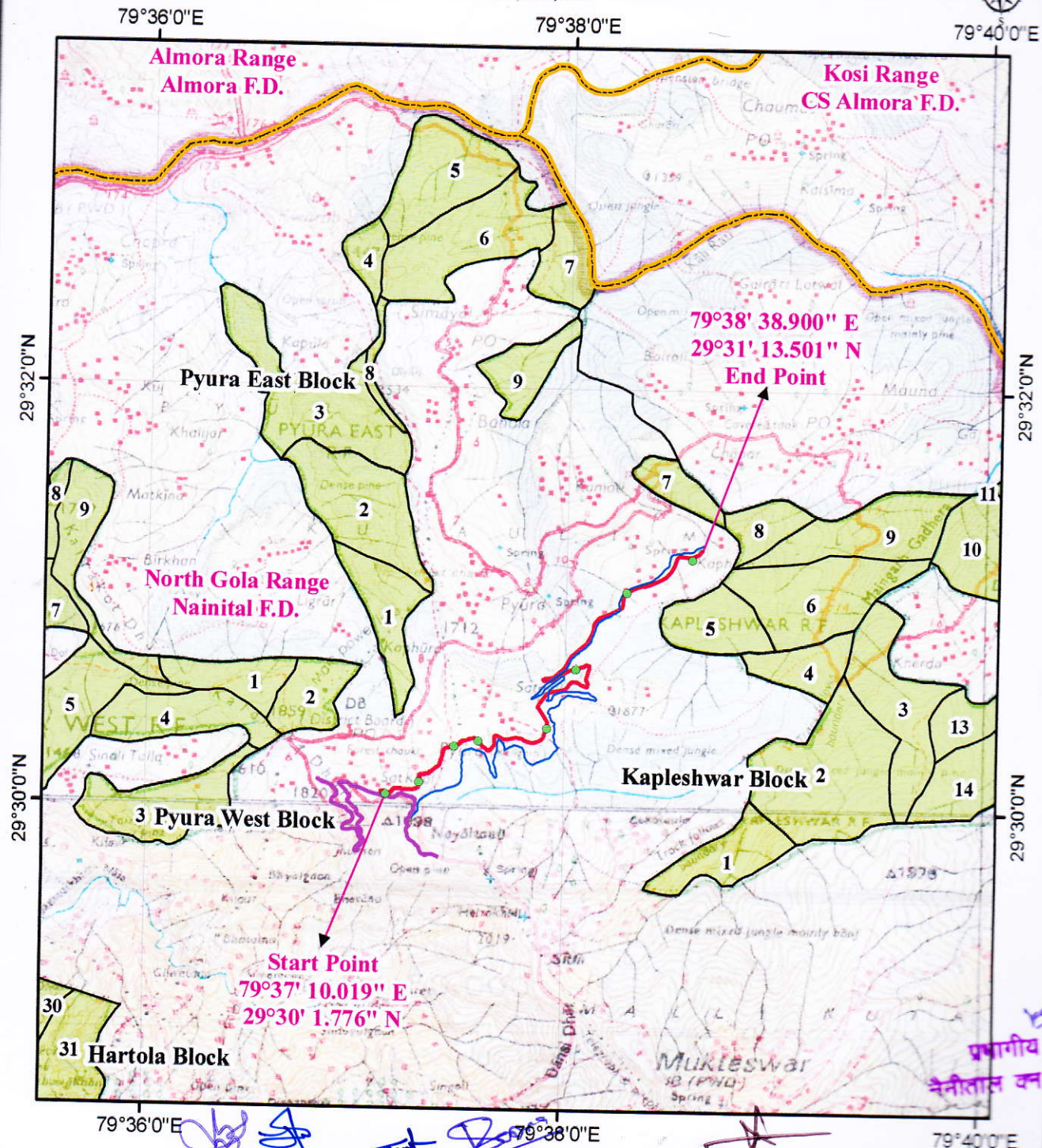


डिजिटल मैप – जनपद नैनीताल के अर्न्तगत सतौड़ी से कफूला मोटर मार्ग के निर्माण हेतु

0 0.5 1Km

1 : 50,000



Legend

- Muck Dumping
- Proposed_Road
- Alternate_Road
- Existing_Road
- Forest Range Boundary
- Reserve Forest Boundary
- Reserve Forest Boundary

जिलाधिकारी
नैनीताल

वन क्षेत्राधिकारी
उत्तरी गोला वन
नैनीताल वन प्रभाग

अतिरिक्त जिलाधिकारी

निर्माण खण्ड, लो० नि० वि०
बंदीमाड

प्रभागीय वनाधिकारी
नैनीताल वन प्रभाग, नैनी

जिलाधिकारी
नैनीताल

वन क्षेत्राधिकारी,
नैनीताल

| Comparative Statement of Various Alignment | | | |
|-------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Name of work :- Construction OF Satoli - Kafura Moter Road Under S.C.P. | | | |
| S.N. | Description of item | Alignment no. (1) marked with RED colour | Alignment no.(2) marked with GREEN colour |
| 1 | Main features of Alignments. | Starting from Km 6 of Nathuakhan Pura M/R and passes through village Satkhol and finished at Kafura village | Starting from Km 16 of Q.M.S M/R and passes through village Satoi and finished at Kafura village |
| 2 | Length of road from starting to terminal point, | 6.000 km | 6.75 Km |
| 3 | Geometric | | |
| (a) | Gradient in different stretches of the alignment | 1: 10(F), Level, 1:40 (R), 1: 40(F); 1:40 (F);1:20 (F) | 1:20 (R),1:30 (R),1:18 (R), 1:24(R) . |
| (b) | Curves | As per I R C | As per I R C |
| (c) | Hair pin bends numbers | 3 Numbers | 4 Hair pin bends |
| 4 | Terrain & Soil conditions | Hilly area consisting | Hilly area consisting |
| (a) | Geology of the area | E&B / HS./ V.H.S./H.R./V.H.R. | E&B / HS./ V.H.S./H.R./V.H.R.. |
| (b) | Road length passing through | | |
| (i) | Mountainous terrain(cross slope 25% to 60%) | 6.00 Km. | 6.75 Km |
| (ii) | Steep terrain (cross slope more than 60%) | Nil | Nil |
| (iii) | Stretches with indications of loose rock conditions. | Nil | Nil |
| (iv) | Areas subjected to avalanches or snow drifts. | Nil | Nil |
| 5 | Nature of soil | | |
| (a) | Length of reaches with Earth & Boulders. | 3.00 Km | 2.00 Km |
| (b) | Length of reaches with Hard rock/Hard shale. | 1.50 Km | 3.0 Km |
| (c) | Length of reaches with Medium rock/Med. Shale. | 1.50 Km | 1.75 Km |
| (d) | Length of reaches with Homogeneous rocks. | Nil | Nil |
| 6 | Requirements of Bridges/Culverts/Scuppers. | | |
| (a) | Minor bridges | | |
| (i) | Total number | Nil | Nil |
| (ii) | Range of span | Nil | Nil |
| (iii) | Total water way | | |
| (b) | Major Bridges | | |
| (i) | Total number | Nil | Nil |
| (ii) | Range of span | Nil | Nil |
| (iii) | Total water way | | |

24
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| 1 | 2 | 3 | 4 |
|-------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 7 | General elevation of road indicating maximum & minimum heights by mean ascents & descents. | As per L-Section shown minimum 780.000 maximum--1000.00 | As per L-Section shown minimum 672.00 maximum--1000.00 |
| (a) | Total numbers of ascents & descents | L - Section attached | L - Section attached |
| (b) | Length of cliffs & gorges | Nil | Nil |
| 8 (a) | Right of way bringing out constraints on account of built up area, monuments & other structures. | None | None |
| (b) | Approximate area & value | Approximate 30% cultivated land & 77% uncultivated & Banger land . | Approximate 75% cultivated land & 25% uncultivated & Banger land . |
| (i) | Cultivated | 4.000 km | 4.5 km |
| (ii) | Irrigated | 2.500 km | 2.00 km |
| (iii) | Un -Irrigated | 1.500 km | 2.500 km |
| 9 (a) | Existing means of intercommunication | Villagers foot track/ mulepath | Villagers foot track/ mulepath |
| (b) | Availability of road construction materials. | Stone | Stone |
| (i) | Location of quarry | Haldawani | Haldawani |
| | Sand | Haldawani | Haldawani |
| | Stone | Available nearby locally | Available nearby locally |
| (ii) | Lead | Haldawani | Haldawani |
| | Sand | 78 km by moter road | 80km by moter road |
| | Stone | 1 km by head load / by mule | 1 km by head load / by mule |
| 10 | Facility/ Resources | | |
| (a) | Landing ground | None | None |
| (b) | Dropping zone | None | None |
| (c) | Food stuff | None | None |
| (d) | Labour local availability & Need of import | Few local labour rest import from out side | Few local labour rest import from out side |
| (e) | Construction materials, timber, bamboo, sand, stone, shingle etc, availability and lead involved. | as above. | as above. |
| 11 | Access. points indicating possibility of equipment's. | During construction equipment can be transpoted through bridle path | During construction equipment can be transpoted through bridle path |
| 12 | Climatic conditions | | |
| (a) | Temperature maximum/minimum. | 30°c - 5°c | 30°c - 5°c |
| (b) | Rainfall average,annual,peak intensity. Monthly description to the extent possible. | Data not available. | Data not available. |
| (c) | Length of road covered by snow(average & peak) | Nil | Nil |
| (d) | Wind direction | West to East | West to East |
| (e) | Fog conditions | During rainy season | During rainy season |
| (f) | Exposure to sun | Full day during clear weather. | Full day during clear weather. |

Signature
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| 1 | 2 | 3 | 4 |
|-----|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 13 | Drainage characteristic of the area indicating susceptibility of damages. | Storm water drains through natural rivers / slopes ..Damage may be rainy season | Storm water drains through natural rivers / slopes ..Damage may be rainy season |
| 14 | Length of land slides. | Nil | Nil |
| 15 | Length of heavy clouding | Nil | Nil |
| 16 | Length of marshy or flooded area. | Nil | Nil |
| 17 | Length of portions with loose rock. | Nil | Nil |
| 18 | Period required for construction. | 2 years | 2 years |
| 19 | Vegetation extent type | Bushes | Bushes |
| 20 | Political aspects(villages falling within,population) | | |
| (a) | 1 st km. of the alignments | As per L - Section attached | As per L - Section attached |
| (b) | 1 to 5 km. of the alignment | -----do----- | -----do----- |
| 21 | Important village, town, maketing center connected. | Satkhoh & Kafura | Satoli & Kafura |
| | Strategic considerations. | Crops, vegetable & Fruit etc | Crops, vegetable & Fruit etc |
| 22 | Economical & Industrial considerations. | Farm / hortico produce. | Farm / hortico produce. |
| 23 | Population served by the alignment | More than 568 | More than 346 |
| (a) | Recreational potential for development. | None | None |
| 24 | Scope of agricultural & horticultural development. | 1 | 1 |
| 25 | Extent of forest wealth. | Nil | Nil |
| 26 | Prospects of development of minor or any other major development project being | None | None |
| 27 | Approximate cost of each alignment. | 106.80 Lacs | 128.75 Lacs |
| 28 | Merits | | |
| | (i) | Alignment passes through Nap Land & easily available for construction | Alignment passes through Nap Land & not easily available for construction |
| | (ii) | Eassy construction | Eassy construction |
| | (iii) | Less construction cost | More construction cost |
| | (iv) | Strong recommendation by villegers, & General people are in favour of this alignment | ----- |
| | Demerits. | | |
| | (i) | No Demerits. | During construction damage some propoty, & vegetation. |
| | (ii) | ----- | Strong Rejected by villegers, & General people are not in favour of this alignment |
| 29 | Any other important information (v.i.s.other important projects being undertaken in the area, required for completion of the work) | Nil | Nil |

S.E.

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