

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन ईकाई-रुद्रपुर/Project Implementation Unit- Rudrapur

प्रांतीय तल, श्री गुरु अंगद देव जी कॉम्प्लेक्स, रुद्रपुर/3rd Floor, Shri Guru Angad Dev Ji Complex, Rudrapur - 263153  
दूरभाष/Phone : 5944351555 ई-मेल/E-mail : pdpiurudrapur@nhai.org वेबसाइट/Website : www.nhai.gov.in



NHAI/RUPC/RudrapurBypass/2022/1916

Date: 26.08.2022

To,

The Divisional Forest Office  
Tarai Kendriya Van Prabhag  
Haldwani, Uttarakhand

**Subject:** Diversion of 2.183 ha Forest Land under FCA 1980 for construction / improvement of Rudrapur Bypass Road Section I (from Chainage 00+000 to 21+476) in Udham Singh Nagar District under Tarai Kendriya Van Prabhag Haldwani in Rudrapur Forest Range in the State of Uttarakhand

### Reference:

1. Your Office letter no पत्रांक 416 शि./12-1रुद्रपुर, दिनांक 16/08/2022
2. GOI, MoEF&CC IRO Dehradun Letter No पत्र सं. 8 वी/यू. सी. पी./06/56/2022/एफ सी /662 दिनांक 08/08/2022

Sir,

As per the queries raised by RO, MoEF&CC for the above mentioned project, compliance is as under:

| S.No. | Query   | Compliance  |
|-------|---|---|
| 1.    | The component wise breakup of the project to be undertaken on the proposed forest land has not been provided. Accordingly, the component wise breakup along with a detailed layout plan be submitted in the online portal. The KML file shall also be corrected to reflect the component wise breakup | Compliance has been done, updated kml uploaded on portal. Layout Plan is uploaded and enclosed as <b>Annexure I</b> . KML Image is enclosed as <b>Annexure II</b>   |
| 2     | The justification of requisite ROW in view of Existing norms mentioned in the IRC also be submitted by the State Govt.  | Uploaded and Enclosed as <b>Annexure III</b>  |
| 3     | The copy of administrative and financial approval/Sanction is not provided. The State Govt. is requested to submit the Administrative approval and Financial Approval/Sanction.   | Copy of Administrative approval is uploaded and Enclosed as <b>Annexure IV</b> . Financial approval /Sanction is not provided due to project is under DPR stage and Required sanction will be issued after completion of DPR stage. |
| 4     | The KML file of the diversion area is found uploaded in the online portal Part II in the place of KML of the CA area. Necessary correction made in this regard.   | Compliance is subjected to DFO  |

Me

Contd.....

|   |  |  |
|---|--|--|
| 5 | As per the DSS analysis of CA Area, 1.0 ha area is found MDF out of total 4.35 ha. Area. The State Govt. is requested to revisit the area for its suitability and the concerned DFO shall ensure that the area for its suitability and the concerned DFO shall ensure that the area proposed for the CA is suitable for raising plantation and shall have vegetation density below 0.4 | Compliance is subjected to DFO   |
| 6 | The state Govt. is requested to submit the details of muck generation and its utilization duly authenticated by the concerned DFO  | Uploaded and Enclosed as <b><u>Annexure V</u></b>  |
| 7 | It is seen that the proposed area is mentioned as Reserve Forest in Online part II for which working plan prescription has not been provided at para 5 of online Part II. Accordingly, the state Govt. is requested to upload the working plan prescription at para 5 in online Part II.   | Compliance is subjected to DFO   |
| 8 | The proposed area is being a plain area a scheme for transplantation of important trees from the enumeration list shall be worked out in the view of the commitment of the MoRTH vide letter dated 18 <sup>th</sup> February 2021. The State Govt. is requested to submit the detailed comments/ Plan in this regard.  | Compliance is subjected to DFO   |
| 9 | The Length of the Road passing through the forest is mentioned as 219m in the Bar-chart and Performa 12. However in the Geologist report it is mentioned as 230m. The state Govt. is requested to do the necessary corrections in this regard.   | After preparation of Geological report there is slight modification in alignment hence there is slight change in the length of alignment affecting in forest area, although location is same and affected forest area is 2.183 ha. |

This issued with the approval of Project Director

Encl: Annexure (I,II,III,IV,V) & Undertaking (VI)

Yours Faithfully,

*Meenu*  
26/08/2022  
Meenu

Dy. Manager (Tech)  
PIU-Rudrapur, NHAI



# NOTES:

1. ALL LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED
2. ALL DRAWINGS ARE INTERRELATED AND SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT DRAWINGS.

## LEGEND:

### HORIZONTAL PLAN

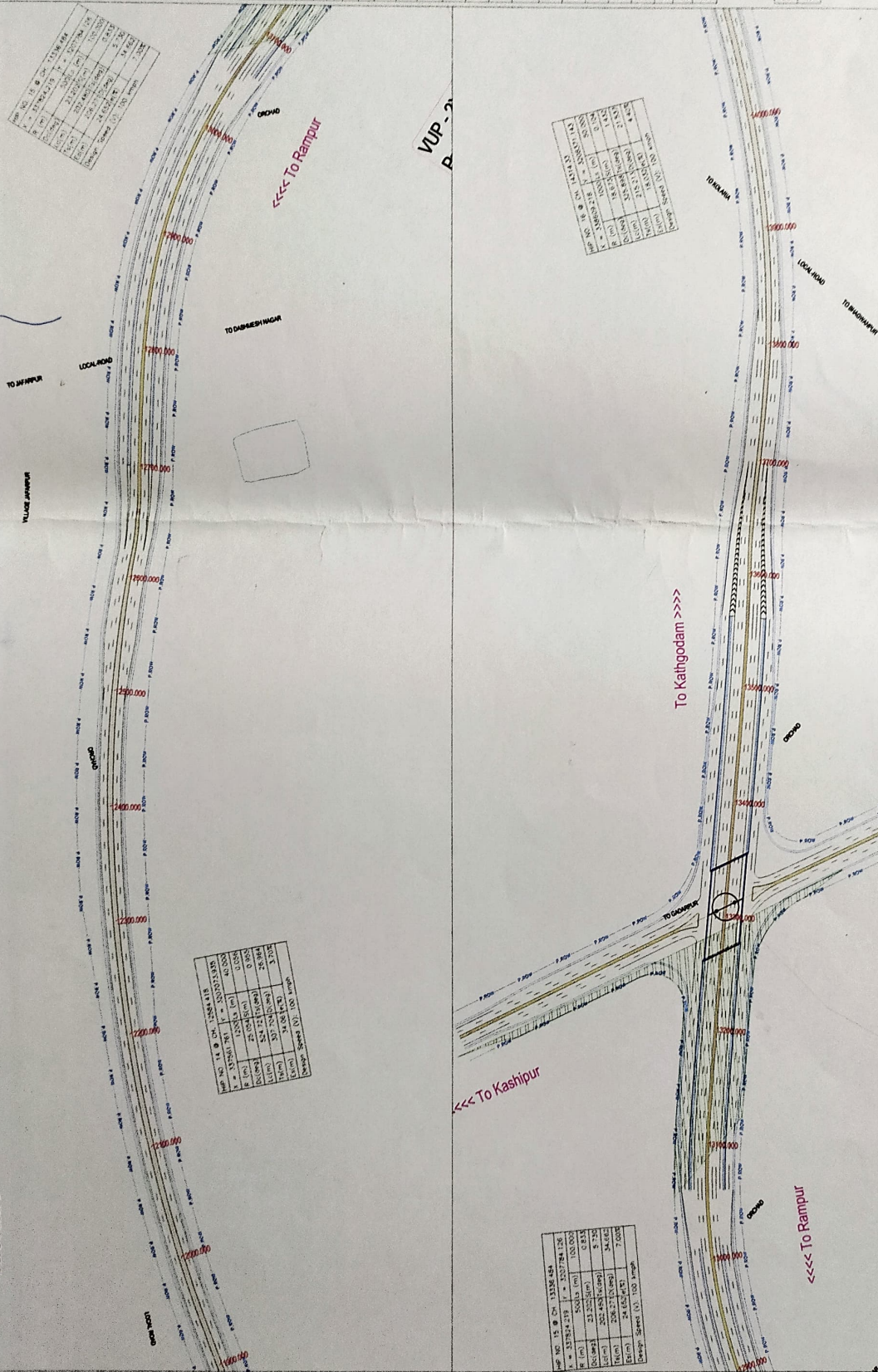
|                      |  |
|----------------------|--|
| NORTH                |  |
| PRO CENTRE LINE      |  |
| EXISTING CENTRE LINE |  |
| PRO ROAD WAY         |  |
| PROPOSED SHOULDER    |  |
| MEDIAN               |  |
| PROPOSED ROW LINE    |  |
| TREE                 |  |
| BRIDGES & CULVERTS   |  |
| PROPOSED             |  |
| BOUNDARY WALL        |  |
| BUILDING             |  |
| HILL                 |  |
| HAND PUMP            |  |
| WELL                 |  |
| TEMPLE               |  |
| FOREST STONE         |  |
| ELECTRIC POLE        |  |
| TRANSFORMER          |  |
| H.T. TOWER           |  |
| TELEPHONE POLE       |  |
| STREAM               |  |
| FENCING AREA         |  |
| FOREST AREA          |  |

### VERTICAL PROFILE

|                |  |
|----------------|--|
| RL             |  |
| EXISTING LEVEL |  |

KATHGODAM

KICHHA



VUP - 2X40X5.5  
Prod. CH:13+300

CLIENT:  
NATIONAL HIGHWAY AUTHORITY OF INDIA  
(Ministry of Road Transport & Highways Govt. of India)  
House No. 5, Lane-4, 1st Bahadur Road,  
Delhi-110001

DESIGN CONSULTANT:  
M/S HIGHWAY ENGINEERING CONSULTANT  
Office: M-880C, BEHIND PANCHWATI MARKET SAGET  
Taj Fier, GATE-42/317  
Mob. 9868432711, 9861777529  
Email: hcc\_bhopal@gmail.com

PROJECT  
Consultancy Services for preparation of Feasibility Study and Detailed  
Project Report for Rudrapur Bypass Road.

TITLE  
PLAN & PROFILE  
SCALE:  
HORIZONTAL: 1:5000  
VERTICAL: 1:1000  
DRAWING NO. NHWA/07  
DESIGNER  
CHECKED  
APPROVED

Project Director  
N.P.A.L., PIU-Rudrapur  
N.P.A.L., PIU-Rudrapur (U.K.D.)

वन क्षेत्राधिकारी  
रुद्रपुर रेल्व  
न०के०००००० रुद्रपुर

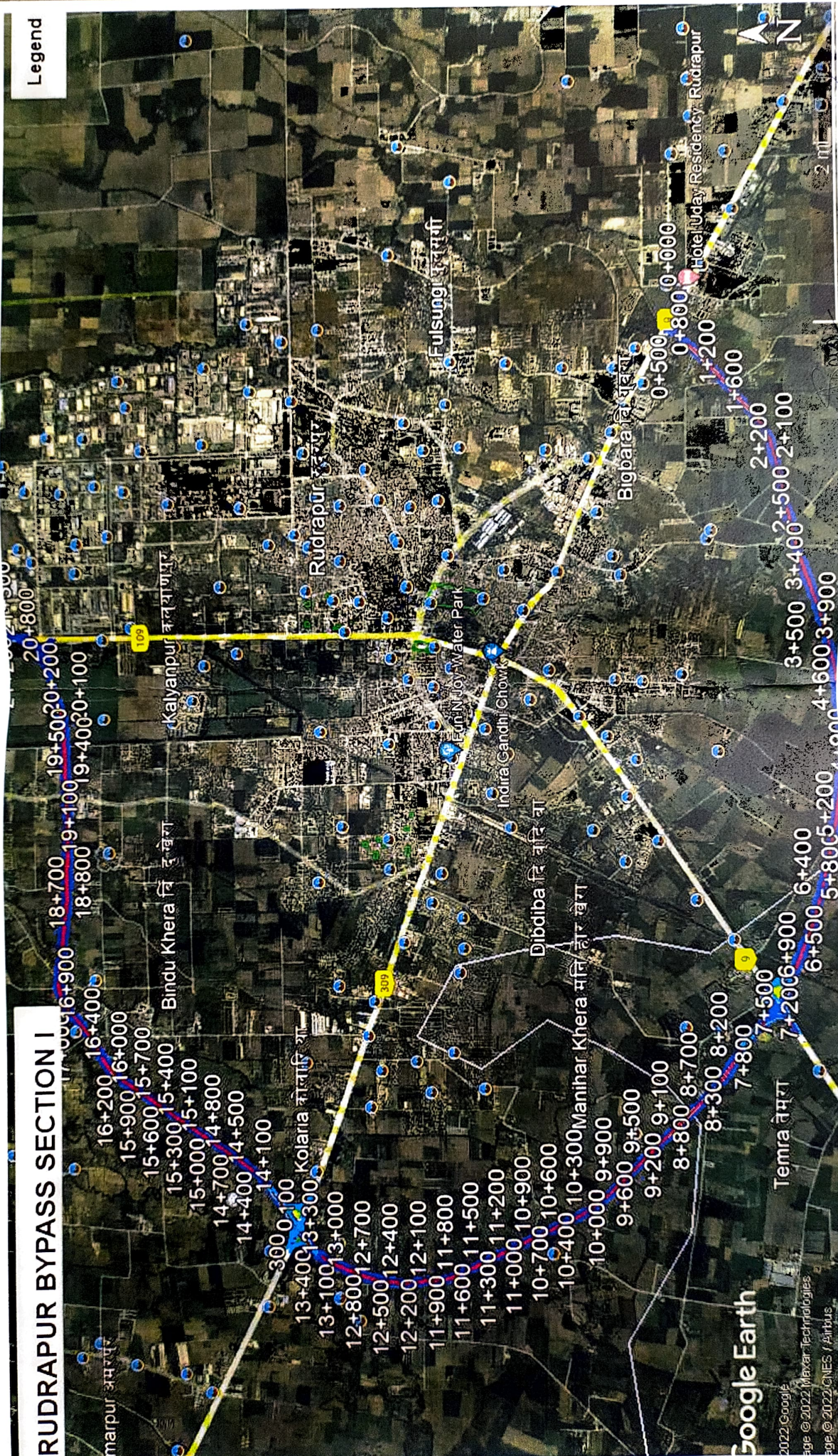
प्रमाणित वनाधिकारी (किष्का)  
रुद्रपुर रेल्व  
न०के०००००० रुद्रपुर

प्रमाणित वनाधिकारी  
रुद्रपुर रेल्व  
न०के०००००० रुद्रपुर



# RUDRAPUR BYPASS SECTION I

Legend



Dy. Manager (Tech.)  
 NHAI, PIU-Rudrapur (U.K.D.)  
 Project Director  
 NHAI, PIU-Rudrapur  
 Dy. Manager (Tech.)  
 NHAI, PIU-Rudrapur (U.K.D.)  
 Project Director  
 NHAI, PIU-Rudrapur

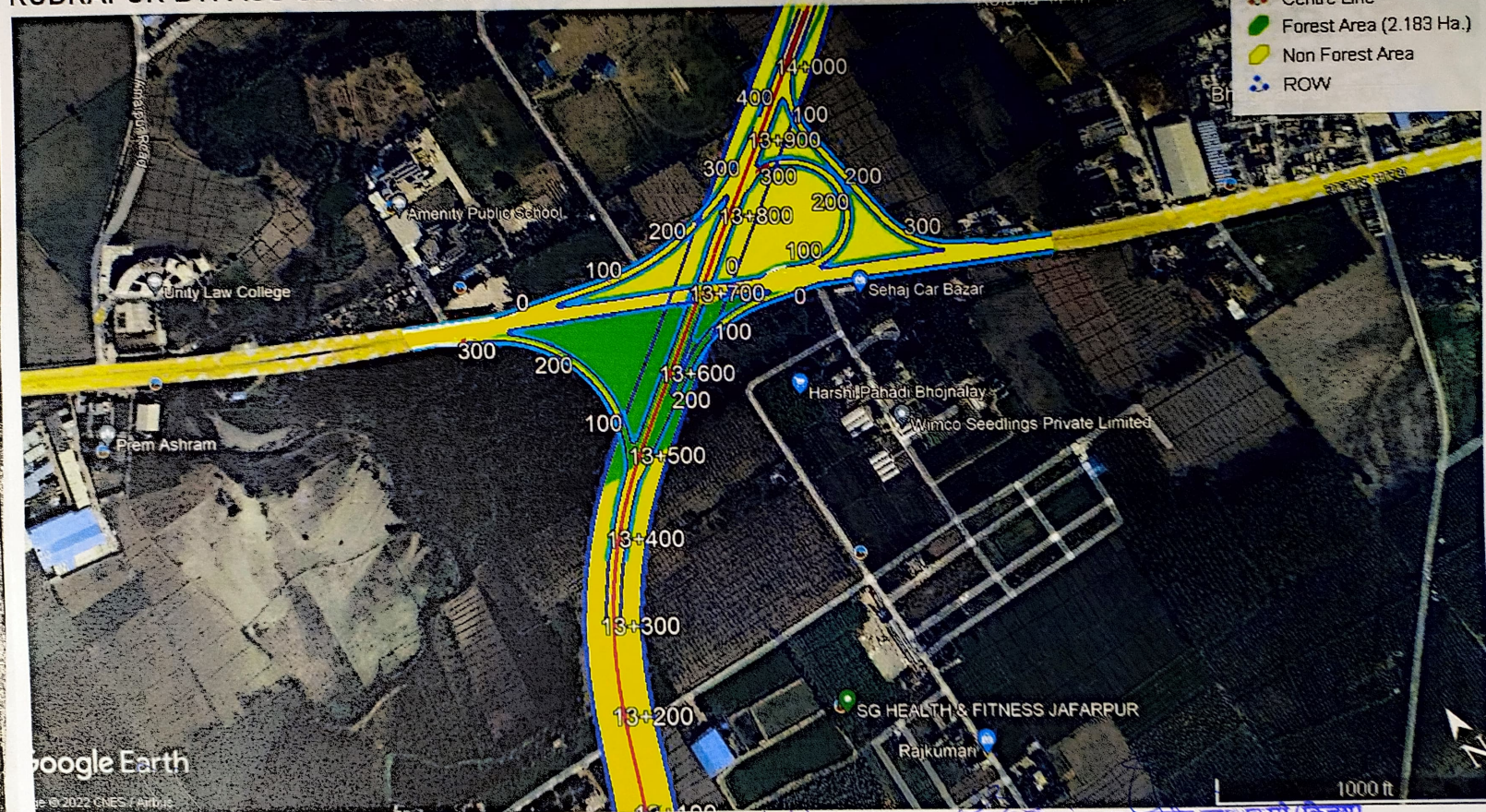
Google Earth  
 2022 Google  
 Image © 2022 Maxar Technologies  
 Image © 2022 CNES / Airbus



# RUDRAPUR BYPASS SECTION I AFFECTED FOREST AND NON FOREST AREA

## Legend

- Centre Line
- Forest Area (2.183 Ha.)
- Non Forest Area
- ROW



प्रभाग निदेशिका  
तराई केन्द्रीय वन प्रभाग  
रुद्रपुर (उधमसिंह नगर)

Dy. Manager (Tech.)  
NHAI, PIU-Rudrapur (U.K.D.)

परियोजना निदेशक  
Project Director  
नारायणगढ़, पंजाब  
N.P.A.I., PIU-Rudrapur

वन क्षेत्राधिकारी  
रुद्रपुर रेन्ज  
नारायणगढ़ रुद्रपुर

उप प्रेक्षणीय वनाधिकारी (किष्का)  
तराई केन्द्रीय वन प्रभाग  
रुद्रपुर, उधमसिंह नगर



Table 2.1 Design Speed

| Nature of Terrain     | Cross Slope of the Ground | Design Speed (km/h) |         |
|-----------------------|---------------------------|---------------------|---------|
|                       |                           | Ruling              | Minimum |
| Plain and Rolling     | Up to 25 percent          | 100                 | 80      |
| Mountainous and Steep | More than 25 percent      | 60                  | 40      |

Short stretches (say less than 1 km) of varying terrain met with on the road stretch shall not be taken into consideration while deciding the terrain classification for a given section of Project Highway.

**2.2.2** In general, the ruling design speed shall be adopted for the various geometric design features of the road. Minimum design speed shall be adopted only where site conditions are restrictive and adequate land width is not available. Such stretches where design speed other than ruling speed is to be adopted shall be as indicated as deviation in **Schedule 'D'** of the Concession Agreement.

### 2.3 Right-of-Way

A minimum Right of Way (ROW) of 60 m should be available for development of a 4-lane highway. The Authority would acquire the additional land required, if any. The land to be acquired shall be indicated in **Schedule 'B'** of the Concession Agreement. The consideration for planning, design and construction described in Para 1.13 shall apply.

### 2.4 Lane Width of Carriageway

The standard lane width of project highway shall be 3.5 m.

### 2.5 Median

**2.5.1** The median shall be either raised or depressed. The width of median is the distance between inside edges of carriageway. The type of median shall depend upon the availability of Right of Way. The minimum width of median, subject to availability of Right of Way, for various locations shall be as in **Table 2.2**.

Table 2.2 Width of Median

| Type of Section                          | Minimum Width of Median (m) |                  |                               |
|--|-----------------------------|------------------|-------------------------------|
|  | Plain and Rolling Terrain   |                  | Mountainous and Steep Terrain |
|  | Raised*                     | Depressed Median | Raised*                       |
| Open country with isolated built-up area | 5.0                         | 7.0              | 2.5                           |
| Built up area                            | 2.5                         | Not Applicable   | 2.5                           |
| Approach to grade separated structures   | 5.0                         | Not Applicable   | 2.5                           |

\* Including Kerb shyness of 0.50 m on either side. In the existing 4-lane reaches also, the minimum kerb shyness of 0.5 m shall be maintained. This additional width for kerb shyness shall be catered by augmenting the carriageways toward the shoulder side. The type and widths of median in various stretches of Project Highway shall be as indicated in **Schedule 'B'**.

अप प्रभागीय प्रनाधिकारी (किच्छा)  
तराई केन्द्रीय वन प्रभाग  
रुद्रपुर, उधमसिंह नगर

Dy. Manager (Tech.)  
NHAI, PIU-Rudrapur (U.K.D.)

परियोजना निदेशक  
Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, पृष्ठ 0010-रुद्रपुर  
N.H.A.I., PIU-Rudrapur



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport and Highways)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली-110075

G-5 & 6, Sector-10, Dwarka, New Delhi-110075

दूरभाष / Phone : 91-11-25074100/25074200

फैक्स / Fax : 91-11-25093507 / 25093514

अति तत्काल  
दस्ती

No. LA/11013/LACMinutes/2020(computer no. 5369)

26.07.2021

विषय: भू अर्जन समिति की सैंतालीसवीं बैठक दिनांक 19.07.2021 बाबत।

भू अर्जन समिति की सैंतालीसवीं बैठक दिनांक 19.07.2021 को भाराराप्रा मुख्यालय में आयोजित की गई थी।

2. बैठक के कार्यवृत्त इस परिपत्र के साथ परिचालित किए जाते हैं।
3. यह कार्यवृत्त सक्षम अधिकारी के अनुमोदन से जारी किए गए हैं।

एम एस कुमार

(एम एस कुमार)

उपमहाप्रबंदक (भू-अर्जन)

सेवा में,

सभी संबन्धित अधिकारी

प्रतिलिपि:-

1. अध्यक्ष महोदय के निजी सचिव
2. सभी सदस्य के निजी सचिव

## Minutes of 47<sup>th</sup> Meeting of LA Committee held on 19.07.2021

Following were present:

- i. Shri Giridhar Aramane, Chairman
- ii. Shri Alok, Member (Admin)
- iii. Shri R.K. Pandey, Member (Project)
- iv. Shri Mahabir Singh, Member (Tech)
- v. Shri Manoj Kumar, Member (Project)

2. The Committee considered the proposals submitted by technical divisions and following decisions were taken:

| Sr. No.  | Project Name / Decision  |
|----------|--|
| 47.01    | Sanchore - Deesa - Mehsana - Ahmedabad in the state of Gujarat.<br>UPC - DPR_NO501004001GJ   |
| Decision | The LAC approved the proposed alignment at Option-05 with 70m ROW.   |
| 47.02    | 4-Lanining Sahbad Thol in the state of Haryana.<br>UPC - N/06037/04001/HR  |
| Decision | The LAC approved the Green Field alignment at Option-02 with 45m ROW.  |
| 47.03    | AP/KN Border-Raichur-KN/TS Border in the State of Karnataka.<br>UPC - N0402501001KA  |
| Decision | The LAC approved the proposed alignment at Option-01 with 60m ROW.   |
| 47.04    | Bellary-Moka-KN/AP Boarder in the State of Karnataka.<br>UPC - N0402505001KA   |
| Decision | The LAC approved the alignment at Option-01 with 60m ROW.  |
| 47.05    | Sanquelim-Choravndem-Jamboti-Belagavi in the State of Karnataka.<br>UPC - N/04012/07001/GA   |
| Decision | Deferred.  |
| 47.06    | Jagtial karimnagar in the State of Telangana.<br>UPC- N/05032/01001/TS   |
| Decision | The LAC considered the proposal and approved the proposed LA Plan with 45m ROW for additional land of 185 Ha with an estimated LA cost of Rs. 280 Crs. |





|          |  |
|----------|--|
| 47.07    | Saharanpur bypass to Ganeshpur in the State of Uttar Pradesh.<br>UPC- N/04040/04005/UK                                   |
| Decision | LAC accorded 2 <sup>nd</sup> stage approval to the proposed LA plan for 21.4 Ha at approximate LA cost of Rs. 145.5 Crs. |
| 47.08    | Rudrapur bypass in the State of Uttarakhand.<br>UPC- Not yet allocated   |
| Decision | The LA Committee approved the proposed alignment at Option-01 with 45m ROW.  |
| 47.09    | 4-laning of Belgaum - Hungund - Raichur in the state of Karnataka.<br>UPC- N0401205001KA                                 |
| Decision | The LAC approved the alignment at Option-01 with 60m ROW.  |

3. The Meeting ended with a vote of thanks to the Chair.

] \*-----\*

*MA*  
Dy. Manager (Tech.)  
NHAI, PIU-Rudrapur (U.K.D.)

*[Signature]*  
परियोजना निदेशक  
for Project Director  
भा0रा0रा0प्रा0, प0का0ई0-रुद्रपुर  
N P A.I., PIU-Rudrapur

*MMY*



## प्रपत्र - 41

**परियोजना का नाम :-** Proposal for diversion of 2.183 ha of forest land for construction /improvement of Rudrapur Bypass Road Section I (from Chainage 00+000 to Chainage 21+476 ) in Udham Singh Nagar district under Tarai Kendriya Van Prabhag in Rudrapur Forest Range in the state of Uttarakhand.

**मलुवा निस्तारण योजना से सम्बन्धित प्रमाण पत्र**

उक्त परियोजना के निर्माण में उत्सर्जित होने वाले मलुवे का आंकलन :-

कि० मी० 0-20 - शुन्य

उक्त परियोजना के निर्माण में खपत होने वाले मलुवे का आंकलन

कि० मी० 0-20 - 1006534 घन मीटर

उक्त परियोजना के निर्माण हेतु मिट्टी बाहरी श्रोतो से लाकर तटबंध ( Embankment) बनाकर किया जाना है अतः मकडिस्पोसल योजना की आवश्यकता नहीं है।

प्रदेशीय वनाधिकारी  
तराई केन्द्रीय वन प्रभाग  
रुद्रपुर (ऊधमसिंह नगर)

वन क्षेत्राधिकारी  
रुद्रपुर रेन्ज  
न०के०ब०प्र० रुद्रपुर

MU  
Dy. Manager (Tech.)  
NHAI, PIU-Rudrapur (U.K.D.)

परियोजना निदेशक  
for Project Director  
भा०स०रा०प्र०, प०का०ई०-उ०प्र०  
N.P.A.I., PIU-Rudrapur

उ०प्र० भागीय वनाधिकारी (कि०)  
तराई केन्द्रीय वन प्रभाग  
रुद्रपुर, ऊधमसिंह नगर