



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

परियोजना कार्यान्वयन इकाई, अलीगढ़

## National Highways Authority of India

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

Project Implementation Unit, Aligarh



Building a Nation,  
Not Just Roads

सड़क नियोग ही नहीं,  
राष्ट्र नियोग भी।

भारत सरकार  
On India Government Service  
भारत सरकार सेवाएँ

Village-Bhikampur, At Km. 132.400 (RHS) on NH-34, Aligarh Bypass, Aligarh - 202001 (U.P.)  
ग्राम-भिकम्पुर, एच.एच-34 के 132.400 कि.मी. साइडबायपास पर, अलीगढ़ बाईपास, अलीगढ़-202001 (उ.प्र.)  
Email: aligarh@nhai.org | nhai@bharatnagar@gmail.com

NHAI/PIU-ALG/15016/P-II/NOC/2024/ 22193

Dated: 24.07.2024

### Invitation of Public Comments

**Sub: Proposal for permission for 11KV U/G Road Crossings at Ch. 197.260, Ch. 203.075, Ch. 211.990 & Ch. 213.110 on NH-34 Aligarh-Kanpur Section in the State of Uttar Pradesh.**

Executive Engineer, Electricity Distribution Division-II, DVVNL-Etah submitted the proposal for permission for U/G road crossings of 11KV XLPE Cable alongwith 160mm Dia HDPE Pipe at Ch.197.260, Ch. 203.075, Ch. 211.990 & Ch. 213.110 on NH-34 (Old NH-91 (through HDD Method) in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that the crossing length is proposed 60\*4 i.e. 240Mtr. Further, the depth of 11KV XLPE alongwith 160mm Dia HDPE Pipe below the ROW will be 2.0m to 3.5m.

3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/ 2015/ S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

4. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

**The Project Director,  
National Highways Authority of India  
Project Implementation Unit- Aligarh  
Village- Bhikampur, At Km. 132.400 (RHS) on  
NH-34, Aligarh Bypass, Aligarh -202001 (U.P.)**

Encl: As above.

(Indresh Kumar)  
Project Director

Copy to:

1. Web Admin, NHAI-HQ- with request for uploading on the NHAI website
2. The Technical Director, NIC, Transport Bhawan, New Delhi- with request for uploading on the Ministry's website.
3. Regional Officer (W-UP), NHAI-Lucknow for kind information.
4. Executive Engineer, EDD-II, DVVNL-ETah (U.P.) for information (E-mail: edd2etah@gmail.com).

## CHECK – LIST

**Proposal for permission to 04 nos. U/G Road Crossing of 11 XLPE Cable along with 160mm Dia HDPE Pipe at Ch.197+260, Ch.203+075, Ch.211+990 & Ch.213+110 on NH-34 (Old NH-91) Aligarh – Kanpur Section in the State of Uttar Pradesh.**

### Relevant circulars


- Ministry Circular No. RW/NH/33044/27/2005/S&R(R)(Pt.) dated 07.08.2013.
- Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
- Ministry Circular No. 36094/01/2022-S&R(P&B) dated 17.04.2023.

| S. No. | Item   | Information / Status  | Remarks |
|--------|--|---|---------|
| 1      | General Information  |   |         |
| 1.1    | Name and Address of the Applicant  | <b>Executive Engineer (RDSS Nodal),</b><br>Electricity Distribution Division, DVVNL-Etah (Uttar Pradesh).     |         |
| 1.2    | National Highway Number  | NH-91 (New NH-34)   |         |
| 1.3    | State  | Uttar Pradesh   |         |
| 1.4    | Location   | Near Village-<br>Bhadua, Pilua , Kaseti & Nagla Farid   |         |
| 1.5    | (Chainage in Km.)  | Road Crossing at<br>Ch.197+260, Ch.203+075,<br>Ch.211+990, Ch.213+110   |         |
| 1.6    | Length in Meter  | 60m * 4 = 240   |         |
| 1.7    | Width of available ROW   | 60 Meter  |         |
| 1.8    | Side of NH (left or right side of NH towards increasing Chainage /KM/ Direction) | Road Crossing   |         |
| 1.9    | Highway Administration Address   | Regional Officer,<br>National Highways<br>Authority of India, 3/248,<br>Vishal Khand, Gomti<br>Nagar, Lucknow |         |
| 1.10   | Proposal to acquire land   | N/A   |         |
|        | (a) Left side from center line   |   |         |
|        | (b) Right side from Centre line  |   |         |

  
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**D.V.V.N.L.**  
**EDD-II Etah**



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|      | Services are not being allowed indiscriminately on the parapet/ any part of bridges, Safety of the bridges has to be kept in view while permitting various service along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineer only.  | N/A  |  |
| 1.19 | If crossing of the road involved. If yes, it shall be done by HDD method or through structure or conduits specially built for that purpose of the expenses of the agency owning the line.   | Yes  |  |
|      | (a) Existing drainage structure shall not be allowed to carry the lines.  | Agree                                      |  |
|      | (b) The utility services shall cross the National Highway preferably on a line normal to it or as nearly show as practicable. DVVNL shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to tope of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry. | Yes  |  |
|      | (c) The casing pipe may be installed under the route embankment either by boring or digging a trench. Installation by boring method shall prefer.   | N/A (HDD method used without casing pipe.) |  |
|      | (d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carriage pipe/cable.   | N/A (HDD method used without casing pipe.) |  |
|      | (e) End of the casing/ conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.   | N/A (HDD method used without casing pipe.) |  |
|      | (f) The carrier pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.  | Agreed                                     |  |


  
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|       | (g) The top of the carrier pipe/line should be at least 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts.   | Agreed                         |  |
|       | (h) Crossing shall be done by HDD method specially where   | Crossing by HDD Method         |  |
|       | (i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of waterway along it.   | Agreed                         |  |
| 2     | Documents / Drawing enclosed with the proposal   | Yes, 04 sets of proposal       |  |
| 2.1   | Cross section of trench for open trenching method (is it normal size of 1.2m dept/0.3m wide)   | N/A                            |  |
|       | i) Should not be greater than 60cm wider than the outer diameter of the pipe.  | N/A                            |  |
|       | ii) Location as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center line of the nearest carriageway.  | N/A                            |  |
|       | iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.                        | N/A                            |  |
| 2.2   | Cross section showing the size of pit and location of cable for HDD method   | Shown in the enclosed drawing. |  |
| 2.3   | Strip plan/ Route plan showing Water Supply pipe line/ Electrical cable Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersecting cross drainage work etc. | Strip plan/ Drawing enclosed.  |  |
| 2.4   | Methodology for laying of showing water supply pipe etc.   | N/A                            |  |
| 2.4.1 | Open Trenching method (May be allowed in utility corridor only where perimeter is neither cement concrete type. If yet, Methodology of refilling of trench.  | N/A                            |  |
|       | a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe  | N/A                            |  |

  
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|       | b) For filling of the trench, Bedding shall be to depth of not less than 30cm it shall consist granular material unsuitable soil and rock edge should be excavated and replaced by selected material.   | N/A                                    |  |
|       | c) The back shall be completed two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.  | N/A                                    |  |
|       | d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted. | N/A                                    |  |
|       | e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.  | N/A                                    |  |
|       | f) The excavation shall be protected by flagman, signs and barricades and red-light during night hours.   | Agreed                                 |  |
|       | g) If required, a diversion shall be constructed at the expenses of agency owning the utility line  | Agreed                                 |  |
| 2.4.2 | Horizontal Directional Drilling (HDD) Method  | Yes                                    |  |
| 2.4.3 | Laying of Electric line through CD work and method of laying  | -                                      |  |
|       | (a) The utility services shall cross the National Highway preferably on a line normal to it of as nearly so as practicable and subject to all other stipulation contained in this Ministry's guidelines issued on dated 22.11.2016  | Yes                                    |  |
| 3     | Draft License Agreement signed by to witnesses  | Enclosed                               |  |
| 4     | Performance Bank Guarantee in four of NHA has to be obtained @ Rs..... per running meter, for period one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/ making good the excavated trench for laying the cable by proper   | Shall be submitted, as demanded by NHA |  |


  
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|      | filling and compaction, clearing debris/ loose earth produced due to execution for trenching at least 50 meters away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/ loose earth. |   |  |
| 4.1  | Performance BG as per above is to be obtained.  | Yes   |  |
| 4.2  | Confirmation of BG has been obtained as per NHAI guidelines   | Yes   |  |
| 5    | Affidavit/ Undertaking from the Applicant for   |   |  |
| 5.1  | Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.  | Yes   |  |
| 5.2  | Renewal of Bank Guarantee   | Yes   |  |
| 5.3  | Confirming all standard condition of NHAI guidelines  | Yes   |  |
| 5.4  | Shifting of Electric line as and when required by NHAI at their own cost.   | Yes, it will be carried out if required                         |  |
| 5.5  | Shifting due to widening of NH  | Yes   |  |
| 5.6  | Indemnity against all damages and claims Clause (xxiv)  | Yes   |  |
| 5.7  | Traffic movement during laying/ erection of electric line to be managed by the applicant.   | Yes, the same will be managed at the time of work execution.    |  |
| 5.8  | If any claim raised by the Concessionaire then the same has to be paid by the applicant.  | Yes   |  |
| 5.9  | Prior approval of the NHAI shall be obtained before undertaking any work installation, shifting or repairs or alteration to the showing electric line located in the National Highway right-of-way  | Yes, Necessary permission to be taken before starting the work. |  |
| 5.10 | Expenditure, if any, incurred by NHAI for repairing and damage caused to the National Highway by the laying, maintenance or shifting of the electric line will be borne by the agency owning the line.  | Yes   |  |
| 5.11 | If the NHAI considers it necessary in future to move the utility line for any work of improvement or repair to the road, it will be   | Yes   |  |

  
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|      | carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.  |  |  |
| 5.12 | Certificate from the applicant in the following format  | -  |  |
|      | (i) Laying of electric line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.   | Yes  |  |
|      | (ii) for widening – “We do undertake that I will relocate, service road/ approach road/ utilities at my own cost notwithstanding the permission granted with such time as will be stipulated by NHAI” for future widening or any other development.   | Yes, it will be certified                              |  |
| 6    | Who will sign the agreement   | Executive Engineer<br>(RDSS Nodal),<br>EDD, DVVNL-Etah |  |
| 7    | Certificate from the Project Director   | N/A  |  |
| 7.1  | Certificate for confirming of all standard condition issued vide ministry various circulars   | Enclosed   |  |
| 7.2  | Certificate from PD in the following format:  | Yes  |  |
|      | (i) It is certified that any other location of the Electrical line would be extremely difficult and unreasonable costly and the installation of Electric line within Row will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc.          |  |  |
|      | (ii) For 6 – lanning<br>(a) Where feasibility is available “I do certify that there will be no hindrance to 6 laning based on the feasibility report considering proposed structures at the side location”.<br>(b) In case feasibility report is not available “I do certify that sufficient ROW is available at site for accommodating proposed six laning”. |  |  |
| 8    | If NH section proposed to be taken up by NHAI on BOT basis – a Clause is to be inserted in the alignment. “The permitted Highway on which Licensee has been granted the right of lay  |  |  |

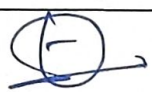
  
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|   | cable/ duct has also been granted as a right of way to the Concessionaire under the Concession Agreement for up-gradation of Ghaziabad – Aligarh Section from Km. 23.600 to Km. 149.900 of NH-34 on BOT basis and therefore, the licensee shall honour the same".            |  |  |
| 9 | Who will supervise the work of Erection/UG crossing of 11KV XLPE Cable ?   | Executive Engineer<br>(RDSS Nodal),<br>Electricity Distribution<br>Division,<br>DVVNL-Etah |  |
|   | Who will ensure that the defects in road portion after Erection of 11 KV XLPE cable U/G with HDPE pipe are correct and if not correct then what action shall be taken.   |  |  |
|   | Who will pay the claims for damages done/disruption in working of Erection of 11 KV XLPE cable U/G road crossing, if asked by the Concessionaire.  |  |  |
|   | A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Performa (copy enclosed) issued vide Ministry Circular No. RW/NH-33044/27/2005/S&R (R)(Pt.) dated 07.08.2013.                                | N/A  |  |
|   | If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/27/2005/S&R (R)(Pt.) dated 07.08.2013) as referred in para 13 above in enclosed or not. | N/A  |  |

The ROW of the National Highway available at the proposed location from the centre line of divided carriageway is 45m from centre of ROW edge of ROW towards proposed electric utility.

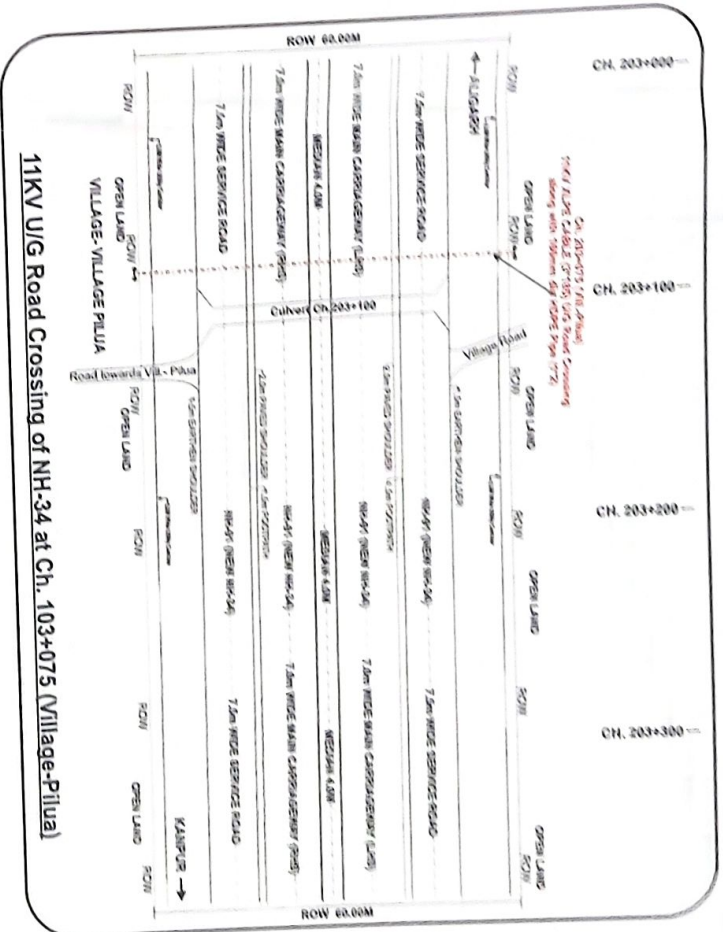
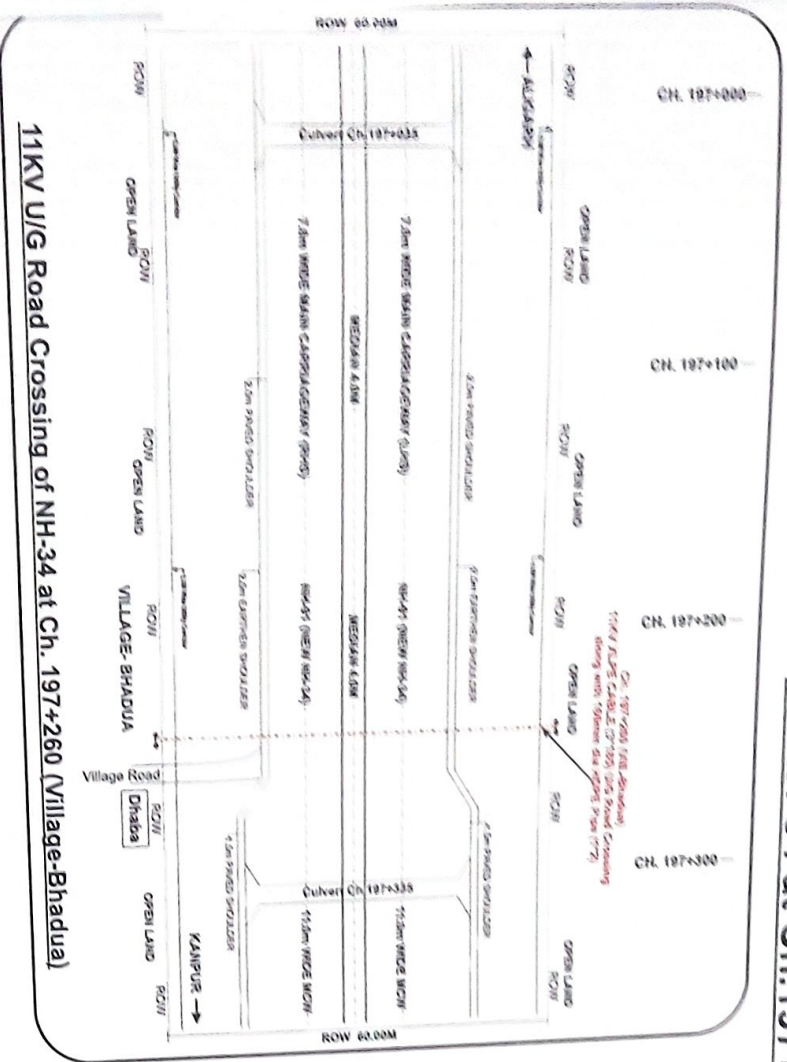
The above particular along with the drawing and document has been verified and certified as cored as per prevailing site condition.

|   |   |
|---|---|
| <br><b>Executive Engineer</b><br><b>(RDSS Nodal),</b><br>Electricity Distribution Division,<br>DVVNL-Etah (Uttar Pradesh). | <b>Project Director,</b><br>National Highway Authority of India,<br>PIU-Aligarh |
|---|---|

  
Executive Engineer  
D.V.V.N.L.  
EDD-II Etah



# **Key Plan/Drawing of 11KV XLPE Road Crossing along with 160mm Dia HDPE Pipe on NH-34 at Ch.197+260 & Ch.203+075**



## **LEGENDS:**

- CROSSING CH. - CH. 197+260 & CH. 203+075
- ROW - RIGHT OF WAY 60M
- 11MD DOUBLE POLE - (00 Nos. in ROW)
- 11KV UNDERGROUND LINE

## **APPLICANT SIGNATURE:**

**EXECUTIVE ENGINEER (RDSS NODAL),**  
Electricity Distribution Division,  
Dakshinanchal Vidyut Vitran Nigam Limited,  
Distt.- Etah (U.P.)

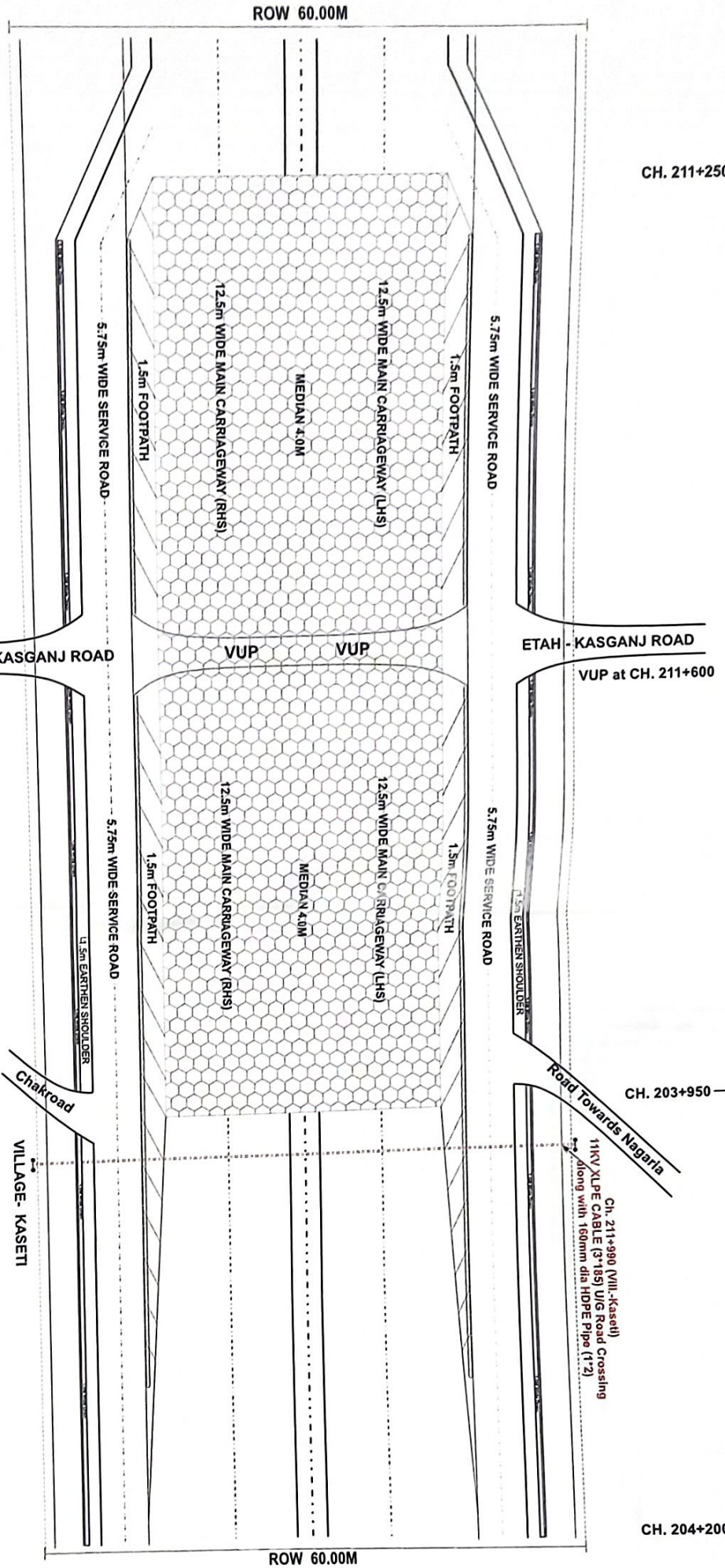
**D.V.V.N.L.**

**EDD-II Etah**



# Key Plan/Drawing of 11KV XLPE Road Crossing along with 160mm Dia HDPE Pipe on NH-34 at Ch.211+990

## 11KV U/G Road Crossing of NH-34 at Ch. 211+990 (Village-Kaseti)



### LEGENDS:

- CROSSING CH. - CH. 211+990
- RIGHT OF WAY 60M -
- ROW -
- 11M DOUBLE POLE - (00 Nos. in ROW)
- 11KV UNDERGROUND LINE -

### APPLICANT SIGNATURE:

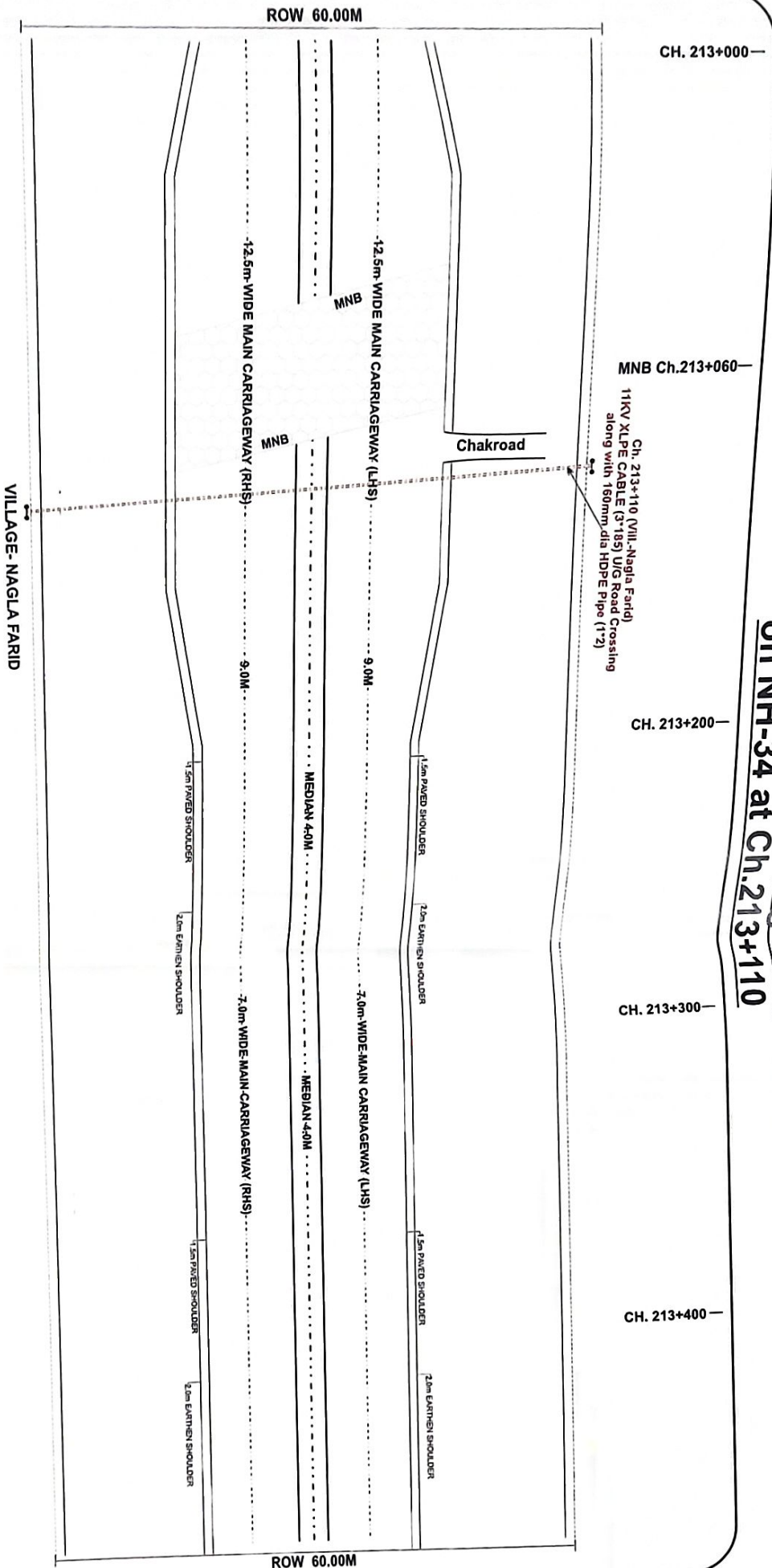
EXECUTIVE ENGINEER (RDSS NODAL),  
Electricity Distribution Division,  
Dakshinanchal Vidyut Vitran Nigam Limited,  
Distt.- Etah (U.P.)





# Key Plan/Drawing of 11KV XLPE Road Crossing along with 160mm Dia HDPE Pipe on NH-34 at Ch.213+110

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## LEGENDS:

- CROSSING CH. - CH. 213+110
- ROW - RIGHT OF WAY 60M
- 11M DOUBLE POLE - (00 Nos. in ROW)
- 11KV UNDERGROUND LINE

## APPLICANT SIGNATURE:

(Signature)

EXECUTIVE ENGINEER (RDSS NODAL),  
Electricity Distribution Division,  
Dakshinanchal Vidyut Vitran Nigam Limited,  
Distt.- Etah (U.P.)

