



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

क्षेत्रीय कार्यालय, उ०प्र० (पूर्व) वाराणसी

Regional Office - U.P. (East), Varanasi

एस- 2/656, ए-3 बी, वरुणा विहार कालोनी, द्वितीय एवं तृतीय तल, वन प्लेस टावर  
(जे०पी० मेहता सीनियर सेकेंडरी स्कूल के पीछे), सिकरौल, वाराणसी-221002 (उ०प्र०)

S-2/656, A-3B, Varuna Vihar Colony, 2nd & 3rd floor, one place Tower  
(Behind J.P. Mehta Sr. Secondary School), Sikraul Varanasi-221002 (U.P.)



दूरभाष/Phone : 91-542-2280243

: 91-542-2280372

ई-मेल/E-mail : rovaranasi1@gmail.com

: rovaransi@nhai.org

वेबसाइट/Website: www.nhai.org

No. 14011/42/RO/UP(E)/2021/3898

Date: 08.02.2021

### Invitation of public comments

Sub.: Proposal for granting Permission for underground laying water supply pipeline (HDPE) from km 12.000 to km 13.825 and crossing by HDD method at km 13.732 on NH-128 (old NH-232), Tanda-Sultanpur Section at Akbarpur & district-Ambedkar Nagar.

The EE, Construction Division, U.P. Jal Nigam-Ambedkar Nagar has submitted proposal through PIU-Raebareli letter No. 20155 dated 28.12.2020, for granting Permission for underground laying water supply pipeline (HDPE) from km 12.000 to km 13.825 and crossing by HDD method at km 13.732 on NH-128 (old NH-232), Tanda-Sultanpur Section at Akbarpur & district-Ambedkar Nagar at subject cited chainages/ stretch through HDD method.

2. From the submitted proposal, it is seen that the utility will be laid along the NH through trenchless (HDD) method and will be laid at the extreme edge of ROW at the depth of minimum 1.65m from surface of road from KM 61.800 to KM 65.300. The width of ROW from centre line at the crossing/laying stretch location is 15 M on either side. In this connection, Executive Engineer, Construction Division, U.P. Jal Nigam-Ambedkar Nagar has undertaken that they will ensure all safety measures while executing the work.

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 Regional Officer, UP-East  
National Highways Authority of India  
S-2/656, A-3B, Varuna Vihar Colony,  
2<sup>nd</sup> & 3<sup>rd</sup> Floor, One Place Tower,  
Sikraul, Varanasi-221002  
email ID: rovaransi@nhai.org

This issue with the approval of Regional Officer.

Encl: As above

(P.K. Srivastava)  
Dy. General Manager (Tech.)

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. Project Director, NHAI, PIU-Raebareli for obtaining final Receipt of Fee Deposition in 'Bharat' Kosh Portal.
4. Executive Engineer, Construction Division, U.P. Jal Nigam-Ambedkar Nagar for information.



**कार्यालय अधिशासी अभियन्ता, निर्माण खण्ड उ०प्र० जल निगम, अम्बेडकरनगर।**

पत्रांक २५१७ / काम-२३ / २०७ दिनांक-०९/११/२०२०

सेवा में,

परियोजना प्रबन्धक PIU,

राष्ट्रीय राजमार्ग प्राधिकरण भारत सरकार,

म०न०-२५७, वार्ड न०-२२, विष्णु नगर,

रायबरेली-२२९००१.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई, रायबरेली  
प्राप्ति संख्या ३२६५१  
फाइल संख्या २०-११-२०२०-  
दिनांक

विषय :-

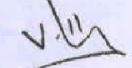
**Proposal for permission for laying u/g of water supply pipe line (HDPE) from Km.12.000 to Km.13.825 and crossing by HDD method at Km.13.732 on NH-128 (Old NH-232), Tanda - Sultanpur Section at Akbarpur & District- Ambedkar Nagar, Uttar Pradesh.**

महोदय,

उपरोक्त विषयक आपके पत्र संख्या 12026/1/NHAI/PIU-Rbly/NOC/2020/19149 Date 31.08.2020 के द्वारा अनापत्ति प्रमाण हेतु रु० 4,95,178.00 लाइसेंस फीस एवं रु० 1,84,700.00 परफार्मेंस सिक्योरिटी बैंक गारण्टी के रूप में धनराशि की मांग की गई है जिसके संदर्भ में लाइसेंस फीस आपके द्वारा उपलब्ध कराये गये Current account of RPAO (NH), MOST, at Syndicate Bank, Hazratganj, Lucknow, Account No. - 85043020000077, IFSC Code - SYNB0008504 में जमा करा दिया गया है जिसका UTR No. UBINH20305289000 Date 31-10-2020 (रसीद की छायाप्रति संलग्न) है तथा रु० 9000.00 परफार्मेंस सिक्योरिटी यूनियन बैंक आफ इण्डिया अकबरपुर अम्बेडकरनगर की बैंक गारण्टी नं० 53760IGL0000520 Date 07-11-2020 मूलरूप में आपको इस अनुरोध कि साथ प्रेषित है कि टाण्डा सुल्तानपुर सेक्शन पर वितरण प्रणाली डालने एवं कासिंग की अनुमति प्रदान करने का कष्ट करें।

संलग्नक :- 1. यू०टी०आर० रसीद की छायाप्रति  
2. बैंक गारण्टी मूलरूप में।

भवदीय



(वकार हुसैन)

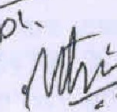
अधिशासी अभियन्ता

पृ०सं० एवं दिनांक उपरोक्तानुसार।

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. मुख्य अभियन्ता (अ०क्षे०) उ०प्र० जल निगम अयोध्या।
2. अधीक्षण अभियन्ता, निर्माण मण्डल उ०प्र० जल निगम अयोध्या।
3. श्री अमन यादव, सहायक अभियन्ता।

अधिशासी अभियन्ता

Sh. Gaurav Pandey  
for n.a.spl.  


26/11/20





कार्यालय - 05271-245002  
मो० नं० - 9473942714

## कार्यालय अधिशासी अभियन्ता, निर्माण खण्ड, उ० प्र० जल निगम, अम्बेडकरनगर

Email ID- [eeupjn.cdambedkarnagar@gmail.com](mailto:eeupjn.cdambedkarnagar@gmail.com)

Letter No. UPJN/13.732/2019-20

301/कर्म-23/29

Dated: 05.02.2020

To

The Project Director,  
NHAI, PIU,  
Rebareli

Sub.: Proposal for permission for laying u/g of water supply pipe line (HDPE) from Km.12.000 to Km.13.825 and crossing by HDD method at Km.13.732 on NH-128 (Old NH-232), Tanda - Sultanpur Section, at Akbarpur & District- Ambedkar Nagar, Uttar Pradesh.

Sir,

We propose to laying/ underground crossing of Pipe Line mentioned above subject. For the purpose of the above we are enclosing herewith the following documents:

1. Signed copy of license deed
  2. Checklist
  3. Annexure 'A' , 'B' & 'C'
  4. Undertakings
  5. Format for maintaining Records of permission granted for laying pipe line
  6. Drawings
  7. Methodology
  8. Affidavit
  9. Index Map
2. The Pipe Line will be cross at minimum depth of 1.65m and we assure you that necessary precautions will be adopted as per Standards & Guidelines during the execution of work.
3. You are requested to kindly accord your approval for the same so that we can lay water supply pipe line along and across of NH as early as possible.

Sincerely Yours,

Encl: 4 Sets

(Vijay Hussain)  
अधिशासी अभियन्ता  
Executive Engineer  
उ० प्र० जल निगम  
Uttar Pradesh Jal Nigam  
अम्बेडकर नगर



## CHECK LIST

**Guidelines for Project Directors for processing the proposal of crossing /laying optical fiber/ HT cables/ Water supply pipe line etc. by private parties in the land along National Highway with NHAI.**

### Relevant circulars

Ministry Circular No. RW/NH-33044/29/2015/S&R (R) Dated 22.11.2016.

Ministry Circular No. RW/NH-33044/27/2005/S&R(R)(Pt.) Dated 06.08.2013

### Check-list for getting approval for crossing/ laying of optical fiber/ HT cables/ Water supply pipe line etc. on NH land

| S. No. | Item   | Information/Status   | Remarks         |
|--------|--|--|-----------------|
| 1.     | General Information  |  |                 |
| 1.1    | Name and Address of the applicant/Agency                                 | Office of the Executive Engineer, Uttar Pradesh Jal Nigam, Construction Division, Ambedkar Nagar |                 |
| 1.2    | National Highway Number  | NH-128 (Old NH-232)  |                 |
| 1.3    | State  | Uttar Pradesh  |                 |
| 1.4    | Location   | Tehsil- Akbarpur & District- Ambedkar Nagar.   |                 |
| 1.5    | (Chainges in KM)   | Laying from Km.12.000 to Km.13.825 & Crossing at Km.13.732                                       |                 |
| 1.6    | Length in Meters   | 30m  |                 |
| 1.7.   | Width of available ROW   |  |                 |
|        | (a) Left side from centre line towards increasing chainage/km direction  | 15m  |                 |
|        | (b) Right side from centre line towards increasing chainage/km direction | 15m  |                 |
| 1.8    | Proposal to lay the pipe line  |  |                 |
|        | (a) Left side from centre line towards increasing chainage/km direction  | Km.12.000 to Km.13.784   | Laying along NH |
|        | (b) Right side from centre line towards increasing chainage/km direction | Km.13.732 to Km.13.825   | Laying along NH |

V.H.  
अधिशारी अभियन्ता  
नर्मण खण्ड 30 प० जल निगम  
अम्बेडकर नगर

*[Signature]*  
A.B.R.  
Phone eng.

प्रबन्धक (सकनाफी)  
प० का० ई०, रायबरेली  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
परियोजना कार्यान्वयन इकाई  
रायबरेली



|      |  |                      |  |
|------|--|----------------------|--|
| 1.9  | Proposal to acquire land   |                      |  |
|      | (a) Left side from centre line.  | Not required         |  |
|      | (b) Right side from centre line.   | Not required         |  |
| 1.10 | Whether proposal is in the same side where land is not to be acquired  | Not required         |  |
|      | If not then where to lay the cable   | Within available ROW |  |
| 1.11 | Details of already laid services, if any, along the proposed route   | No                   |  |
| 1.12 | Number of lanes (2/4/6/8 lanes) existing   | 2-lanes              |  |
| 1.13 | Proposed Number of lanes (2 lanes with paved shoulder/4/6/8 lanes)   | Not proposed         |  |
| 1.14 | Service road existing or not   |                      |  |
|      | If yes then which side   |                      |  |
|      | (a) Left side from centre line.  | Does not exist.      |  |
|      | (b) Right side from centre line.   | Does not exist.      |  |
| 1.15 | Proposed Service Road  |                      |  |
|      | (a) Left side from centre line.  | Not proposed         |  |
|      | (b) Right side from centre line.   | Not proposed         |  |
| 1.16 | Whether proposal to lay cable is after the service road or between the service road and main carriageway   | Extreme edge of RoW  |  |
| 1.17 | The permission for laying OFC / HT cables/ pipe lines shall be considered for approval/rejection   | For approval         |  |
|      | (i) Where the ROW is more than 45m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening.  | Extreme edge of RoW  |  |
|      | (ii) Where land is yet to be acquired for 4-laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4-laning. | Not required         |  |

अधिकाधिक अभियन्ता  
नर्मण सप्लाइ 30 प्रो जल निगम  
भरुडकर नगर

Q. P. B. B. B.  
A. H. B.  
P. H. B. B. B.

प्रबन्धक (तकनीकी) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
स. ० का. ० ई. ०, रायचुरेली (सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
परियोजना निदेशक भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
परियोजना कार्यान्वयन इकाई रायचुरेली



|      |   |  |  |
|------|---|--|--|
|      | (iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5m to 2 m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans. | 2-laning has been completed.             |  |
|      | (iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. Highways in currying through hilly, rolling terrain) the cable shall be laid clear of the drain.   | Plain terrain (Edge of ROW)              |  |
|      | (v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.  | available                                |  |
| 1.18 | Number of applicants of the same stretch.   | Single applicant                         |  |
| 1.19 | Whether the case of multiple licenses.  | Single                                   |  |
| 1.20 | If so furnish a joint implement programmer to lay their respective ducts within stipulated time frame.  | No                                       |  |
| 1.21 | If crossing of the road involved<br>If yes, it shall only be through trench less technology   | Yes, it shall only be through HDD method |  |
| 2.   | Document/drawing enclosed with the proposal.  |  |  |
| 2.1  | Cross section showing the size of trench for open trenching method (Is it normal size of 1.65m deep x0.5m wide)   | Shown in drawing                         |  |
| 2.2  | Cross section showing the size of pit location of cable for HDD method  | NA                                       |  |
| 2.3  | Strip plan / Route Plan showing the OFC/Cable, chainage, width of ROW, important mile stone,  | Shown in drawing                         |  |

✓  
अधिशायी अभियन्ता  
नर्मण खण्ड 30 प्रो जल निगम  
भरवडकर नगर

*Praveen*  
A.H.B  
Praveen eng.

प्रबन्धक (तकनीकी)  
प० का० ई०, रायवरेली  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

*Praveen*  
परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
परियोजना कार्यान्वयन इकाई  
रायवरेली



|       |  |                  |  |
|-------|--|------------------|--|
|       | intersections, cross drainage works etc.   |                  |  |
| 2.4   | Mythology of laying of OFC   | enclosed         |  |
| 2.4.1 | Open trenching method. If, yes, methodology of refilling of trench.  | Trench less      |  |
| 2.4.2 | Horizontal Directional Drilling (HDD) method   | Yes, through HDD |  |
| 2.4.3 | Laying pipe line/cable through CD works and method of, laying (Whether to be hung outside parapet)   | NA               |  |
| 3.    | Draft license agreement signed by two witnesses  | Yes              |  |
| 4.    | Performance Bank Guarantee   |                  |  |
| 5.    | <b>Affidavit/ Undertaking/ from the Applicant for</b>  |                  |  |
| 5.1   | Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.   | Yes, enclosed    |  |
| 5.2   | Renewal of Bank Guarantee.   | NA               |  |
| 5.3   | Confirmation all standard condition of NHAI,s guidelines.  | Yes, enclosed    |  |
| 5.4   | Shifting of pipe line/cable as and when required by NHAI.  | Yes, enclosed    |  |
| 5.5   | Shifting due to 6-laning / widening of NH.   | Yes, enclosed    |  |
| 5.6   | Indemnity against all damages and claims clause (xxiv)   | Yes, enclosed    |  |
| 5.7   | Traffic movement during laying of pipe line/cable to be managed by the applicant   | Yes, enclosed    |  |
| 5.8   | If any claim is raised by the Concessionaries then the same has to be paid by the applicant.   | Yes, enclosed    |  |
| 5.9   | Certificate for 6-laning from the applicant in following format.<br><br>"We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six-laning or any other development." | Yes, enclosed    |  |

*V.L.*  
अधिशायी अभियन्ता  
नर्मण खण्ड 30 प0 जल निगम  
भम्बरकर नगर

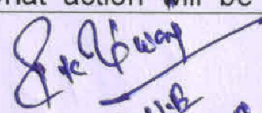
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A.P.B  
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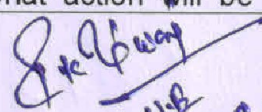
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प्रबन्धक (लॉक-पांसी)  
प0 का0 ई0, रायवरेली  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)


*Rajesh*  
परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
परियोजना कार्यान्वयन इकाई  
रायवरेली

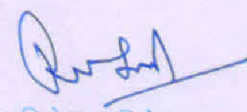


|     |  |  |                     |
|-----|--|--|---------------------|
| 6.  | Affidavit /Power of Attorney in favor of authorized signatory.   | Affidavit enclosed   |                     |
| 7.  | Copy of DOT license  | No, Pipe line  | State Govt. project |
| 8.  | Certificate from the Project Director  | Yes, enclosed  |                     |
| 8.1 | Certificate from confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/27/2005/S&R(R)(Pt.) dated 7/8/2013 & dated 22.11.2016  | Yes  |                     |
| 8.2 | Certificate for 4-laning from PD in the following format   | Already 2-lane   |                     |
|     | (a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6-laning base on the feasibility report considering proposed structure at the said location.  | NA   |                     |
|     | (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodate proposed 6-laning".   | NA   |                     |
| 9   | As per guidelines license fee shall be charged.  | Department will pay fee after issuing demand note  |                     |
| 10  | If NH section proposed to be taken up NHAI on BOT basis –a clause in para 17 to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right of way to the concessionaire under the concession agreement for uo-gradation of [.... <b>Section From Km.....to km .....of NHAI No..... on Build, Operate and Transfer Basis</b> ] | NA   |                     |
| 11  | Who will supervise the work of laying of pipe line/cable   | Office of the Executive Engineer, Uttar Pradesh Jal Nigam, Construction Division, Ambedkar Nagar |                     |
| 12  | Who will ensure that the defects in road portion after laying of pipe line/cable are corrected and if not corrected then what action will be   | Office of the Executive Engineer, Uttar Pradesh Jal Nigam, Construction Division, Ambedkar Nagar |                     |

  
 अधिशाही अभियन्ता  
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 अम्बेडकर नगर

  
 A.H.B.  
 (Plume eng.)

  
 प्रबन्धक (संकेतिकी)  
 प० को० ई०, रायबरेली  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 (सड़क परिवहन एवं राजमार्ग विभाग, भारत सरकार)

  
 परियोजना निदेशक  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 (सड़क परिवहन एवं राजमार्ग विभाग, भारत सरकार)  
 परियोजना कार्यान्वयन इकाई  
 रायबरेली



|    |  |   |  |
|----|--|---|--|
|    | taken.   |   |  |
| 13 | Who will pay the claims for damages' done/disruption in working of concessionaire if asked by the Concessionaire.  | Office of the Executive Engineer, Uttar Pradesh Jal Nigam, Construction Division, Ambedkar Nagar. |  |
| 14 | A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa ( copy enclosed) issued vide Ministry Circular RW/NH-33044/27/2005/S&R(R)(Pt.) Dated 7/8/2013  | Yes   |  |
| 15 | If any previous approval is accorded for laying of pipe line/cable then photocopy if 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 7/8/2013 as referred in para 13 above is enclosed or not. | NA  |  |

*Wk*  
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*Prakash*  
A.B.S.  
Ghane.org.

*h*  
प्रबन्धक (तकनीकी)  
प० का० ई०, रायवरेली  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

*Prakash*  
परियोजना निदेशक  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)  
परियोजना कार्यान्वयन इकाई  
रायवरेली




### Annexure-'A'

Subject: Proposal for permission for laying u/g of water supply pipe line (HDPE) from Km.12.000 to Km.13.825 and crossing by HDD method at Km.13.732 on NH-128 (Old NH-232), Tanda – Sultanpur Section, at Akbarpur & District- Ambedkar Nagar, Uttar Pradesh.


Details regarding laying of water supply pipe line along & across of NH

|   |   |   |  |
|---|---|---|--|
| 1 | a | Name of company asking for permission   | Office of the Executive Engineer, UPJN, Construction Division,                                   |
|   | b | Full address  | Office of the Executive Engineer, Uttar Pradesh Jal Nigam, Construction Division, Ambedkar Nagar |
|   | c | Details and purpose of Crossing/laying the cable  | Crossing and laying the water supply pipe line   |
|   | d | Any other details regarding laying  |  |
|   |   | 1. Distance of propose site from the center of the road at the extreme edge within the boundary | Extreme edge within the boundary   |
|   |   | 2. Whether it is possible to lay propose line or not (Reason)                                   | Yes, possible  |
| 2 |   | Details road alignment where U/G cable/pipe is not laid along the road                          |  |
|   | a | Name of Road  | Tanda – Sultanpur Road   |
|   | b | Category of Road (To be ascertained From K.M. stone road side)                                  | Laying from Km.12.000 to Km.13.825 & Crossing at Km.13.732                                       |
|   | c | Width of the Road   |  |
|   |   | 1. Formation width Measured from Earthen Blank  | 1.0m   |
|   |   | 2. Black Topped carriageway width   | 9.00m  |
|   |   | 3. Road Boundary (ROW)  | 30.00m   |

  
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|   |    |   |  |
|---|----|---|--|
|   |    | 4. Location of cable laying along the roadside or crossing on to be Mentioned   | Tehsil- Akbarpur & District- Ambedkar Nagar. |
| 3 |    | Details to be supplied on along the drawing   | yes  |
| 4 |    | Geographic' s of the cable/ pipe rule   | As per guidelines                            |
|   | 1. | Dimension of cable/ pipe trench   |  |
|   | 2. | Dimension of Cable/HDPE/Protection Pipe   | Laying 1877m long & 30m crossing             |
|   | 3. | Size of optical fiber Telecom Transmission Cable  | NA   |
|   | 4. | Right of Way  | 30.00m                                       |
| 5 | 1. | This is certify that no Govt. Road Land shall be occupied by UP, Jal Nigam, CD, Ambedkar Nagar except for purpose of crossing/laying of water supply pipe line/ HT cable. | Agreed                                       |
|   | 2. | This is to that work shall be in accordance with the Govt. Rules And regular in Force from time and binding to UP, Jal Nigam, CD, Ambedkar Nagar.                         | Agreed                                       |
|   | 3. | This is to certify that all required cost and fees as per rule and regulation of the Govt. will be deposited timely.  | Agreed                                       |

  
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### Annexure-'B'

Information to be furnished along with the proposal for crossing/laying of Telecom cable / OFC cable/ electrical cable / pipe line /ducts etc. at the National Highway/Expressway:

Sub. Pertains to permission for permission for laying u/g of water supply pipe line (HDPE) from Km.12.000 to Km.13.825 and crossing by HDD method at Km.13.732 on NH-128 (Old NH-232), Tanda, – Sultanpur Section, at Akbarpur & District- Ambedkar Nagar, Uttar Pradesh.

|   |  |  |
|---|--|--|
| 1 | Exact location of crossing With Chainage of National Highway And Right-of-Way of NHAI at crossing  | Laying from Km.12.000 to Km.13.825 & Crossing at Km.13.732 |
| 2 | Showing distance of cable/pipe and ROW from centerline of highway in the drawing. (Minimum distance of cable /pipe =1 or 2m inside edge of ROW edge)     | Yes, Shown in attached drawing                             |
| 3 | Methodology of crossing in NH/Expressway by trenchless Technique.  | Yes  |
| 4 | Crossing details: Plan & cross-section drawing showing depth of crossing at a minimum of 1.65 m from existing ground level with sealing at ends of pipe. | Yes, Shown in attached drawing                             |
| 5 | Undertaking that you shall take care of existing service lines have been laid previously.  | Attached undertaking                                       |
|   |  |  |

  
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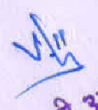


## Annexure-'C'

Conditions for the agencies seeking permission for laying/crossing Telecom cable / OFC cable/ electrical cable / pipe line /ducts etc. on Highway/Expressway that are under NHAI.

**Sub.:** Proposal for permission for laying u/g of water supply pipe line (HDPE) from Km.12.000 to Km.13.825 and crossing by HDD method at Km.13.732 on NH-128 (Old NH-232), Tanda – Sultanpur Section, at Akbarpur & District- Ambedkar Nagar, Uttar Pradesh.

1. The casing pipeline should cross the NH-128 (Old NH-232) at normal to it.
2. Casing pipeline crossing should not be near to the existing structure.
3. For laying casing pipes, horizontal core drilling/boring method should be used crossing by open trenching method will not be permitted.
4. The casing pipe shall be of steel or cemented and concreted and end casing pipe shall be sealed after laying pipeline so its dose not act as darling path.
5. The casing pipe shell is laid underground in full land width of NH-128 (Old NH-232).
6. The top of casing pipeline should be at depth of 1.65 below the surface of road subject to being at last 0.3 your own risk and invert.
7. Any damaging during the crossing of pipe line to existing line (Gas Pipeline, water Supply Line, electric or agency other line) should be got repaired immediately at the agency's own risk and cost.
8. Necessary precaution should be taken to avoid accident during crossing work.
9. Cautionary board where required should be kept on site before starting the work of laying pipes.
10. Prior approval of department shall be obtained before undertaking the work Installation, shifting, repairs or alternating to the utility line location in the NHAI RIGHT-OF-WAY.
11. Before starting the work, prior written information by registration post AD should be given to NHAI.
12. If NHAI consider it necessary in the future to remove the pipeline for any work of Improvement/repairs of road, it will be carried out desired by NHAI at the cost of agency within a responsible time.
13. NHAI does not guarantee the preservation of agencies. Property form any type of damage that may occur due to road work carried out at a later date.
14. If any accident is occur during the execution or completion of work by the agency, the completed responsibility shall be fully on the head of agency.
15. In future, at the time of widening the road or any work of NHAI, the line shall have to be remove / shifted by the agency at their own cost without claim of compensation within 60 days.
16. An agreement in stamp paper of Rs.100/- is required to be made between NHAI and agency before start of work. This shall also include No Claim Certificate.

  
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कार्यालय - 05271-245002  
मो० नं० - 9473942714

# कार्यालय अधिशासी अभियन्ता, निर्माण खण्ड, उ० प्र० जल निगम, अम्बेडकरनगर Email ID- eeupjn.cdambdkarnagar@gmail.com

## Methodology for Crossing of Road by Horizontal Directional Drilling (HDD) Method


1. Non-digging technology is a new technology of underground piping developed in the recent years. Using this technology, we can lay, fix, change and detect the underground pipeline without digging. The technology has the advantages of no damage of environment, no dirt-pollution, no interruption traffic, no break of pavement structure, high laying precision, short working period and high safety of construction.
2. The technology can be widely used for laying, changing and detecting the underground canals, which go through pavements (National Highways/ Roads), railway lines, river lakes, streets and buildings. The available field includes electricity, telecommunication, water supply, sewage, cable TV, ADSL and other piping divisions.
3. Horizontal Directional Drilling (HDD) is a trenchless technology that has the capacity to install a wide variety of pipe materials/ water supply pipe line (HDPE) into the ground. This technique allows for great design flexibility as installation paths, or bore paths, may be curved or straight, with the path changing direction and depth to avoid subsurface obstacle.
4. The water supply pipe line (HDPE) shall be laid as per National Standards. The water supply pipe line (HDPE) will be laid at a minimum cover depth of 1.65m to 2.50 meter through HDD method in order to avoid disruption of traffic and to avoid in convenience to public at large.

Continue 2/

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5. Underground Crossing water supply pipe line (HDPE).
6. Crossing of the water supply pipe line (HDPE) at a depth of 1.65m to 2.50 meter is envisaged for avoiding any kind of disruption to Highways Authority in case of any work as and when desired by the Authority.
7. The crossing of water supply pipe line (HDPE) including testing and commissioning will be carried out by us in accordance with the specifications.
8. Restoration of HDD pit shall be carried out as per its original conditions and after desired settlement of the pit soil.

  
(Vagar Hussain)  
अधिशाली अभियन्ता  
Executive Engineer  
नर्मणा खण्ड जल प्रा. निगम  
Uttar Pradesh Jal Nigam  
पम्पडकर नगर