



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**National Highways Authority of India**  
(Ministry of Road Transport & Highways, Govt. of India)



परियोजना निदेशक का कार्यालय, परियोजना कार्यान्वयन इकाई  
**Office of the Project Director, Project Implementation Unit**

53, बसंत विहार, नौबस्ता, कानपुर - 208021 • 53, Basant Vihar, Naubasta, Kanpur - 208021  
दूरभाष / Phone: (0512)2630154/2630214 • ई-मेल / e-mail: knp@nhai.org

NHAI/13028/PIU/KNP/Km.5+360/NH-31/2024/2594

Dated: 16 Jan. 2024

**Invitation of Public Comments**

**Sub :** Proposal for permission of underground water supply pipeline crossing by HDD method at Km. 5+360 on NH-31 (Raebareli - Unnao) at District - Unnao in the state of Uttar Pradesh.

The office of the Executive Engineer, Khand Karyalay, U.P. Jal Nigam (Grameen), Unnao, has submitted the proposal for crossing of underground water supply pipeline (1700 mm dia.) by HDD method at Km. 5+360 on NH-31 (Raebareli - Unnao) at District - Unnao in the state of Uttar Pradesh.

From the submitted proposal, it is seen that the crossing length is proposed 50.0 m at Km. 5+360 on NH-31. The work of pipeline execution to be carried out through HDD Method with a depth of 1.25 m from the existing ground level. Width of available ROW in LHS & RHS side is 25 m - 25 m from center of NH. The exiting NH is 4-lane divided carriageway.

As per the guidelines, issued by the MoR&H No. RW/NH-33044/29/2015/S&R (R) (dtd. 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 interests).

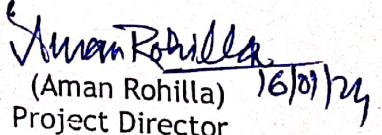
In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

**The Dy. General Manager(Tech.)/ Project Director,**  
**National Highways Authority of India,**  
**Project Implementation Unit,**  
**53, Basant Vihar,**  
**Kanpur - 208021**

This issues with the direction of RO- west (UP)

Encl: As above

Your's faithfully

  
(Aman Rohilla) 16/01/24  
Project Director

Copy to:

1. Regional Officer (West)-UP, NHAI,3/248, Vishal Khand, Gomati Nagar, Lucknow.
2. The web admin, NHAI- HQ- with request for uploading on the NHAI website.
3. The office of the Executive Engineer, Khand Karyalay, U.P. Jal Nigam (Grameen), Unnao. (Urban),



## CHECK LIST

### Guidelines for Project Directors for processing the proposal of crossing / laying optical fiber/ HT cables/ Water 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 water pipe line 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, Khand Karyalay, U.P. JAL Nigam (Grameen), Unnao	
1.2	National Highway Number	NH-31 (Raibareli-Unnao Section)	
1.3	State	Uttar Pradesh	
1.4	Location	District- Unnao	
1.5	(Chainages in KM)	Km.5+360	
1.6	Length in Meters	50m	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	25m	
	(b) Right side from center line towards increasing chainage/km direction	25m	
1.8	Proposal to lay the water pipeline		
	(a) Left side from center line towards increasing chainage/km direction	NA	
	(b) Right side from center line towards increasing chainage/km direction	NA	
1.9	Proposal to acquire land		
	a) Left side from center line.	Not required.	
	b) Right side from center 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.	

अधिसासी अभियन्ता  
खण्ड कार्यालय  
जल निगम (ग्रामीण) बिजाव

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	4-lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulder/4/6/8 lanes)	4-lanes	
1.14	Service road existing or not		
	If yes then which side		
	a) Left side from centre line.	NA	
	b) Right side from centre line.	NA	
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 carriage way	Extreme Edge of RoW	
1.17	The permission for laying OFC / HT cables/ water supply pipe line 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 carriage way 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	
	(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.	4-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)	

अधिसाक्षी अभियन्ता  
खण्ड कार्यालय उ.प्र.  
जल निगम (प्रसिद्ध) उन्नाव

	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 If yes, it shall only be through trench less technology	Yea, 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 x 0.5m wide)	Shown in Drawing.	
2.2	Cross section showing the size of pit location of pipe line for HDD method	NA	
2.3	Strip plan / Route Plan showing the OFC/ pipe line, chainage, width of ROW, important mile stone, intersections, cross drainage works etc.	Show in Drawing.	
2.4	Mythology of laying of pipe line	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 OFC/ HT cable through CD works and method of laying (Whether to be hung outside parapet)	NA	

अधिसासी अभियन्ता  
खण्ड कार्यालय उ.प्र.  
जल निगम (ग्रामीण) वाराणसी

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.	Will be done if necessary	
5.3	Confirmation all standard condition of NHAI guidelines.	Yes, enclosed	
5.4	Shifting of water pipe line 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 water pipe line 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. "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	
6.	Affidavit /Power of Attorney in favor of authorized signatory.	Affidavit enclosed	
7.	Copy of DOT license	No, water pipe line	
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	

अधिसारी अभियन्ता  
खण्ड कार्यालय नम.  
जल निगम (प्राथमिक) अन्नात

8.2	Certificate for 4-laning from PD in the following format	Already 4-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. (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodate proposed 6-laning".	NA  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 NHA 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 concession agreement for the up-gradation of [... Section From Km.....to km .....of NHA No..... on Build, Operate and Transfer Basis]	NA	
11	Who will supervise the work of laying of water pipe line	Office of the Executive Engineer,Khand Karyalay, U.P JAL Nigam (Grameen),Unnao.	
12	Who will ensure that the defects in road portion after lay of water pipe line are corrected and if not corrected then what action will be taken.	Office of the Executive Engineer,Khand Karyalay, U.P JAL Nigam (Grameen),Unnao	
13	Who will pay the claims for damages' done/disruption in working of concessionaire if asked by the concessionaire.	Office of the Executive Engineer,Khand Karyalay, U.P JAL Nigam (Grameen),Unnao	
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-33044/29/2015/S&R(R)(Pt.) Dated 22/11/2016	Yes	

अधिसारी अभियन्ता  
खण्ड कार्यालय ज.प्र.  
जल निगम (ग्रामीण) उ.प्र.

15	If any previous approval is accorded for after lay of water pipe line then photocopy if register of records of permissions accorded as maintained by PD (as per Ministry Circular RW/NH-33044/29/2015/S&R(R)(Pt.) Dated 22.11.2016 as referred in para 13 above is enclosed or not.	NA	
----	---	----	--

अधिसासी अभियन्ता  
खण्ड कार्यालय उ.प्र.  
जल निगम (ग्रामीण) सिन्धुवा

**UTTAR PRADESH JAL NIGAM**  
 OFFICE OF THE PROJECT MANAGER  
 CONSTRUCTION UNIT, U.P. JAL  
 NIGAM, UNNAO.

**SUBJECT**

**U/G OF WATER SUPPLY PIPE LINE FROM  
 CROSSING BY HDD METHOD AT KM.5.360 ON  
 NH-31, UNNAO - RAIBARELI SECTION  
 AT DISTRICT- UNNAO, UTTAR PRADESH.**

AUTHORIZED SIGNATORY

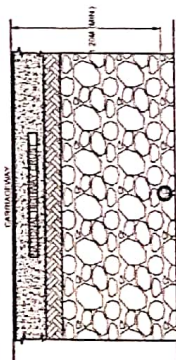
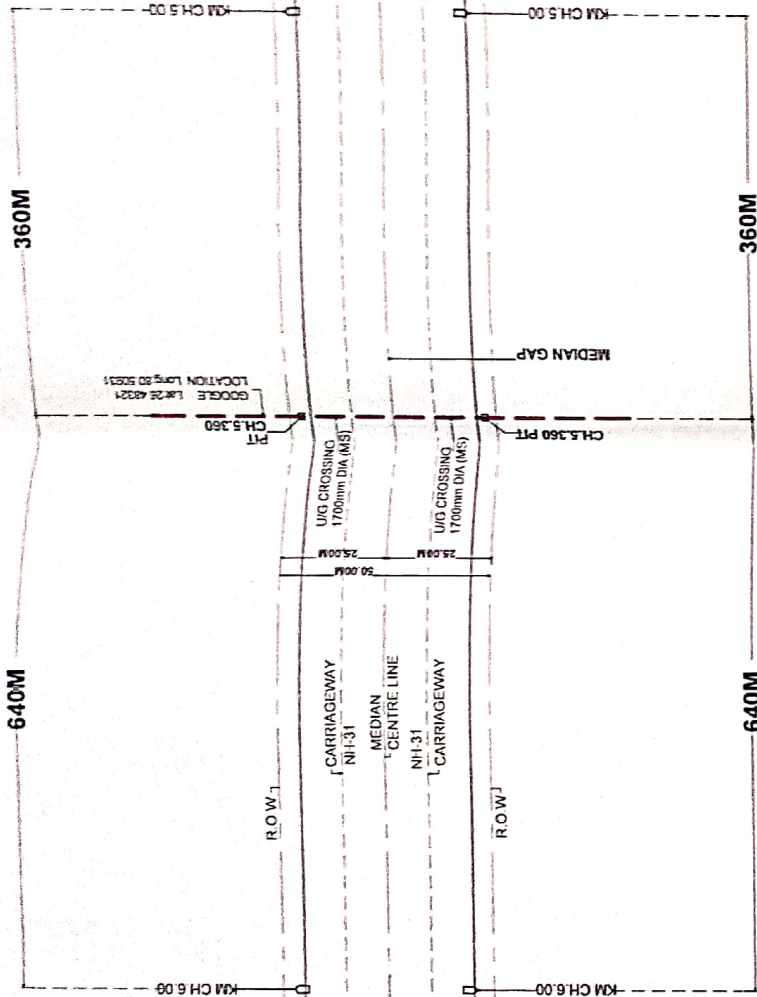
*(Signature)*  
 अतिरिक्त प्रो. प्र.  
 कार्य प्रशासक (नि.नि.) ज.न.

(EXECUTIVE ENGINEER)  
 UTTAR PRADESH JAL NIGAM

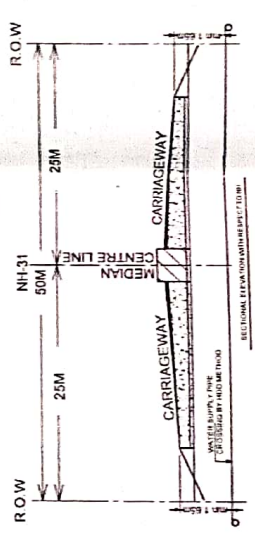
DATE: DEC. 2023 SCALE: 1:1.5 DRG NO. NH-31/KM.5.360-1/2023

*(Signature)*

*(Signature)*  
 J.C.



**SECTION AT 'B' - 'B'**  
 HDD = HORIZONTAL DIRECTIONAL DRILLING



**CROSS SECTION FOR CROSSING THE ROAD**

TOP OF THE ROAD

TOP OF SUBGRAD

CARRIAGEWAY

MEDIAN CENTRE LINE

CARRIAGEWAY

U/G CROSSING BY HDD METHOD

SECTIONAL SECTION WITH RESPECT TO U/G

OVER FILL GRANULAR MATERIAL IN LAYERS NOT GREATER THAN 15 CM IN EACH LAYER

CARRIER PIPE 1450mm Ø MS

15CM SIDE FILL

1.2M (MIN.)

15CM SIDE FILL

15CM BED FILL

(GRANULAR MATERIAL IN LAYERS NOT GREATER THAN 15 CM IN EACH LAYER)

(GRANULAR MATERIAL FREE FROM LUMPS, COLDS AND CABBLES)

- NOTES:-**
- DRAWING HAS BEEN PREPARED AS PER PROPOSED PIPE LINE CROSSING / CIRCULAR NO. 13/04/20/2015/6&R (R) DATED 11-Nov-2018.
  - THE UTILITY SERVICES SHALL BE LOCATED, BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
  - THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 0.6M BELOW THE GROUND LEVEL.

**LEGEND:**

PROPOSED PIPE LINE CROSSING

RIGHT OF WAY

