

Government of India  
Ministry of Road Transport & Highways  
(Chief Engineer - Regional Office, Lucknow)  
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022  
Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 24.06.2025

Invitation of public comments

Sub.: Proposal for the permission for construction of multi Group of villages Water supply Scheme, laying of water pipeline along & across the NHAI, (NH-321) road from Km Ch.06.080 to Ch.07.049, Ch.10.860 to Ch.12.513 (LHS) (Along Length-2622.0m) & Crossing Ch. 06.783, Ch.10.920, Ch. 14.150, (Crossing Length 30.0m) Tehsil - Kiraoli and Kheragarh in District-Agra in the state of Uttar Pradesh. Reg.

Uttar Pradesh Jal Nigam (Rural), Agra has submitted the proposal regarding NOC permission for laying U/G water Pipeline (HDPE Pipe) by HDD Method along/across NH-321 on the subject cited chainage in Tehsil-Kiraoli, Kheragarh, District-Agra in the State of Uttar Pradesh to Executive Engineer, NH Division, PWD, Agra for consideration.

2. The above proposal has been examined in this office in light of Ministry guidelines issued vide OM no.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016 & NH-36094/01/2022-S&R (P&B) dated 24.04.2023. 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).

3. In view of the above, comments of the public on the above application (checklist enclosed) is invited to the below mentioned address:

The Chief Engineer - Regional Officer,  
Ministry of Road Transport & Highways,  
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,  
Vikas Nagar, Lucknow - 226 022.

Encl.: As above.

Yours faithfully,

(Ritesh Yadav)  
Assistant Executive Engineer  
for Chief Engineer - Regional Officer

**Copy to:**

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Chief Engineer (NH), Public Works Department, Nirman Bhavan, 96, M. G. Marg, Lucknow - 226 001.

(Ritesh Yadav)  
Assistant Executive Engineer  
for Chief Engineer - Regional Officer

## CHECK LIST


**Guidelines for Project Directors for processing the proposal for Water Pipe Line in the land along the road and across National Highways vested with NHPWD.**

### Relevant circulars


- 1) Ministry Circular No. NH-41(58)/68dated31.1.1969
- 2) Ministry Circular No. NH-III/P/66/76dated18/19.11.1976
- 3) Ministry Circular No. RW/NH-III/P/66/76dated11.5.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI(ii)dated28.7.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOIdated19.1.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&Rdated25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003S&R(B)dated17.9.2003
- 8) Ministry Circular No. RW/NH-33044/27/2005-S&R(R)dated06.08.2013
- 9) Ministry Circular No. RW/NH-33044/29/2015-S&R(R)dated22.11.2016

### Check list for getting approval for laying of Water Pipe Line on NH land

S. No.	Item	Information/ Status	Remark
1	General Information		
1.1	Name and Address of the Applicant/ Agency	THE EXECUTIVE ENGINEER, Division Office Jal Nigam (Rural) 4/ 4, Sanjay Place, Agra 282002 (U.P.)	
1.2	National Highway Number	NH-321	
1.3	State	Uttar-Pradesh	
1.4	Location	Kiraoli Kagarol Road	
1.5	(Chainage in km)	Along the Road KM Ch. 06+080 to Ch. 07+049 , Ch-10+860 to Ch-12+513 (LHS) (Along Length-2622.0M) & Crossing, CH.- 06+783 , CH.- 10+920 , CH- 14+150 , (Crossing Length 30.0M)	
1.6	Length in Meters	2622 meters	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage / km direction	5.00 meters	
	(b) Right side from center line towards increasing chainage / km direction	5.00 meters	
1.8	Proposal to lay underground Water pipe line.		
	(a) Left side from center line towards increasing chainage /km direction	2622	
	(b) Right side from center line towards increasing chainage / km direction	0	
1.9	Proposal to acquire land	Not Applicable	
	(a) left side from center line		
	(b) Right side from center line		
1.10	Whether proposal is in the same side where land is not to be acquired		
	If not then where to lay the pipe		
1.11	Details of already laid services, If any along the proposed route	YES OFC	
1.12	Number of lanes (2/4/6/8 lanes) existing	2 lane with paved shoulder	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 lane with paved shoulder	
1.14	Service road existing or not	NO	
	If yes then which side		
	(a) Left side from center line	NO	
	(b) Right side from center line	NO	

  
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1.15	Proposed service road	N/A	
	(c) Left side from center line		
	(d) Right side from center line		
1.16	Whether proposal to lay water pipeline is after the service road or between the service road and main carriageway	Extreme Edge of ROW	
1.17	<p>The permission for laying of water pipe line shall be considered for approval rejection based on the ministry circulars mentioned as above.</p> <p>(a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as fumes/gases pipes can accelerate the process of corrosion or may cause explosions thus being much more injurious than leakage of water.</p> <p>(b) carrying of water pipe lines on bridges shall also be discouraged however if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutment in such a manner that in the final arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs, etc.</p> <p>(c). cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities of the ministry's project chief engineers only</p> <p>(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.</p>	<p>Considered for approval based on the ministries circular</p> <p>Yes</p>	
1.18	<p><b>If crossings of the road involved</b></p> <p>If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.</p>	Yes water pipeline shall be crossed in steel casing	
	(a) Existing drainage structures shall not be allowed to carry the lines.	NA	
	(b). Is it on a line normal to NH	YES	
	(c) Crossings shall not be too near the existing structures on the National Highway the minimum distance being 15 meter. What is the distance from the existing structures?	NA	
	(d)The casing pipe (or conduit pipe in the case of pipe line) carrying the utility line shall be or steel cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	YES	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside so that it does not act as a drainage path.	YES	
	(f) The casing/ conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	YES	
	(g) The top of the casing/ conduit pipe should be at least 1.2 meter below the surface of the road subject to being as least 0.3 m below the drain inverts.	YES	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	YES, HDD METHOD	

  
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	(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 a waterway along it.	YES	
2	<b>Documents Drawings enclosed with the proposal</b>	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is is normal size of 1.2m deep x 0.3m wide) (i). Should not be greater than 60 Cm wider than the outer diameter of the pipe (ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-lines of the nearest carriageway. (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. (iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	Yes	
2.2	Cross section showing the size of pit and location of pipe for HDD method.	Yes	
2.3	Strip plan/Route Plan showing water supply pipe line, chain age width of ROW distance of proposed pipe line from the edge of ROW, important mile stone intersection cross drainage works etc.	Yes	
2.4	<b>Methodology for laying of showing water supply pipe line along the road.</b>	Yes (open Trench method)	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes Methodology of refilling of trench	Yes	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe	Yes	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes	
	(c) The backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering 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.	Yes	
	(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.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes	
	(g) If required a diversion shall be constructed at the expense of agency owning the utility line.	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method.	Yes	
2.4.3	Laying of Water Pipe Line through CD works and method of laying.	No	
	Draft License Agreement signed by two witnesses	Yes, enclosed with proposal	

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4.	Performance Bank Guarantee in favour of NHPWD has to be obtained @ Rs100/-, Rs 250/- & Rs500/- per running meter for a period of 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/ducts by proper filling and compaction clearing debris/loose earth produced due to execution of trenching as least 50m away from the edge of the right of way no payment shall be payable by the NHPWD to the licensee for clearing debris/loose earth.	To be obtained.	
4.1	Performance BG as per above is to be obtained.	To be obtained	
4.2	Confirmation of BG has been obtained as per NHPWD guidelines	To be obtained at the time of execution of Agreement.	
5.	Affidavit I Undertaking from the Applicant for	Yes	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHPWD or to the concerned agency	Yes, enclosed with proposal	
5.2	Renewal of Bank Guarantee	Yes, enclosed with proposal	
5.3	Confirming all standard condition NHPWD guideline.	Yes, enclosed with proposal	
5.4	Shifting of Water pipe line as and when required by NHPWD at their own cost.	Yes, enclosed with proposal	
5.5	Shifting due to 4 lanning with paved shoulder / widening of NH	Yes, enclosed with proposal	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes, enclosed with proposal	
5.7	Traffic movement during laying of Water pipe line to be managed by the applicant	Yes, enclosed with proposal	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes, enclosed with proposal	
5.9	Prior approval of the NHPWD shall be obtained before undertaking any work of installation shifting or repairs, or alterations to the showing Water pipe line located in the National highway right-of ways.	Yes, enclosed with proposal	
5.10	Expenditure, if any, incurred by NHPWD for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water pipe line will be borne by the agency owning the line.	Yes, enclosed with proposal	
5.11	If the NHPWD considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHPWD at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation	Yes, enclosed with proposal	
5.12	Certificate from the applicant in the following format (i) Laying of Water pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 4-lanning with paved shoulder "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 NHPWD" for future six-lanning or any other development."	Yes, enclosed with proposal	
6	Who will sign the agreement on behalf of Water pipe line agency?	THE EXECUTIVE ENGINEER, Division Office Jal Nigam (Rural) 4/ 4, Sanjay Place, Agra 282002 (U.P.),	
7	Certificate from the Executive Engineer NHPWD		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular No NH III/P/66/76 dated 18/19.11.1976, Ministry. Circular No.	Yes	

  
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	RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95 S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003, Ministry Circular No. RW/NH 33044/27/2015-S&R (R) dated 06.18.2013 and ministry circular No. RW/NH- 33044/29/2015-S&R (R) dated 22.11.2016.		
7.2	<p>Certificate from PD/EE in the following format</p> <p>(i) "It is certified that any other location of the Water pipe line would be extremely difficult and unreasonable costly and the installation of Water pipe line within ROW will not adversely affect the design, stability Et traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc.</p> <p>(ii) for 4-lanning</p> <p>(a) Where feasibility is available "I do certify that there will be no hindrance to proposed four-laning based on the feasibility report considering proposed structures at the said location".</p> <p>(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed four-laning.</p>	<p>Yes</p> <p>Sufficient ROW is available at site for accommodating proposed Four-lanning</p>	
8.	If NH section proposed to be taken up by NHPWD on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [AGRA-Kanpur] Along the Road from Km.325/042.00 to Km.325/124.00 (RHS) of NH-7 on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same.	NA	
9.	Who will supervise the work of laying of water pipe line		
	(a) On behalf of the applicant	THE EXECUTIVE ENGINEER, Division Office Jal Nigam (Rural) 4/ 4, Sanjay Place, Agra 282002 (U.P.),	
	(b) On behalf of NHPWD	Consultants and relevant field Officers of NHPWD	
10.	Who will ensure that the defects in road portion after laying of Water pipe line are corrected and if not corrected then what action will be taken.	BG will encash. Claim amount will be determined according to the nature and seriousness of damages	
11.	Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire?	The Applicant should pay claims	
12.	A certificate from PD/EE that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Yes.	
13.	If any previous approval is accorded for laying of underground Water pipe line then photocopy of register of records of permissions accorded as maintained by PD/EE then copy be enclosed	Yes.	



  
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