



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

क्षेत्रीय कार्यालय-पश्चिम उ०प्र०, लखनऊ Regional Office - West UP, Lucknow.

3/248, विशाल खण्ड, गोमती नगर, लखनऊ-226010 (उ.प्र.)

3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

दूरभाष / Phone : 0522-4960291, टेलीफैक्स / Fax : 0522-4950680

ई-मेल / E-mail : rowestup@nhai.org, rowestup@gmail.com



19001/1/RO-W-UP/NH-26/Km.42.720 - 56.210/UG/1745

Dated: 08.12.2022

### Invitation of Public Comments

**Sub:** Proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-26 of Jhansi-Lalitpur Section at (Chainage 42.720 to 49.332 km RHS) and (CH.49.332 to 56.210 LHS) and crossing at Ch.46.020, Ch.49.332, Ch.50.670, Ch.52.436, Ch.54.340 and Ch.56.210 (Under Kasedakala - Mau Village Samuh Payjal Yojna) in the State of Uttar Pradesh-reg.

The Authorized Signatory Project Manager, Construction Unit, U.P. Jal Nigam, Lalitpur has submitted the proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-26 of Jhansi-Lalitpur Section at (Chainage 42.720 to 49.332 km RHS) and (CH.49.332 to 56.210 LHS) and crossing at Ch.46.020, Ch.49.332, Ch.50.670, Ch.52.436, Ch.54.340 and Ch.56.210 (Under Kasedakala - Mau Village Samuh Payjal Yojna) in the State of Uttar Pradesh.

2. 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).

3. 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 Chief General Manager cum Regional Officer,  
National Highways Authority of India  
Regional Office, UP-West, Lucknow  
3/248, Vishal Khand, Gomti Nagar  
Lucknow-226 010**

This is issues with the approval of RO-West (UP).

Encl: As above.

(S.K. Sharma)

General Manager (T)

RO-West, UP

#### 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 Manager, Construction Unit, U.P. Jal Nigam, Lalitpur for information.
4. PD, PIU-Kanpur for information.



### CHECK-LIST

Guidelines for project directors for processing the proposal for laying on underground cable pipeline in the land along National Highways vested with NHAI.

#### Relevant circulars of Ministry of Roads Transport and Highways

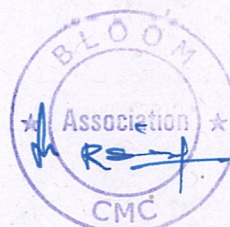
1. Circular No. NH-III/P/66/76 dated 18/19.11.1976.
2. Circular No. RW/NH-III/P/66/76 dated 11.5.1982.
3. Circular No. RW/NH-11037/I/86/DOI (ii) dated 28.7.1993
4. Circular No. RW/NH-11037/I/86/DOI dated 19.1.1995
5. Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
6. Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.9.2003
7. NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guidelines and draft license agreement by private party in the land along National Highway vested with NHAI.


#### Check list for getting approval for laying of underground pipeline for water supply on NH 44 land.

S.No	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	Secretary DWSM (Project Manager UP Jal Nigam Lalitpur), Doda Ghat Talabpura Lalitpur.	
1.2	National Highway Number	44	
1.3	State	UTTAR PRADESH	
1.4	Location	1. Archanwara, Khandi, Ganeshpura, Bandela, Kareela, Targuwan (for trenchless) 2. Jharar to Khandi, Khandi to Targuwan (for along the road)	
1.5	(Chainage in KM)	1. For Trenchless (With road crossing) (46+020, 49+332, 50+670, 52+436, 54+340, 56+210) 2. For Along the road (42+720 to 49+332, 45+640 to 46+210, 46+020 to 46+210, 50+670 to 50+740, 52+436 to 52+506, 49+332 to 56+210, 49+332 to 54+340, 49+332 to 52+436)	
1.6	Length in Meters	22262M	
1.7	Width of available ROW		

  
**Project Manager**  
Construction Unit  
U.P. Jal Nigam, Lalitpur

  
**D.G.M. (Tech.)**  
भा.रा.स.भा. सिविल ऑफिस, झांसी  
NHAI, Site Office, Jhansi



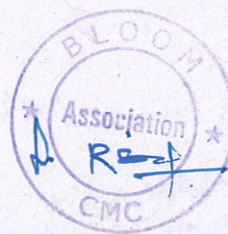
  
**Project Director**  
National Highways Authority of India  
P.I.U., Kanpur



	a) Left side from center line towards increasing chainage/Km direction	30m	
	b) Right side from center line towards increasing chainage/Km direction	30m	
1.8	Proposal to lay underground utility		
	a) Left side from center line towards increasing chainage/Km direction	28+2 m	
	b) Right side from center line towards increasing chainage/Km direction	28+2 m	
1.9	Proposal to acquire land		
	a) Left side from center line	3067.60 SQM (6878*.1+5008*.3+1766*.25+1338*.3+15*(.25+.55+.4+.45+.4))	
	b) Right side from center line	2773 SQM (6612*.4+330*.15+190*.1+70*.11+70*.25+15*(.25+.55+.4+.45+.4))	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	NO	
1.12	Number of existing lanes (2/4/6/8 lanes)	4 Lane	
1.13	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	-	
1.14	Services road existing or not If yes then which side	NO	
	a) Left side from center line		
	b) Right side from center line		
1.15	Proposed service road	NA	
	a) Left side from center line		
	b) Right side from center line		
1.16	Whether proposal to lay underground pipeline is after the service road or between the service road and main carriageway	AFTER SERVICE ROAD	
1.17	Whether carrying underground pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	NO	
1.18	Whether carrying underground pipeline has been proposed on parapet/any part of the bridges. If yes then mention the methodology proposed for the same.	NO	
1.19	If crossing of the road involved		
	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.	YES	
	a) Whether existing drainage structures are allowed to carry underground pipeline	NO	

*Project Manager*  
Construction Unit  
U.P. Jal Nigam, Lalitpur

उपमहाप्रबन्धक (तकनीकी)  
D.G.M. (Tech.)  
भा.रा.रा.भा. राबूट ऑफिस,  
NHAI, Site Office, Jhansi

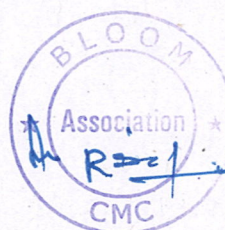




	a) Left side from center line towards increasing chainage/Km direction	30m	
	b) Right side from center line towards increasing chainage/Km direction	30m	
1.8	Proposal to lay underground utility		
	a) Left side from center line towards increasing chainage/Km direction	28+2 m	
	b) Right side from center line towards increasing chainage/Km direction	28+2 m	
1.9	Proposal to acquire land		
	a) Left side from center line	5502.40 SQM (6878m length x 0.8 m width)	
	b) Right side from center line	3967.20 SQM (6612 m length x 0.6 m width)	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	NO	
1.12	Number of existing lanes (2/4/6/8 lanes)	4 Lane	
1.13	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	-	
1.14	Services road existing or not If yes then which side	NO	
	a) Left side from center line		
	b) Right side from center line		
1.15	Proposed service road	NA	
	a) Left side from center line		
	b) Right side from center line		
1.16	Whether proposal to lay underground pipeline is after the service road or between the service road and main carriageway	AFTER SERVICE ROAD	
1.17	Whether carrying underground pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	NO	
1.18	Whether carrying underground pipeline has been proposed on parapet/any part of the bridges. If yes then mention the methodology proposed for the same.	NO	
1.19	<b>If crossing of the road involved</b>		
	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.	YES	
	a) Whether existing drainage structures are allowed to carry underground	NO	

  
**Project Manager**  
 Construction Unit  
 U.P. Jal Nigam, Ltd.

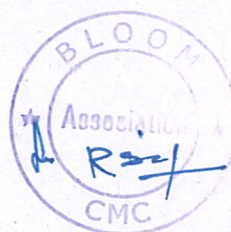
उपमहाप्रबंधक (तकनीकी)  
 D.G.M. (Tech.)  
 भा.रा.रा.भा. सार्वजनिक, झांसी  
 NHAI, Site Office, Jhansi






	pipeline		
	b) Is it on a line normal to NH, if No mention angle of crossing	NORMAL	
	c) What is the distance of crossing the underground pipelines form the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meters.	More than 30mtr	
	d) The casing pipe (or conduit pipe in 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 carrier pie/cable. Mention type of casting	YES, MS PIPE	
	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 the drain to drain in cuts and toe of slope in the fills.	YES	
	g) The top of casing/conduit pipe 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. Mention the proposed details.	YES	
	h) Mention the methodology proposed for the crossing of road for the proposed underground cable pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology] especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	YES	
	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>Document/Drawings to be enclosed with the proposal</b>		
2.1	Cross section showing the size of trench for open trenching method (Is its normal size of 1.2 deep x 0.5m wide)	YES	
	i. Should not be greater than 60cm wider than the outer diameter of the pipe.	YES	


  
**Project Manager**  
**Construction Unit**  
**U.P. Jal Nigam, Lalitpur**  
 उपमहासंचालक (सक्रीय)  
 D.G.M. (Tech.)  
 जल निकाय, ललितपुर  
 NHAI, Site Office, Jhansi

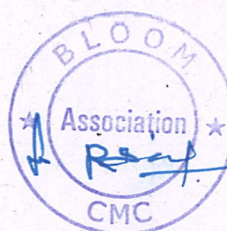




	ii. Located as close to the extreme edge of the right-of-way as possible but not less than 15 meters from the center lines of the nearest carriage way	YES	
	iii. Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges	YES	
	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 cable for HDD method	Attached	
2.3	Alignment plan on project plan & profile showing underground cable pipeline, chainage, width of ROW, distance of proposed underground cable pipeline from the edge of ROW, important milestone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of underground pipeline.	Enclosed	
2.4.1	Open Trenching method. (May be allowed in utility corridor only where pavement is neither cement nor dense bituminous concrete type. IF yes, what is the methodology of refilling of trench?	Horizontal Directional Drilling Methodology (HDD) Trenchless Digging Technology is used for crossing pipe on NH and Trenching method is used for laying pipe along the edge of NH ROW.	
	a) The trench width should be at least 30 cm, but not more than 60cm 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 30cm. 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 edge should be excavated and replaced by selected material.	YES	
	c) The backfill shall be completed in two steps (i) side fill to the level of top to 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	YES	


  
 Project Manager  
 Construction Unit  
 U.P. Jal Nigam, Lalitpur

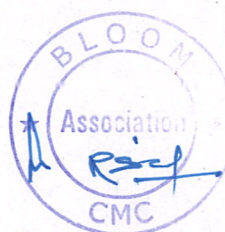
  
 D.G.M. (Tech.)  
 NHAI, Site Office, Jhansi






	consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctors' density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.		
	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 expenses of agency owning the utility line	YES	
2.4.2	Horizontal Directional Drilling (HDD) Method	For crossing across NH	
2.4.3	Methodology for laying of underground cable pipeline through CD works and method of laying. In cases where the carrying of underground cable pipeline on the bridge becomes inescapable.	YES	
3	<b>Draft License Agreement signed by two witnesses</b>		
4	Performance bank guarantee in favor of NHAI had to be obtained @ Rs 50/- per running meter(parallel to NH) and Rs 1,00,000/- per crossing of NH 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 underground cable pipeline ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the license for clearing debris/loose earth. Performance BG as per above is to be obtained	YES	
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines.	YES (Enclosed)	
5	<b>Affidavit/Undertaking from the Applicant for the following are to be furnished.</b>	YES (Enclosed)	
5.1	Not to Damage to other utility, if damaged	YES/ATTACHED	

  
**Project Manager** उपमहासंचालक (सकनीकी)  
**Construction Unit** D.G.M. (Tech.)  
 जिला, प.प्र. नगर, ललितपुर, सीट ऑफिस, जहाज  
**U.P. Jal Nigam, Lalitpur**

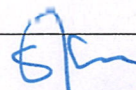




	the pay the losses either to NHAI or to the concerned agency.		
5.2	For renewal of bank guarantee	YES/ATTACHED	
5.3	For confirming all standard condition of Ministry Circulars and NHAI's guidelines.	YES/ATTACHED	
5.4	For shifting of underground cable pipeline as and when required by NHAI at their own cost.	YES/ATTACHED	
5.5	For shifting of underground cable pipeline due to 4/6 leaning Widening of NH	YES/ATTACHED	
5.6	For indemnity against all drainages and claims.	YES/ATTACHED	
5.7	For traffic movement during laying off for shifting of underground cable pipeline due to 4/6 Lanning. Widening of NH pipeline to be managed by the applicant.	YES/ATTACHED	
5.8	If any claim is raised by the Concessionaire the same has to be paid by the applicant.	YES/ATTACHED	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alterations for shifting of underground cable pipeline due to 4/6 Lanning. Widening of NH line/ any other utility located in the National Highway rights-of-way.	YES/ATTACHED	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the underground cable pipeline due to 4/6 Lanning. Widening of line at NH will be borne by the applicant agency owning the line.	YES/ATTACHED	
5.11	If the NHAI 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 NHAI at the cost of the agency owning the utility lien within a reasonable time (not exceeding 60 days) of the Intimation given.	YES/ATTACHED	
5.12	Certificate from the applicant in the following format		
	i. Laying of underground pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	ATTACHED	
	ii. "We do undertake that I will relocate service road/approach road utilities at my own cost notwithstanding the	N. A	

  
**Project Manager**  
**Construction Unit**  
**U.P. Jal Nigam, Lalitpur**

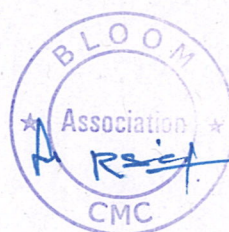


  
**D.G.M. (Tech.)**  
**भा.स.रा.भा. राहट आफिस, झंझार**  
**NHAI, Site Office, Jhansal**



	permission granted within such time as will be stipulated by NHAI" for future four/six Lanning or any other development.		
6	Who will sign the agreement on behalf of Underground pipeline agency?	Secretary DWSM (Project Manager UP Jal Nigam Lalitpur)	
	Power of Attorney to sign the agreement is available or not.	YES (Enclosed)	
7	<b>The project director, will submit the following certificates</b>		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road transport and highways circular No. RWINH-33044/29/2015/S&R(R) dated 22.11.2016	OK	
7.2	Certificate form PD in the following format		
	i. "It is certified that any other location of the underground cable pipeline would be extremely difficult and unreasonable costly and the installation of underground cable pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvement such as widening of the carriageway, easing of curve etc"	OK	
	ii. For 4/6- Lanning		
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed four/six-lanning based on the feasibility report considering proposed structure at the said location"	OK	
	b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed four/six-lanning"	OK	
8	If NH section proposed to be taken up by NHAI 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 pipeline duct has also been granted the right to lay pipeline duct has also been granted as a right of way to the concessionaire under the [----- --section from Km ----- to Km ----- of NH No----- build, operate and transfer basis] and	OK	


*Project Manager  
Construction Unit  
U.P. Jal Nigam, Lalitpur*



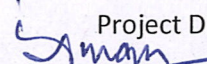
*उपमहाप्रबन्धक (तकनीकी)  
D.G.M. (Tech.)  
भा.रा.श.भा. राहट आफिस, झारखी  
NHAI, Site Office, Jhansi*

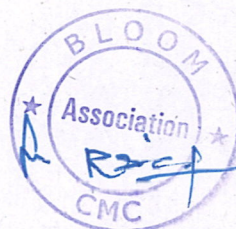


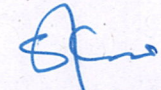
	therefore, the licensee shall honor the same"		
9	Who will supervise the work of laying of underground pipeline		
	a) On behalf of the Applicant	A.E./J.E., UPJN	
	b) On behalf of NHAI	Project Director - NHAI	
10	Who will ensure that the defects in road portion after laying of underground cable pipeline are corrected and if not corrected then what action will be taken		
	a) On behalf of the Applicant	A.E./J.E., UPJN	
	b) On behalf of NHAI	Project Director - NHAI	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire?		
	On behalf of the Applicant	Secretary DWSM (Project Manager UP Jal Nigam Lalitpur)	
12	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)	OK	
13	If any previous approval is accorded for laying of underground cable pipeline, then photocopy of register of records of permissions accorded as maintained by PD the copy is enclosed.	NO	
14	Name of Highway authority of NHAI/PWD/BRO	Project Director NHAI, PIU Kanpur site office Jhansi	
15	Highway Administration address	NHAI, PIU Kanpur site office Jhansi	

  
**Project Manager**  
**Construction Unit**  
**U.P. Jal Nigam, Lalitpur**

Verified by

  
**Project Director**  
**National Highway Authority of India**  
**Project Director**  
**National Highways Authority of India**  
**P.I.U., Kanpur**



  
**उपमहाप्रबन्धक (तकनीकी)**  
**D.G.M. (Tech.)**  
**भा.रा.श.भा. राहट अफिस, जहाना**  
**NHAI, Site Office, Jhansi**