



# 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

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19001/1/RO-W-UP/NH-44/Km.05.900 - 16.720/UG/1477

Dated: 22.07.2022

### Invitation of Public Comments

**Sub:** Proposal for NOC permission for laying of Water pipeline and NH Crossings on NH-26 (New NH-44) Jhansi-Lalitpur Section from km.05+900 to km 16+720 - Project Burpura Group of Villages - Water Supply Scheme, District-Jhansi under SWSM in the State of Uttar Pradesh - reg.

The Authorized Signatory M/s U.P. Jal Nigam has submitted the proposal for for NOC permission for laying of Water pipeline and NH Crossings on NH-26 (New NH-44) Jhansi-Lalitpur Section from km.05+900 to km 16+720 - Project Burpura Group of Villages - Water Supply Scheme, District-Jhansi under SWSM 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)  
For 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. The Authorized Signatory, M/s U.P. Jal Nigam (Gramin), Gwalior Road Jhansi (U.P) for information.
4. PD, PIU-Kanpur for information.

### CHECK LIST

Guidelines for Project Director for processing the proposal for laying water pipeline in the land across National Highway vested with NHAI

1. Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
2. Ministry Circular No. NH/III/P/66/76 Dated 18/19-11-1976
3. Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982
4. Ministry Circular No. RW/NH-11037/1/86-DOI (II) dated 28.07.1993
5. Ministry Circular No. RW/NH-11037/1/86-DOI (II) dated 19.01.1995
6. Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
7. Ministry Circular No. RW/NH- 34066/7/2003 S&R (B) dated 17.09.2003
8. Ministry Circular No. RW/NH- 33044/29/2015/ S&R dated 22.11.2016

Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipeline in the land along NH-44 vested with NHAI.

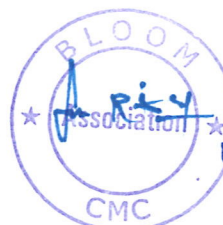
### CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER SUPPLY PIPELINE ON NH-44

Sr.No.	Item	Information/Status	Remarks
1.	General Information	Apply for Permission of laying water pipeline parallel and crossing on NH-44.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Construction Division, UP Jal Nigam, Jhansi (U.P.)	SWSM
1.2	National Highway No.	NH-44	
1.3	State	Uttar Pradesh	
1.4	Location	Jhansi to Lalitpur NH-44	
1.4.a	Location Crossing	On NH-44 Between Ch-38.930 to Ch-38.950 Jhansi- District.	HDD
		On NH-44 Between Ch-36.900 to Ch-36.920 Jhansi- District.	HDD
		On NH-44 Between Ch-25.730 to Ch-25.750 Jhansi- District.	HDD
		On NH-44 Between Ch-24.720 to Ch-24.740 NH-44 of Jhansi- District	HDD
		On NH-44 Between Ch-08.280 to Ch-08.300 Jhansi- District	HDD
		On NH-44 Between Ch-05.280 to Ch-05.300 Jhansi- District	HDD
	Location Along	On NH-44 Between Ch-05.580 to Ch-07.080 Jhansi District	
1.5	Length in meters	Min. 1500 m	
1.6	Chainage in Km	Km. 05+000 to 39+000	

  
Project Director

National Highways Authority of India  
P.I.U., Kanpur

उपनगरप्रमुख (तकनीकी)  
D.G.M. (Tech.)  
भा.स.प.भा. जलद अफिस, जौंसी  
NHAI, Site Office, Jhansi



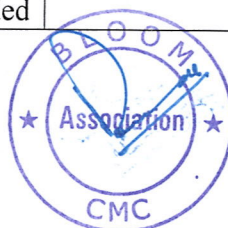
Executive Engineer  
Construction Division  
U.P. Jal Nigam, Jhansi



Sr.No.	Item	Information/Status	Remarks
1.7	Width of Available ROW	-	
	(a) Left side from center line towards increasing chainage / Km direction	30 meter	
	(b) Right side from center line towards increasing chainage / Km direction	30 meter	
1.8	Proposal to lay underground pipeline	As per enclosed, <b>Annexure -I</b>	
	(a) Left side from center line towards increasing chainage / Km direction	30 meter	
	(b) Right side from center line towards increasing chainage / Km direction	30 meter	
	If not then where to lay the cable	N/A	
1.11	Details of already laid services, if any, along the proposed route	NHAI Shall Intimate	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lanes	
1.13	Proposed number of lanes ( 2 lane with paved shoulders/4/6/8 lanes)	4 - lanes with paved shoulders	
1.14	Service road existing or not	YES,	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service Road	N/A	
	(a) Left side from center line	N/A	
	(b) Right side from center line		
1.16	Whether proposal to lay water supply pipeline is after the service road or between the service road and main carriage way	N/A	
1.17	The permission for laying of Water Supply Pipeline shall be considered for approval/ rejection based on the Ministry circulars mentioned as above		
	(a) Carrying of sewerage/ gas pipelines on highway bridges shall not be permitted as Furmes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water	N/A	
	(b) Carrying of water pipelines 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	N/A	

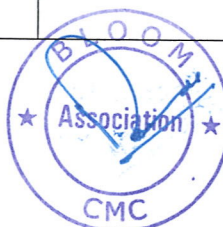
  
 उपमहाप्रबन्धक (तकनीकी)  
 D.G.M. (Tech.)  
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Sr.No.	Item	Information/Status	Remarks
	portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs, etc.		
	(c) Cost of required extension of sub structure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities.	N/A	
	(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 Engineer only.	Yes	
1.18	If crossings 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 owing the line	Yes, encasing of pipeline will be done through MS casing pipe having diameter ranging from 250mm to 500 mm.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes	
	(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?	The proposed crossings will be placed more than 15 Mtr. from structures of NHAI.	
	(d) The casing pipe (or conduit pipe in the case of water pipeline) 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 pipe/cable.	Yes, 250mm to 500 mm diameter MS Casing Pipe of required 6 mm to 10 mm thickness will be used to carry the 500 mm and other dia. DI Carrier 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 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 m below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes	उपमहसंचयक (तकनीकी) D.G.M. (Tech.) भा.रा.स.प्र. साइट ऑफिस, झाँसी NHAI, Site Office, Jhansi

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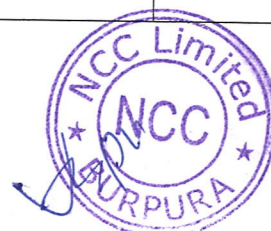
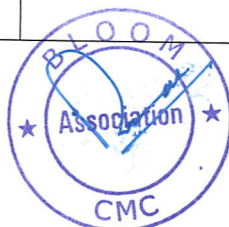


Sr.No.	Item	Information/Status	Remarks
	(h) Mention the methodology proposed for crossing of road for the proposed water pipeline. Crossing shall be by boring method (HDD) (Trench less Technology) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	
2	Document/Drawings enclosed with the proposal	Enclosed	
2.1	Cross-Section showing the size of trench for open trenching method (Is it normal size of 1.2 m deep x 0.3 m wide)	Section of trench Dia. + 1m deep x dia.+ 600mm wide . DI pipeline and others as per enclosed drawing	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe	Yes	
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 1.5 meter from the center lines of the nearest carriageway	Extreme edge of ROW between 15-22m from center line.	
	(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.	No	
	(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	Attachment – "I"	
2.3	Strip plan/ Route plan showing water supply pipeline, chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	The enclosed drawing showing the alignment of pipeline, edge of ROW, important milestone, cross drainage works etc	
2.4	Methodology for laying of showing Water Supply Pipeline	As per enclosed	
2.4.1	Open trenching method. (May be allowed in utility corridor only when pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench.	The pipeline is accommodate in utility corridor & will be executed by Open Trench Method	
	(i) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes	
	(ii) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It		


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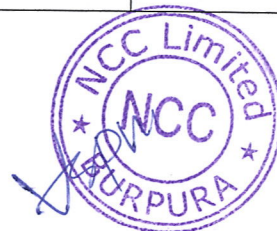
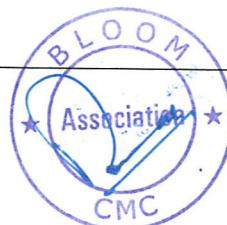
Project Director

National Highways Authority of India



Sr.No.	Item	Information/Status	Remarks
	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 replace by selected material.	Yes Agreed	
	(iii) The backfill shall be completed in two stages (a) side fill to the level of the top of the pipe and (b) overfill to the bottom of the road crust.	Yes Agreed	
	(iv) The side fill consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor 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 Agreed	
	(v) 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 Agreed	
	(vi) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Yes Agreed	
	(vii) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes Agreed	
2.4.2	Horizontal Directional Drilling (HDD) method	For Crossing across NH	
2.4.3	Methodology for Laying of water supply pipeline through CD works and method of laying. In cases where the carrying of water pipeline on the bridge becomes inescapable.	N/A	
3	Draft License Agreement signed by two witnesses License for the use of NH land.	Yes, Enclosed	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ ` 50.0 per running meter (parallel to NH) and ` 100000.00 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 cables/ducts by proper filling and compaction, clearing debris/ loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way.	To be submitted as per instructions of NHAI before commencement of Work.	

  
 उपमहाप्रबन्धक (तकनीकी)  
 D.G.M. (Tech.)  
 भा.रा.स.प्र. साइट कार्यालय, झांसी  
 NHAI, Site Office, Jhansi



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 उमप्रो जल निगम, झांसी।

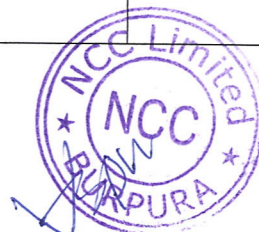
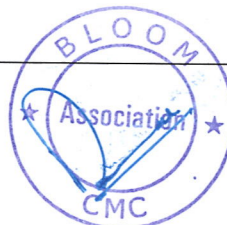
  
 Project Director



Sr.No.	Item	Information/Status	Remarks
	No payment shall be payable by the NHAI to the licensee for clearing debris/ loose earth.		
4.1	Confirmation of BG has been obtained as per NHAI guidelines.	Yes	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished		
5.1	Not to damage to other utility, if damaged then to pay the losses to either NHAI or to the concerned agency.	Yes, Enclosed	
5.2	For renewal of Bank Guarantee		
5.3	For confirming all standard condition of NHAI guidelines.	Yes	
5.4	Shifting of water supply pipelines as and when required by NHAI at their own cost. Shifting due to 6 laning/ widening of NH.	Yes	
5.5	For shifting of water pipeline due Six leneing/widening of NHAI	Yes	
5.6	For Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	For Traffic movement during laying of water supply pipeline to be managed by the applicant	As pipeline shall be laid through HDD method, therefore where will not be any hindrance to the existing traffic.	
5.8	If any claim is 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 of installation, shifting or repairs, or alterations to the showing Water Supply Pipeline located in the National Highway Right of ways.	Yes,	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water Supply pipeline 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 repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes,	
5.12	Certificate from the applicant in the following format		

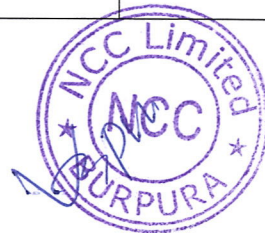
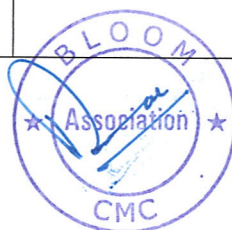
  
 उपमहाप्रबन्धक (तकनीकी)  
 D.G.M. (Tech.)  
 भा.रा.रा.प्रा. सड़क आफिस, झांसी  
 NHAI Site Office: Jhansi

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	(i) Laying of Water Supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.		
	(ii) For 4 laning “ We do undertake that I will relocate service road/ approach road/ utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI” for future six-laning or any other development.”		
6	Who will sign the agreement on behalf of Water Supply Pipe Line agency	Excutive Engineer, Construction Divlslon, Jhansi (U.P.)	SWSM
	Power of Attorney to sign the agreement is available or not.	Yes	
7	The Project Director, will submit the following Certificate.		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry circular No. NH-III/P/66/758 A dated 11.05.1982, Ministry circular no. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry circular no. RW/NH-11037/1/86/DOI dated 19.01.1995, 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 17.09.2003	(Yes/ No)	
7.2	Certificate from PD in the following format	(Yes/No)	
	(i) “ It is certified that any other location of the water supply pipeline would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway the likely future improvement such as widening of the carriage way, easing of curve etc.”		
	(ii) for 6 –laning		
	(a) Where feasibility is available “ I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location”		

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Project Director



Sr.No.	Item	Information/Status	Remarks
	(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 the 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 cable /duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [.....section from Km..... to Km..... of NH No.-..... on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same"	Yes	
9	Who will supervise the work of laying of Water Supply Pipeline.		SWSM
	(a) On behalf of the applicant	Executive Engineer, Construction Division, , Jhansi (U.P.)	
	(b) On behalf of the NHAI	Project Director - NHAI	
10	Who will ensure that the defects in road portion after laying of Water Supply Pipeline are corrected and if not corrected then what action will be taken.	As already given in the agreement clause at para (viii)	
	(a) On behalf of the applicant	Executive Engineer, Construction Division, , Jhansi (U.P.)	
	(b) On behalf of the NHAI	Project Director - NHAI	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire	Executive Engineer, Construction Division, Jhansi (U.P.)	SWSM
	(a) On behalf of the applicant	Executive Engineer, Construction Division, , Jhansi (U.P.)	
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)		
13	If any previous approval is accorded for laying of underground water supply pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

उपनिर्देशक (सहायक)  
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NHAI, Site Office, Jhansi

अधिशायी अभियन्ता  
निर्माण खण्ड  
उपनिर्देशक (सहायक), झांसी  
Executive Engineer,  
Construction Division,  
UP Jal Nigam, Jhansi (U.P.)

Project Director  
National Highways Authority of India  
P.U., Kanour

Signature of Project Director

