



सत्यमेव जयते

# 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-25/Km.1438.600 - 1463.500/UG/1609

Dated: 13.09.2022

### Invitation of Public Comments

**Sub:** Proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-25 of Jhansi-Orai Section at (Chainage 1438.600 - 1463.500) LHS/RHS from Village-Barthari to Sesa - Under Jal Jeevan Mission (Barthari Village Samuh Payjal Yojna) approx Km.25.300 - reg.

The Authorized Signatory Executive Engineer, U.P. Jal Nigam (Rural), Gwalior Road, Civil Lines Jhansi (U.P.) has submitted the proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-25 of Jhansi-Orai Section at (Chainage 1438.600 - 1463.500) LHS/RHS from Village-Barthari to Sesa - Under Jal Jeevan Mission (Barthari Village Samuh Payjal Yojna) approx Km.25.300 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. Executive Engineer, U.P. Jal Nigam (Rural), Gwalior Road, Civil Lines Jhansi (U.P.) for information.
4. PD, PIU-Kanpur for information.



## CHECK LIST

**Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipeline in the land along NH-27 vested with NHAI.**

### CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER SUPPLY PIPELINE ON NH-27

S.No.	Item	Information/Status	Remarks
1.	General Information	Permission for laying water pipeline parallel and across the NH-27.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Divisional Office, UP-Jal Nigam, (Rural) Jhansi (U.P.)	
1.2	National Highway No.	NH-27	
1.3	State	Uttar Pradesh	
1.4	Location	Jhansi To Kanpur section	
1.5	Chainage in Km	Jhansi To Kanpur section as per <b>Annexure 'I' &amp; II</b>	
1.6	Length in m	Jhansi To Kanpur section, Left Side of NH-16.5 km } <b>25.30 Km</b> Right Side of NH-8.8 km. Crossing -4 Nos.	<i>F 11/8/22</i>
1.7	Width of Available ROW	ROW-45 to 60	
	(a) Left side from center line towards increasing chainage / Km direction	-----Do-----	
	(b) Right side from center line towards increasing chainage / Km direction	-----Do-----	
1.8	Proposal to lay underground pipeline	As per enclosed <b>Annexure "I &amp; II"</b>	
	(a) Left side from center line towards increasing chainage / Km direction	Total Length-16.5 Km, Annexure -II	
	(b) Right side from center line towards increasing chainage/ Km direction	Total Length-8.8 Km, Annexure -II	
1.9	Proposal to acquire land	N/A	
	(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	N/A	
	If not then where to lay the cable	-	
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	4 Lanes with paved shoulders.	



Asstt. Highway Maintenance Engineer  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

**Team Leader**  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

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**(रणविजय सिंह)**  
अधिसारी अभियंता  
निर्माण खण्ड  
उ०प्र० जल निगम, झांसी।  
National Highway Project Director  
Highways Autho  
P.I.U., Kanpur



S.No.	Item	Information/Status	Remarks
	shoulders/4/6/8 lanes)		
1.14	Service road existing or not	YES,	
	If yes then which side		
	(a) Left side from center line	Yes	
	(b) Right side from center line	Yes	
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	No, At Extreme edge of ROW varies from 45mt to 60mt. After service road extreme edge of ROW only	P-11/12/22
1.17	The permission for laying of Water Supply Pipeline shall be considered for approval/ rejection based on the Ministry circulars mentioned as above	YES	
	(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 portions of piers and abutments 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.	N/A	
	(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.	N/A YES	उपमहाप्रबन्धक (तकनीकी) D.G.M. (Tech.) भा.रा.रा.प्रा. साईट आफिस, झंसी NHAI, Site Office, Jhansi
1.18	If crossings of the road involved	Yes	



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Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

Team Leader

Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

(रणविजय सिंह)  
अधिसासी अभियन्ता  
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	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 800 mm.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	<del>N/A</del> 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?	Complied YES Minimum distance 15 mt from the structures.	
	(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 800 mm diameter MS Casing Pipe of required 6 mm to 10 mm thickness will be used to carry the 50 mm to 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	
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete pipe.	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 water way along it.	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	



Asstt. Highway Maintenance Engineer  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

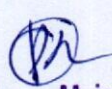
Team Leader  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

(रणविजय सिंह)  
अधिशायी अभियन्ता  
निर्माण खण्ड  
उ०प्र० जल निगम, झाँसी

उपमहाप्रबन्धक (तकनीकी)  
D.G.M. (Tech.)  
वा.रा.रा.वा. राइटर ऑफिस, झाँसी  
NHAI, Site Office, Jhansi

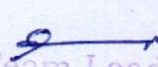


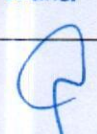
S.No.	Item	Information/Status	Remarks
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 1.5 meter from the center lines of the nearest carriageway	Extreme edge of ROW	only extreme edge of ROW i.e 22m to 23m 5/2
	(iii) Shall not be permitted to run along the 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	Annexure 'III'	
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 Annexure 'VII'	
2.4	Methodology for laying of showing Water Supply Pipeline	Annexure 'VIII'	
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 accommodated in utility corridor & will be executed by Open Trench Method	
	(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.	As per Cross Section	
	Unsuitable soil and rock edged should be excavated and replace 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	

  
 Asstt. Highway Maintenance Engineer  
 Lion Engineering Consultants Pvt. Ltd.  
 Jhansi-Orai Section, NH-27

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



  
 Team Leader  
 Lion Engineering Consultants Pvt. Ltd.  
 Jhansi-Orai Section, NH-27

  
 (रणविजय सिंह)  
 अधिशासी अभियन्ता  
 निर्माण शाखा  
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	(d) 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	
	(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.	N/A 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.	N/A	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	
2.4.3	Laying of water supply pipeline through CD works and method of laying	H.D.D. Method	
	(a) On approaches, the water mains/cables shall be carried along a line as close to the edge of the right-of way as possible up to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter no. NH-	Yes	
3	Draft License Agreement signed by two witnesses	Yes in Annexure 'IX'	
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. No payment shall be payable by the NHAI to the licensee for clearing debris/ loose earth.	To be submitted as per instructions of NHAI before commencement of Work.	



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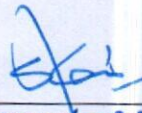
Team Leader

Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

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

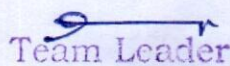
(रणविजय सिंह)  
अधिकांशी अभियन्ता  
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4.1	Performance BG as per above is to be obtained		
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes	
5	<b>Affidavit/ Undertaking from the Applicant for</b>		
5.1	Not to damage to other utility, if damaged then to pay the losses to either NHAI or to the concerned agency.	Yes, Enclosed	
5.2	Renewal of Bank Guarantee	Yes,.	
5.3	Confirming all standard condition of NHAI guidelines	Yes, Annexure III	
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, Enclosed at page no.....	
5.5	Indemnity against all damages and claims clause (xxiv)	Yes	
5.6	Traffic movement during laying of water supply pipeline to be managed by the applicant	Yes, Enclosed at page no.	
5.7	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes, Enclosed at page no.	
5.8	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, Enclosed at page no.	
5.9	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, Enclosed at page no.	
5.10	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,	
5.11	Certificate from the applicant in the following format	 उपमहानिरीक्षक (तकनीकी) D.G.M. (Tech.) भा.रा.प्र. साइट ऑफिस, झांसी NHAI, Site Office, Jhansi	



Asstt. Highway Maintenance Engineer  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Drai Section, NH-27

  
Team Leader

Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Drai Section, NH-27

  
(रघुविजय सिंह)  
अधिशाली अभियन्ता  
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S.No.	Item	Information/Status	Remarks
	(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	Executive Engineer, Divisional office, UP Jal Nigam(Rural), Jhansi (U.P.)	
7	Certificate from the Project Director		
7.1	Certificate 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 laning based on the feasibility report considering proposed structures at the said location"		
	(b) In case feasibility report is not available " I do certify that sufficient ROW is available at		



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Jhansi-Orai Section, NH-27  
Team Leader  
Lion Engineering Consultants Pvt. Ltd,  
Jhansi-Orai Section, NH-27

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

(रणविजय सिंह)  
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S.No.	Item	Information/Status	Remarks
	site for accommodating proposed six-lanning"		
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"		
9	Who will supervise the work of laying of Water Supply Pipeline	Executive Engineer, Divisional office UP Jal Nigam (Rural), Jhansi (U.P.)	
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)	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire?	Executive Engineer, Divisional office UP Jal Nigam (Rural), 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	

(रणविजय सिंह)  
अधिसासी अभियन्ता  
निर्माण विभाग,  
उपमहानगर, जहान  
Executive Engineer,  
Construction Division,  
UP Jal Nigam, Jhansi (U.P.)

Asstt. Highway Maintenance Engineer  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

Signature of Project Director

Team Leader  
Lion Engineering Consultants Pvt. Ltd.  
Jhansi-Orai Section, NH-27

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

उपमहानगर (तकनीकी)  
D.G.M. (Tech.)  
भा.रा.रा.सा. साइट ऑफिस, जहान  
NHAI, Site Office, Jhansi

