



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

### क्षेत्रीय कार्यालय/REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, रानी कमलापती रेल्वे स्टेशन के पास, भोपाल-462 016 (म.प्र.)

E-2/167, Arera Colony, Near Rani Kamlapati Railway Station, Bhopal-462 016 (M.P.)

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org



सत्यमेव जयते



NHAI/RO-MP/UJN/Water pipeline/2022/47485

Date: 29.08.2022

### Invitation of Public Comments

**Sub:** Proposal for permission for crossing and laying of Water Supply Pipeline 200mm dia along & across the NHAI road for 4-lane of Ujjain-Badnawar section of NH-752D in the State of MP-**Permission for crossing & laying of Water Pipeline 200mm dia along & across the NH-752D Ujjain-Badnawar section-Reg.**

**Ref:** (i) PD, PIU-Ujjain letter no. NHAI/PIU-UJN/UB/NH-752D//2022/1325 dated 22.08.2022.  
(ii) General Manager, MPJNM, Indore letter no. 2024 dated 19.07.2022.

The Project Director, PIU-Ujjain NHAI vide their letter dated 22.08.2022 has submitted the **Proposal for permission for crossing and laying of Water Supply Pipeline 200mm dia along & across the NHAI road for 4-lane of Ujjain-Badnawar section of NH-752D in the State of MP.**

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for **30 days** on ground of public interest.

3. In view of the above, the comments of public are invited on captioned proposal (copy of application is enclosed) and the same should reach to below mentioned address till 29.09.2022 beyond which no comments will be considered.

The Highway Administrator  
O/o Regional Officer  
National Highways Authority of India  
E-2/167, Arera Colony  
Near Habibganj Railway Station  
Bhopal (MP)-462016  
E-mail ID: robhopal@nhai.org

This issues with the approval of Regional Officer Cum Highway Administration.

29/08/2022  
(Manoj Kumar Jain)  
Manager (T)

### Copy to:

- Web Admin, NHAI-HQ with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHAI, PIU-Ujjain (MP) for information please.
- The General Manager, MPJNM, Indore (MP) for information please.



## CHECK – LIST

Guidelines for Project Directors for processing the proposal of laying water pipeline for Madhya Pradesh Jal Nigam Maryadit PIU Indore across National Highways vested with NHAI in trench less.

### Relevant Circulars

1) Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016

#### Check list for getting approval for laying of MS pipeline across NH 752 D land.

The permission for laying of MS Pipe Line shall be considered for approval/rejection based on the Ministry Circulars mentioned as above.

(a) Carrying of sewage /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.

(b) 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 the bridge.

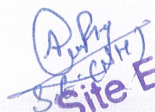
Sl. NO	Item	Information/Status	Remarks
1	General Information	Yes Attached	ANNEXURE-I
1.1	Name and Address of the Applicant/Agency	The General Manager, PIU MPJNM Building No.01, Narmada Project, Musakhedi, Indore (M.P.)452001	
1.2	National Highway Number	NH – 752 D (Ujjain to Badnawar Section)	
1.3	State	Madhya Pradesh	
1.4	Location	NH – 752 D, Villages - Panchkwasa. Taluka - Badnawar, District – Dhar. MP	
1.5	(Chainage in km)	87+723	
1.6	Length in Meters	107 m	Along the road
1.7	Width of available ROW	60 m	
	(a) Left side from center line towards increasing chainage/km direction	43 m (Ch. 87+723)	
	(b) Right side from center line towards increasing chainage/ km direction	33 m (Ch. 87+723)	
1.8	Proposal to lay underground Pipeline		
	(a) Left side from center line towards increasing chainage/km direction.	43 m (Ch. 87+723)	Along the road by trenching
	(b) Right side from center line towards increasing chainage/km direction.	33 m (Ch. 87+723)	Along the road by trenching

*Arby*  
Site Engineer  
NHAI, PIU Ujjain

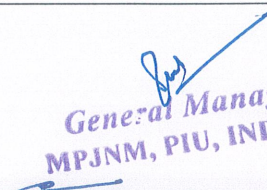
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General Manager  
MPJNM, PIU, INDORE



1.9	Proposal to acquire land		
	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the pipeline.	Perpendicular crossing by trenchless technology	
1.11	Details of already laid services, If any, along the proposed route	NIL	
1.12	Number of existing lanes (2/4/6/8 lanes)	2 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4 lanes with paved shoulders	
1.14	Service road existing or not	No	
	If yes then which side	-	
	(a) Left side from centre line	-	
	(b) Right side from centre line	-	
1.15	Proposed service road	NA	Slip road proposed
	(a) Left side from center line	-	
	(b) 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	In main carriageway perpendicular crossing by trenchless technology	
1.17	Whether carrying of sewage/gas pipeline has been proposed on highway bridges. If yes, then mention the methodology proposed for the same.	No	
1.18	Whether carrying of sewage/gas pipeline has been proposed on the parapet/any part of the bridges If yes, then mention the methodology proposed for the same.	No	
1.18	<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 Mild Steel Carrier Pipe Through HDD method	
	(a) Whether existing drainage structures are allowed to carry water pipeline	No	
	(b) Is it on a line normal to NH	Yes	

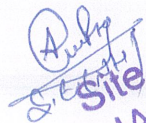
  
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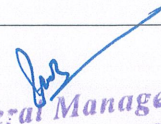
  
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	(c) What is the distance of crossing the water pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meters.	LVUP at Ch. 87+350 Box culvert at 87+950	
	(d) The casing pipe (or conduit pipe in the case of electric / OFC 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 pipe/cable. Mention type of casing.	Yes Mild Steel Casing Pipe Through HDD method	
	(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 in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	Yes	
	(h) Mention the methodology proposed for crossing the road for the proposed sewage/gas pipeline. Crossing shall be by boring method (HDD) [Trenchless Technology], especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD, Trenchless Technology (Methodology enclosed)	
	(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	Document / Drawings to be enclosed with the proposal.	Yes	
2.1	Cross-section showing the size of the trench for the open trenching method (Is it a normal size of 1.2m deep X 0.3m wide)	Yes	Along the roadside only

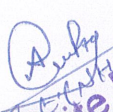
  
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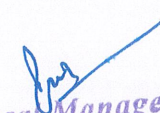
  
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	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	Yes	
	(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.	Yes	
	(iii) 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.	Yes	
2.3	Strip plan/ Route plan showing utility line, Chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for laying of Gas pipe line.	NA	
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, what is the Methodology of refilling of trench.	NA	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(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	NA	

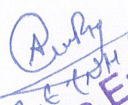
  
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 General Manager  
 MPJNM, PIU, INDORE



	edged should be excavated and replaced by selected material.		
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's 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.	NA	
	(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.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for laying of water Pipe Line through CD works and method of laying. In cases where the carrying of gas pipeline on the bridge becomes inescapable.	NA	
3	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work ) as security for ensuring/making good the excavated trench for laying the Gas pipeline with OFC /ducts by proper filling and compaction,	M/s LCC Projects Pvt. Ltd will pay Bank Guarantee as and when intimated by NHAI on the behalf of Jal Nigam	

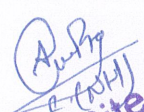
  
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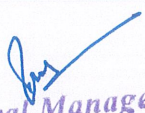
  
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	clearing Debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris /loose earth. Performance BG as per above is to be obtained.		
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines	Yes	
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished.</b>		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency	Yes	
5.2	For Renewal of Bank Guarantee	Yes	
5.3	For Confirming all standard conditions of Ministry Circulars and NHAI's guideline	Yes	
5.4	For Shifting of water pipe line as and when required by NHAI at their own cost	Yes	
5.5	For Shifting of water pipeline due to widening of NH	Yes	
5.6	For Indemnity against all damages and claims	Yes	
5.7	For Traffic movement during the laying of the Water pipeline to be managed by the applicant.	Yes	
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 if installation, shifting or repairs, or alterations to the water pipeline/any other utility 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 pipe line will be borne by the applicant agency owning the line.	Yes	
5.11	If the NHAI considers it necessary in the future to move	Yes	

  
 Site Engineer  
 NHAI, PIU Ujjain



  
 General Manager  
 MPJNM, PIU, INDORE



	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 line within a reasonable time (not exceeding 60 days) of the intimation given.		
5.12	Certificate from the applicant in the following format		
	(i) Laying of the pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes	
	(ii) "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-lanning or any other development."	Yes	
6	Who will sign the agreement on behalf of pipe line agency?	General Manager, PIU Indore, MPJNM, MP.	
	Power of Attorney to sign the agreement is available or not	NA	
7	<b>The Project Director, will submit the following Certificates.</b>		
7.1	Certificate for proposal for confirming all standard condition-issued vide Ministry of Road Transport and Highways Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016		
7.2	Certificate from PD in the following format		
	(i) "It is certified that any other location of the Gas pipeline would be extremely difficult and unreasonable costly and the installation of Gas pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve, etc".		
	(ii) for 6-laning		

*Suby*  
*S. K. Singh*  
**Site Engineer**  
**NHAI, PIU Ujjain**

*Q*

*Suby*  
**General Manager**  
**MPJNM, PIU, INDORE**



	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed widening of NH based 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 accommodating proposed widening of NH".		
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 gas pipeline with OFC/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of <b>[Ujjain to Badnawar Section from Km 87+659 to Km 87+723 of NH No752 D on Build, Operate and Transfer basis]</b> and therefore, the licensee shall honour the same."		
9	Who will supervise the work of laying of pipe line	Jal Nigam, PIU Indore, MPJNM	
	(a) On behalf of the Applicant	Jal Nigam, PIU Indore, MPJNM	
	(b) On behalf of NHAI	EI/PIU Ujjain	
10	Who will ensure that the defects in the road portion after laying of water pipeline are corrected and if not corrected then what action will be taken	Jal Nigam, PIU Indore, MPJNM	
	(a) On behalf of the Applicant	Jal Nigam, PIU Indore, MPJNM	
	(b) On behalf of NHAI		
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	Jal Nigam, PIU Indore, MPJNM	
	On behalf of the Applicant		
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).		
13	If any previous approval is accorded for laying of	NA	

*(Signature)*  
S.E. (NH)  
**Site Engineer**  
NHAI, PIU Ujjain

*(Signature)*

*(Signature)*  
**General Manager**  
MPJNM, PIU, INDORE



	underground water pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed		
14	Name of Highway authority of NHAI/PWD/BRO	National Highway Authority of India, PIU-Ujjain	
15	Highway Administration address	RO NHAI, Bhopal	

Verified by

*[Signature]*  
S.E. (NHAI)  
Site Engineer  
NHAI, PIU Ujjain

*[Signature]*  
General Manager  
MPJNM, PIU, INDORE

*[Signature]*  
Dy. General Manager (Tech)  
NHAI PIU Ujjain (M.P.)

*[Signature]*  
Project Director  
NHAI PIU-Ujjain (M.P.)  
National Highway Division, Ujjain

*[Signature]*