



सत्यमेव जयते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

### क्षेत्रीय कार्यालय / REGIONAL OFFICE

ई-6/47, स्मृति परिसर, साईबोर्ड के पास, अरेरा कॉलोनी, भोपाल (म.प्र.)-462016

E-6/47, Smriti Parisar, Near Sai Board, Arera Colony, Bhopal (M.P.)-462016

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



NHAI/RO-Bhopal/PIU-Khandwa/WRD/Water-pipeline/2025/55378

Date: 22.09.2025

### Invitation of Public Comments

**Sub:** 4-Laning of Dhangoan -Boregaon Section NH-347BG &753L (Indore to Boregaon Pkg-V) Design Ch. 81.000 to 139.000 (Length 58.000 km) under Bharatmala Pariyojna phase-1 in the state of MP on Hybrid Annuity Mode- Engineering, Procurement, Construction, Testing, Commissioning, Trial Run, Operation, and Maintenance of Indira Sagar I Multi-Village Drinking Water Supply Scheme, District Khandwa, Khargone, in a single package on a turnkey basis. Utility permission for JAL-NIGAM water supply pipeline - **Public Comment - reg.**

**Ref:** PD, PIU-Khandwa e-office file no. 291602 dated 23.08.2025.

The Project Director, PIU-Khandwa vide e-office note dated 23.08.2025 has recommended the proposal for Utility permission for Jal Nigam Water Supply Pipeline under Indira Sagar-I Multi Village Drinking Water supply scheme, District Khandwa, Khargone in a single package on a turnkey basis on Dhangoan -Boregaon Section NH-347BG &753L (Indore to Boregaon Pkg-V) Design Ch. 81.000 to 139.000 (Length 58.000 km) 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 water pipeline 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 and the same should reach to below mentioned address till 22.10.2025 beyond which no comments will be considered.

The Highway Administrator  
O/o Regional Officer,  
National Highways Authority of India  
E-6/47, Smriti Parisar,  
Near Sai Board, Arera Colony,  
Bhopal (MP)-462016  
E-mail ID: robhopal@nhai.org

4. This is being issued with the approval of Regional Officer cum Highway Administration.

(Er. Vinakshi Dahat))  
Dy. General 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-Khandwa (M.P.) for information.
- The General Manager, Madhya Pradesh Jal Nigam, Indore (MP) (e-mail-gmindore.mpjalnigam@mp.gov.in).

18/22/09/2025



347 BG

**CHECK LIST**

Guidelines for Project Directors for processing the proposal for laying of water supply pipeline in the land along National Highways vested with NHAI.

Certificate for confirming of all standard condition issued vide

Relevant circulars

- 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-11037/86-DOI(ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI 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(R) dated 22.11.2016

Checklist for getting approval for laying of water supply pipeline on NH land No- 347BG & 753L			
Sl	Item	Information Status	Remarks
1	General Information	Indirasagar - 1 MVS Drinking Water Supply Project.	
1.1	Name and Address of the Application/Agency	GM, Madhya pradesh Jal maryadit, project Implementation Unit, Indore, Madhya	
1.2	National Highway Number	NH- 347BG & 753L	
1.3	State	Madhya Pradesh	
1.4	Location	PKG -4 (Dhangaon - Boregaon)	
1.5	(Chainage in KM)	1. 91.980 to 107.280, ✓ 2. 110.450 to 111.030, 3. 111.580 to 120.480, 4. 120.990 to 129.100, 5. 130.200 to 130.420, 6. 131.500 to 134.900, (Please refer Anxture - 1 for along road pipelaying and Anxture - 2 for NH crossing Details. )	
1.6	length in Kilometers	39.775	
	Width of available ROW	60 Mtr (In General)	
1.7	a) Left side from center Line towards increasing Chainage / Km direction	30 Mtr	
	b) Right side from center line towards increasing chainage/km. direction.	30 Mtr	
1.8	Proposal to lay underground Water pipeline	Yes, DI & MS Water Pipeline Dia. Min- 100mm to Max- 900	
	(a) Left side from center line towards increasing chainage/km. directon	28 Mtr - 30 Mtr as per ROW Availability	
	(b) Right side from center line towards increasing chainage/km. direction	28 Mtr - 30 Mtr as per ROW Availability	
1.9	Proposal to acquire land	Not applicable	
	a) Left side from center Line towards increasing Chainage/ Km direction	Nil	
	b) Right side from center line	Nil	
1.10	Wheather proposal is in the same side where land is notbe acquired	Yes	
	If not then Where to lay the Water pipeline	NA	
1.11	Details of already laid services, if any, along the proposed route		
1.12	Number of lanes (2/4/6/8 lanes) existing		
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Not applicable	
	Service road existing or not	Yes	
	If yes then which side		
1.14	(a) Left side from center line	NA	
	(b) Right side from center line	Existing Service Road Varies from 14m to 24m from center line of the Road	

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1.15	Proposed Service road	Yes	
	(a) Left side from center line	NA	
	(b) Right side from center line	Proposed Service Road Varies from 14m to 24m from center line of the Road	
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carriageway.	After Service road in the Utility corridors as per available PROW of NHAI	
	The permission for laying of water supply pipe line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.	Yes Agreed	
	a) Carrying of sewerage/gas pipelines on highway bridges shall not be permitted as Furnes / gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	Yes, Agreed for not carrying drinking water pipeline on Bridges	
1.17	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 abutments in such a manner that in that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	Yes, Agreed for not carrying Water Pipeline on Bridges however it will be laid over independent structures like pipe Carrying Bridges for Major Bridge crossing and Fabricated Structural Steel Path will be laid adjacent to the current structure for Minor Bridges/Culverts/Cross Drainage Structures when required with the permission of Authority.	
	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.	Yes, Agreed to comply	
	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.	Yes, Agreed to comply	
1.18	If crossings of the road involved	Yes, 11 Nos at Various locations as per the attached Drawings and Documents	
	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.	Encasing pipe Dia = 1.5 times dia of pipe at various location as per attached drawings & Documents	
	a) Existing drainage structures shall not be allowed to carry the line.	Yes, agree to comply	
	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 meters. What is the distance from the existing structures.	More than 15 meters at all our crossing locations	
	d) The casing pipe (or) conduit pipe in the 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 pipe / cable.	Yes and Made of Mild Steel of Various sizes as per attached drawings and Documents	
1.19	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes, agreed to comply	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Yes, agreed to comply	

	g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3m below the drain inverts.	Yes, agreed to comply	
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, Crossings will be done by jack pushing / HDD Method	
	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, agreed to comply	
2	Document/Drawings enclosed with the proposal.	Attached	
	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)	Details Shown in the Drawing attached	
	i) Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes, agreed to comply	
2.1	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.	Yes, agreed to comply	
	iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Now shall these be laid over the existing culverts and bridges.	Yes, agreed to comply	
	iv) These should be so laid that their top is at least 0.6meter below the ground level so as not to obstruct.	Yes, agreed to comply	
2.2	Cross section showing the size of pit and location of Pipe for HDD method.	Yes, Submitted and incorporated in the drawing	
2.3	Strip plan/Route plan showing Water supply pipe line, chainage,width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes, Submitted showing all desired details in the drawing	
2.4	Methodology for laying of showing water supply pipe line.	Attaches as Annexure	
	Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology or refilling of trench.	Yes, Open Trenching as per Submitted methodology as per available ROW.	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes, agreed to comply	
	(b) For filling of the trench, Bedding shall be 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, agreed to comply	
2.4.1	(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, agreed to comply	
	(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. 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 to comply	
	(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, agreed to comply	




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	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes, agreed to comply	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line,	Yes, agreed to comply	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, HDD Method allowed as per submitted methodology at specific locations as per enclosed attachments in the annexures.	
	Laying of water supply pipe line through CD works and method of laying.	At all CD work Locations Independent pipe carrying Structures will be adopted.	
2.4.3	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 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976	Yes, agreed to comply	
3	Draft License Agreement signed by two witnesses	Yes, enclosed	
4	Performance Bank Guarantee in favour of NHAI has 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 cables/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 licensee for clearing debris/loose earth.	Yes, Agreed for submission of performance BG as per latest North / NHAI Guidelines, when asked by NHAI.	
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NHAI.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes, will be obtained after submission of BG	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, Agreed to comply and Undertaking Enclosed	
5.2	Renewal of Bank Guarantee	Yes, Agreed to comply and Undertaking Enclosed	
5.3	Confirming all standard condition of NHAI's guideline	Yes, Agreed to comply and Undertaking Enclosed	
5.4	Shifting of water supply pipeline as and when required by NHAI at their own cost	Yes, Agreed to comply and Undertaking Enclosed	
5.5	Shifting due to lanning / widening of NH	Yes, Agreed to comply and Undertaking Enclosed	
5.6	Indemnity against all damage and claims clause (xxiv)	Yes, Agreed to comply and Undertaking Enclosed	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant.	Yes, Agreed to comply and Undertaking Enclosed	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, Agreed to comply and Undertaking Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, of alternations to the showing Water supply pipe line located in the National highway right of ways.	Yes, Agreed to comply and Undertaking Enclosed	
5.1	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 pipe line will be borne by the agency owning the line.	Yes, Agreed to comply and Undertaking Enclosed	

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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 line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Agreed to comply and Undertaking Enclosed	
5.12	Certificate from the applicant in the following format. (i) Laying of water supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6-laning "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 laning of any other development".	Yes, Agreed to comply and Undertaking Enclosed	
6	Who will sign the agreement on behalf of water supply pipeline agency.	GM, Madhya Pradesh Jal Maryadit, project Implementation Unit, Indore, Madhya Pradesh	
7	Certificate from the project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry Circular No, NH III/P/66/76 dated 18/19.11.1976, 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. Ministry Circular No. RW/NH-111/P/66/76 dated 11.05.1982.	Enclosed	
7.2	Certificate from PD in the following format. i) "It is certified that any other location of the Water supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line 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, casing of curve etc."	Enclosed	
	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 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 six-laning.		
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 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."	Not Applicable	

  
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9	Who will supervise the work of laying of water supply pipe line:	AFCONS INFRASTRUCTURE LTD. House no. 3378, infront of Grand Lodge, Anand nagar Colony, Khandwa, Madhya Pradesh 450001	
10	Who will ensure that the defects in road portion after laying of water supply pipe line are corrected and if not corrected then what action will be taken'	AFCONS INFRASTRUCTURE LTD. House no. 3378, infront of Grand Lodge, Anand nagar Colony, Khandwa, Madhya Pradesh 450001	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	GM, Madhya Pradesh Jal maryadit, project Implementation Unit, Indore, Madhya Pradesh	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma ( Copy Enclosed)	Not Applicable	
13	If any previous approval is accorded for laying of underground water supply pipe line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	Not Applicable	

*M. M. S.*  
Team Leader  
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Deputy General Manager  
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