



# 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, हबीबगंज रेलवे स्टेशन के पास, भोपाल (म.प्र.) 462 016

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

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

NHAI/RO-MP/CHHP/Water Pipe line/2022/LS411



भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

Date: 04.01.2022

### Invitation of Public Comments

**Sub:** Proposal for laying and crossing of water pipe line at Ch. 9+00 to 5+500 under 200 mm dia, from betwa bridge to pratappura industrial area, Distt. Niwari. - reg.

- Ref:**
1. PD, PIU-Chhatarpur letter no. CHHP/26010/17/MPIDC/Water Pipe Line/2021/7603 dated 29.10.2021
  2. PIU office letter no. 7596 dated 29.10.2021.
  3. IE, M/s Aarvee Associate letter no. 1284 dated 18.10.2021
  4. PIU office letter no. 7270 dated 15.09.2021
  5. Executive Engineer, MPIDC Ltd. letter no. 2758 dt. 10.08.2021

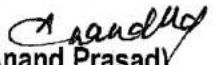
The Project Director, PIU-Chhatarpur NHAI vide their letter dated 29.10.2021 has submitted the Proposal for laying and crossing of water pipe line at Ch. 9+00 to 5+500 under 200 mm dia, from betwa bridge to pratappura industrial area, Distt. Niwari.

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 **03.02.2022** 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 Rani Kamlapati Railway Station,  
Bhopal (MP)-462016  
E-mail ID:robhopal@nhai.org

4. This issues with the approval of Highways Administrator Cum Regional Officer, NHAI, Bhopal (MP).

  
(Anand Prasad)  
Manager (T)

### Copy to:

- (i) Web-Admin, [nhai.org@gmail.com](mailto:nhai.org@gmail.com), NHAI-HQ for uploading on NHAI website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, PIU-Chhatarpur (MP) for information please.
- (iv) The Executive Engineer, MPIDC, Niwari for information please.

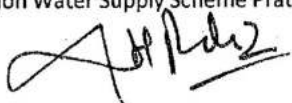
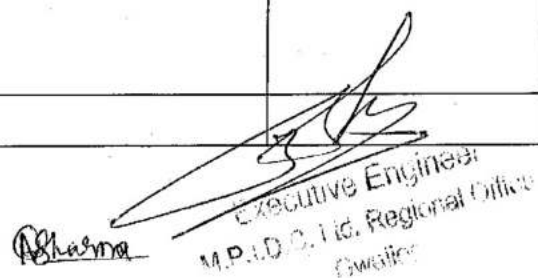
### CHECK LIST

Guidelines for Project Directors for processing the proposal of laying and crossing of 200mm dia D.I. Water Pipeline by private license in the National Highway with NHAI.

Ministry's circular No. RW/NH-33044/27/2005-S&R\* Dated 06/07.08.2013

Checklist for getting approval for laying and crossing 200mm dia D.I. Water Pipeline along ROW on NH Land			
Details of Laying and Crossing Water Line along NH-39 from Betwa River Not Ghat to I/A Pratappura			
No	Particulars	Information/Status	Remarks
1	General Information	To lay 200mm D.I. Water Pipeline along ROW of NH from Old Betwa River Bridge (Not Ghat Bridge) to Industrial Area Pratappura District Niwari	
1.1	Name and address of the applicant	M.P. Industrial Development Corporation Ltd., Regional Office, Gwalior IIDC Plaza, 39-City Center, Gwalior – 474011 Telephone - 0751-2426614, 2374506 Email - iidcgwalior@gmail.com	
1.2	National Highway No.	39	
1.3	State	Madhya Pradesh	
1.4	Location	From Old Betwa River Bridge (Not Ghat Bridge) to Industrial Area Pratappura District Niwari	
1.5	Chainage in KM	<del>13+010</del> to 9+790 KM (Existing chainage) and 7+200 to 5+290 Km (New Chainage)	01 No. Crossing New Chainage <u>6+125</u> KM
1.6	Length in Kilometers	<del>5.13</del> 4.43 Km	
1.7	Width of available ROW		
a	Left side from the center line towards decreasing chainage/ KM Directions	Yes	
1.8	Proposal to lay the Water Pipeline		
a	Left side from the centerline towards decreasing chainage/ KM Directions	Yes	
b	Right side from the centerline towards decreasing chainage/ KM Directions	N.A.	

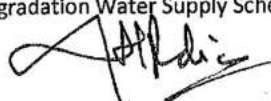
1.9	Proposal to acquire land		N.A.
a	Left side from the centerline	30 Meters	
b	Right side from the centerline	30 Meters	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
1.11	Details of already laid services if any along the proposal route	N.A.	
1.12	Number of lanes (2/4/6/8) Existing	New alignment	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 Lane	
1.14	Service road existing or not If yes then which side	Yes	
	a. Lift side from the center line	Yes	
	b. Right side from the center line	Yes	
1.15	Proposed service road		
	a. Lift side from the center line	N.A.	
	b. Right side from the center line	N.A.	
1.16	Whether proposal to lay water pipeline is after the service road or between the service road and main carriage way	N.A.	Water Pipeline shall be laid After service road in the ROW
1.17	The permission for laying and crossing of 200mm dia D.I. Water Pipeline shall be considered for approval/rejection		
	1. Where the ROW is more than 45.00 Meters than the water pipeline shall be laid at edge of ROW within the utility corridor of 2 M width, duly keeping in view the future widening	Yes	
	2. Where land is yet to be	N.A.	

Executive Engineer  
M.P.L.D. & I.G. Regional Office  
Gwalior

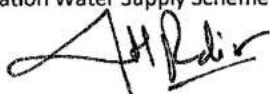
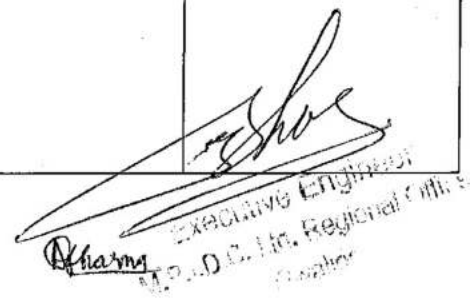
	2. Where land is yet to be acquired for 4 laning and the position of new carriage way has been decided then the water pipeline shall be laid at the edge of ROW within the utility corridor of 2.0 M width on that side of existing carriage way where extra land is not proposed to be acquired for 4 laning	N.A.	
	3. where the widening plan 4 lanning is not yet decided and available ROW is around 30m or less, judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 M to 2 M of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	N.A.	
	4. Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains(e.g. Highways in cutting through hilly/rolling terrains), the water pipeline shall be laid clear of terrain.	N.A.	
	5. Where land strips for utility corridor cannot be convenient on marked (available ROW restricted to the toe of the embankment) for laying of water pipeline, the permission may be refuse.	N.A.	
1.18	No. of applicants on the same stretch.	No	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programme	N.A.	

	stipulated these frame.		
1.21	If crossing of the road involved if yes it shall only be through trenchless technology.	Yes, HDD Method to be used for crossing.	
2	Document/Drawing enclosed with the proposal	Yes	Attached
2.1	Cross section showing the size of pit and location of water pipeline of HDD method	Yes	Attached
2.2	Strip plan, route plan showing the 200mm dia D.I. Water pipeline, chainage, width of ROW, distance of proposed water pipeline from the edge of ROW, Important milestone, intersections, cross drainage works etc.	Yes	Attached
2.3	Methodology for laying of 200mm dia D.I. Water Pipeline	Yes	Attached
2.4.1	Open trenching of method, if yes, methodology of refilling of trench	Yes	
2.4.2	Horizontal directional drilling (HDD) method	Yes	
2.4.3	Laying Water Pipeline through CD works and method of laying (whether to be hung out side parapet)	N.A.	
3.	Draft license agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee		
4.1	Performance BG/FDR as per ministry's circular No.RW/NH-33044/27/2005-S&R (R) dated 06/07.08.2013 to be obtained @ Rs.100/- per meter length (Parallel to NH) and Rs. .... Per Crossing NH, for a period of ..... year initially as a security for ensuring/making good the excavated trench		


  
 Executive Engineer  
 M.P.I.D.C. Ltd. Regional Office  
 Gwalior



	for laying the water pipeline by proper filling of compaction, clearing, debris, loose earth produced due to execution of trenching at least .....m away from the edge of the ROW. No payment shall be payable by the NHAI to the License for clearing debris/loose earth.		
4.2	Confirmation of BG/FDR has been obtained as per NHAI Guidelines	NO	
5	Affidavit/ Undertaking from the Applicant for		Attached
5.1	Not to damage to other utility, if damaged then to pay the lossess either to NHAI or to be concerned agency	Yes	
5.2	Renewal of Bank Guarantee	N.A.	
5.3	Conforming all standard conditions of NHAI's Guide	Yes	
5.4	Shifting of water pipeline as and when required by NHAI	Yes	
5.5	Shifting due to 6 laning/widening of NH	Yes	
5.6	Idemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of 200mm dia D.I. water pipeline to be managed by 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	Certificate for 6 lanning from the applicant in the following format. "we do undertake that I will relocate service road/ approach/Utility at my own cost notwithstanding the permission granted within such time as will be	Yes	Attached

Executive Engineer  
M.P.D.C. Ltd. Regional Office  
Raipur

	such time as will be stipulated by NHAI" for future 6-lanning or any other development."		
6	Power of attorney in favour of authorize signatory	Yes	
7	Copy of Distribution Franchisee License	N.A.	
8	Certificate from the Project Director		
8.1	Certificate for confirming of all standard conditions issued vide Ministry Circular NO.RW/NH-3304417/2000-S&R dated 29.09.2000 and NHAI's Guidelines issued vide No. NHAI/EC.2K/Vol-II dated 7.11.2000 and Ministry Circular No.RW / NH-3304417/ 2000-S&R dated 06/07.08.2013		
8.2	Certificate for 6 Lanning from PD in the following format	N.A.	
	a. Where feasibility is available "I do certify that there will be hindrance to proposed 6-lanning based on the feasibility report considering proposed structure at the said location."		
	b. In case feasibility report is not a available "I do certify that sufficient ROW available at site for accommodating proposed 6-lanning.	No	
9	The agreement fee of Rs.1/- shall be charged		
10	If NH section proposed to be taken up by NHAI on BOT basis a clause in para 17 to be inserted in the agreement. The permitted Highway on which licensee has been granted the right to lay water pipeline has also been	Yes	

*[Signature]*

*[Signature]*

	be concessionaire under the concession agreement for operation and maintenance of Jhansi Chhatarpur Section of NH-39 from KM 13+010 to 9+790 KM (Existing chainage) and 7+200 to 5+290 Km (New Chainage) in the State of Madhya Pradesh on OMT basis and therefore, the Licensee shall own the same.		
11	Who will supervise the work or laying 200mm dia D.I. Water pipeline	MPIDC LTD., R.O. Gwalior	
12	Who will ensure that the defects in road portion after laying of 200mm dia D.I. Water pipeline are corrected and if not corrected then what action will be taken.	MPIDC LTD., R.O. Gwalior	
13	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	MPIDC LTD., R.O. Gwalior	
14	A certificate from PD that he will enter the proposed permission in the Register of records of the permission in the prescribed Performa (copies enclosed ) issues vide Ministry Circular No.RW/NH/ 33044/17/2005/S&R dated 06/07.08.2013		
15	If any previous approval is accorded for laying of cable the photocopy of register of records of permissions as maintained by PD (Ministry Circular No.RW/NH/ 33044/ 17 / 2005 / S&R dated 06/07.08.2013) as referred in para 13 above is enclosed or not.		






### Methodology of Laying of Water Pipeline – Open Trenching & Trenchless (HDD)

#### **Trenching Method:**

Laying 200mm dia D.I. Pipeline along NH-39 along the mentioned route will be done by conventional Method/manual and Machine Trenching method. The dimension of the trench will be 165 cms in depth and 70 cms in width. The water pipeline laying work will be carried out in phase manner in such a way that after the HOPE / Protection ducts are laid for Water pipelines, the trench will be reinstated to its original surface.

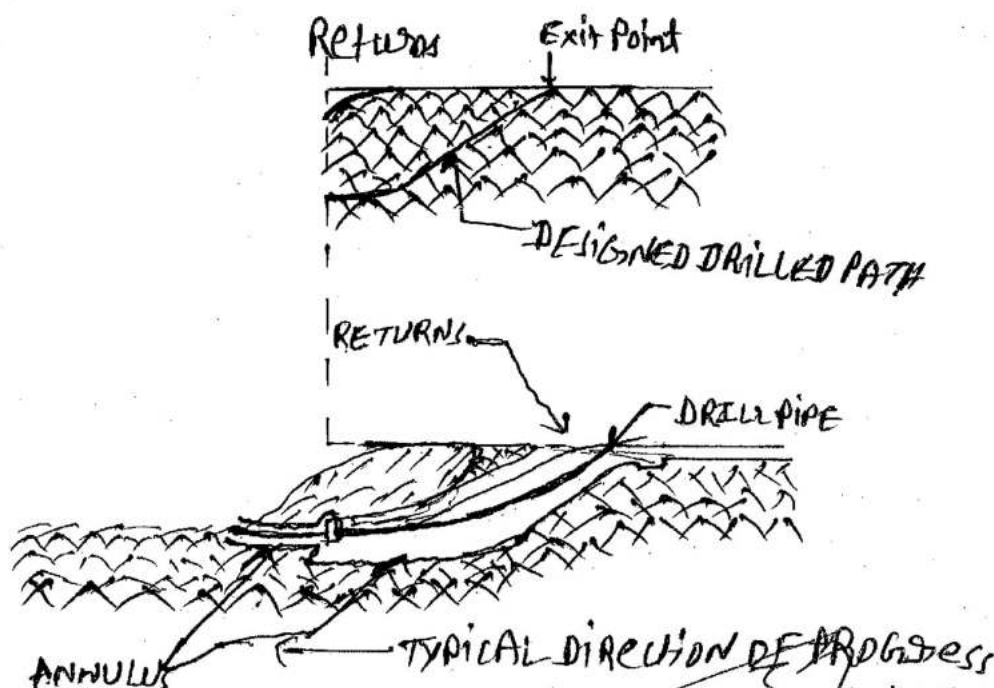
#### **Trench Filling Method:**

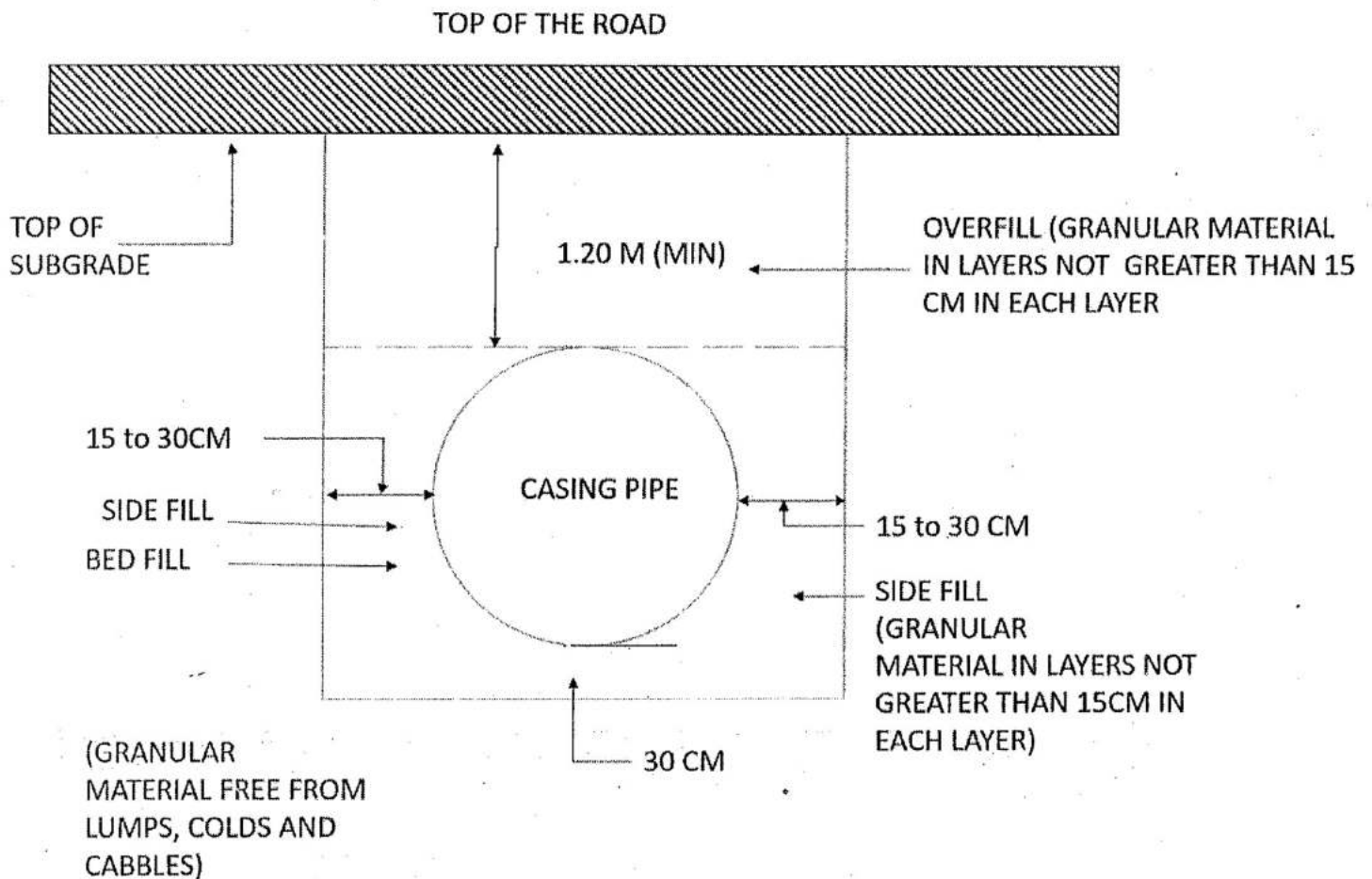
As a measure of abundant precaution against future settlement and other allied problems, only selected granular material will be used in filling reinstatement of trenches. The entire depth of cutting will be filled either with coarse sand or the excavated material, compacted in layers not exceeding 300mm when compacted by, Special Compaction equipment like plate compacter, frog hammer will be utilized besides ordinary power roller.

#### **Trenchless Crossing: HDD Method**

Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drilling that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities. All crossing on the Route will be done by Horizontal Directional Drilling Method 3 Meter below the ground level without disturbing the road surface.

**A Typical HDD Methodology is shown below:**





**INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD**

प्र. कार्यपालन सचिव  
एम.पी.आई.डी.सी.लि.  
क्षेत्र कार्यालय ग्वालियर

Junior Engineer  
MPIDC Ltd. RO Gwalior

Executive Engineer  
M.P. Industrial Development  
Corporation Ltd. Regional Office Gwalior