



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-MP/PIU-BPL/MPJNM/Sehore/2025/53813

Date - 15.04.2025

Invitation of Public Comments

Sub: Balance work of Four laning of Bhopal - Bioara Section of NH-12 from Km. 324+000 to Km. 423+400 in the State of Madhya Pradesh (Package-II) on EPC Mode - **Permission for laying of water pipelines and crossing of road at NH-46 under Ashta-Ranipura MVS - Reg.**

Ref: PD, PIU Bhopal e-file no. 278964.

1. PD, PIU Bhopal, NHAI vide e-office note dated 02.04.2025 has submitted the proposal for permission for laying of water pipelines and crossing of road at NH-46 under Ashta-Ranipura MVS.
2. As per Ministry vide OM No. RW/NH-33044 S&R (R) dated 22.11.2016, the application shall be put out in public domain for 30 days for seeking claims and objections (on ground of public inconvenience, safety and general public interest).
3. Accordingly, the public comments are hereby invited on the above proposal (copy of application enclosed) for seeking claims and objections within 30 days (i.e. by 15.05.2025) on public portal {i.e. website of MoRTH (www.morth.nic.in)} beyond which no comments will be considered. The address of comments inviting authority is as under:

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.

(Paras Bansal)
Manager (T)
RO - Bhopal

Copy to:

- (i) Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, NHAI, PIU- Bhopal (M.P.) for information.
- (iv) MPJNM, Sehore (MP) (Email: gmsehore.jalnigam@mp.gov.in).

Check list for getting approval for laying of drinking water pipe line on NH land

S.NO	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/ Agency	Madhya Pradesh Jal Nigam Maryadit.Project Implementation Unit, Sehore.Luniya Square . Old Zila Panchayat Office Sehore -466001	
1.2	National Highway Number	NH-46/12	
1.3	State	Madhya Pradesh	
1.4	Location	Bhopal--Biora	
1.5	(Chainage in KM)	NH-46 Bhopal to Biora at various different chainage sections indicated in enclosed drawing & shown details in table.Total section length ROW applied for various chainages shown in drawing is 2.507 KM.	Along ROW chainage 386+837M to 380+749M. Across ROW Chainage 380+750M , 384+850M, 389 +557M,394+756M,397 +733M
1.6	Length in Meters	2507 m	
1.7	Width of available ROW	Varying from 29 to 30 m	
	(a) Left side from center line towards increasing chainage/Km direction	As per Drawing attached	
	(b) Right side from center line towards increasing chainage/Km direction	As per Drawing attached	
1.8	Proposal to lay underground utility.	Enclosed	
	(a)Left side from center line towards increasing chainage/Km direction	NA	
	(b)Right side from center line towards increasing chainage/Km direction	As per point no 1.5	
1.9	Proposal to acquire land	No	
	(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.	YES	
	If not then where to lay the cable.		
1.11	Details of already laid services , if any, along the proposed route.	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	4L	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	NA 4L	
1.14	Services road existing or not If yes then which side	Not	
	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.15	Proposed service road	General Manager M.P. Jal Nigam PIU-Sehore (M.P.)	

As per
attached
drawing
 Manager (Tech.
NHAI, PIU-Bhopal

S.NO	Item	Information/Status	Remarks
	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.16	Whether proposal to lay underground pipeline is after the service road or between the service road and main carriageway.	NA <i>Edge of ROW</i>	
1.17	Whether carrying underground pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	NA	
1.18	Whether carrying of underground pipeline has been proposed on parapet/any part of the bridges. If yes then mention the methodology proposed for the same.	NA	
1.19	If crossing 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 owning the line.	YES	
	(a) Whether existing drainage structures are allowed to carry underground pipeline.	NA	
	(b) Is it on a line normal to NH, if No Mention angle of crossing.	YES	
	(c) What is the distance of crossing the underground pipeline pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	NA	
	(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. Mention type of casing.	NA	
	(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 the 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 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts. Mention the proposed details.	YES	

General Manager
M.P. Jal Nigam
PIU-Sehore (M.P.)



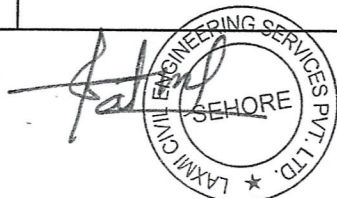
S.NO	Item	Information/Status	Remarks
	(h) Mention the methodology proposed for the crossing of road for the proposed underground pipeline. Crossing shall be by boring method (HDD)[Trench -less Technology]especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Pipe line laying Methodology sheet enclosed. Crossing HDD , Laying along road -OT	
	(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	YES	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x0.3m wide)	YES	
	(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 pipeline for HDD method.	YES	
2.3	Alignment plan on project plan & profile showing underground pipeline, chainage, width of ROW, distance of proposed underground pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	YES	
2.4	Methodology for laying of underground pipeline.	Enclosed	
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?	Enclosed	
	(a) The trench width should be at least 30 cm, but not more than 60cm wider than the outer diameter of the pipe.	YES	

General Manager
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NHAI, PIU-Bhopal



S.NO	Item	Information/Status	Remarks
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cms. 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 edged should be excavated and replaced by selected material.	YES	
	(c) The backfill shall be completed in two steps (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	YES	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctors' density. Over fill shall be compacted to the same density as the material that had been removed.	YES	
	Consolidation by saturation or ponding will not be permitted.		
	(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	
	(f) The excavation shall be protected by flagman, signs and	YES	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line.	YES	
2.4.2	Horizontal Directional Drilling (HDD) Method		
2.4.3	Methodology for laying of underground pipeline through CD works and method of laying. In cases where the carrying of underground pipeline on the bridge becomes inescapable.	NA	
3	Draft License Agreement signed by two witnesses.	YES	
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 underground cable Pipeline 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 license for clearing debris/loose earth. Performance BG as per above is to be obtained.	YES	



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S.NO	Item	Information/Status	Remarks
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines.	To be obtained	
5	Affidavit/ Undertaking from the Applicant for the following are to be furnished.		
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 condition of Ministry Circulars and NHAI's guidelines.	YES	
5.4	For shifting of underground cable Pipeline as and when required by NHAI at their own cost.	YES	
5.5	For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH	YES	
5.6	For indemnity against all damages and claims.	YES	
5.7	For traffic movement during laying off for shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH pipe line to be managed by the applicant.	YES	
5.8	If any claim is raised by the Concessionaire 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 For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH line/ 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 For shifting of underground cable Pipeline due to 4/ 6 lanning. Widening of line at NH will be borne by the applicant 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 owning 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-		
	(i)Laying of Underground pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	YES	

General Manager
M.P. Jal Nigam
PIU-Sehore (M.P.)

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NHAI, PIU-Bhopal



S.NO	Item	Information/Status	Remarks
	(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 four/ six-lanning or any other development.	YES	
6	Who will sign the agreement on behalf of Underground pipe line agency?	MPJNM	
	Power of Attorney to sign the agreement is available or not.	N/A	
7	The project director, will submit the following Certificates.		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of road transport and highways circular No. RWINH-33044/29/201S/S&R(R) dated 22.11.2016	Enclosed	
7.2	Certificate from PD in the following format		
	(i) "it is certified that any other location of the underground cable pipeline would be extremely difficult and unreasonable costly and the installation of underground cable pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvement such as widening of the carriageway, easing of curve etc."	— — —	
	(ii) For 4/6-lanning	— — —	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed four/six-lanning 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 four/ six-lanning".	— — —	
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 pipeline duct has also been granted as a right of way to the concessionaire under the [----- -----Section from Km-----to Km----- ----- of NH No----- build, operate and transfer basis] and therefore ,the licensee shall honour the same.	N/A	
9	Who will supervise the work of laying of underground pipe line		
	(a) On behalf of the Applicant	MPJNM	
	(b) On behalf of NHAI	MPJNM PD	



General Manager
M.P. Jai Nigam
PIU-Sehore (M.P.)

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NHAI, PIU-Bhopal

S.NO	Item	Information/Status	Remarks
10	Who will ensure that the defects in road portion after laying of underground cable pipeline are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	MPJNM	
	(b) On behalf of NHAI	PIU	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire?		
	On behalf of the Applicant	MPJNM	
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)	yes	
13	If any previous approval is accorded for laying of underground cable pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy is enclosed.	NA	
14	Name of Highway authority of NHAI/PWD/BRO	NHAI	
15	Highway Administration address	NHAI PIU-Bhopal	

Verified by



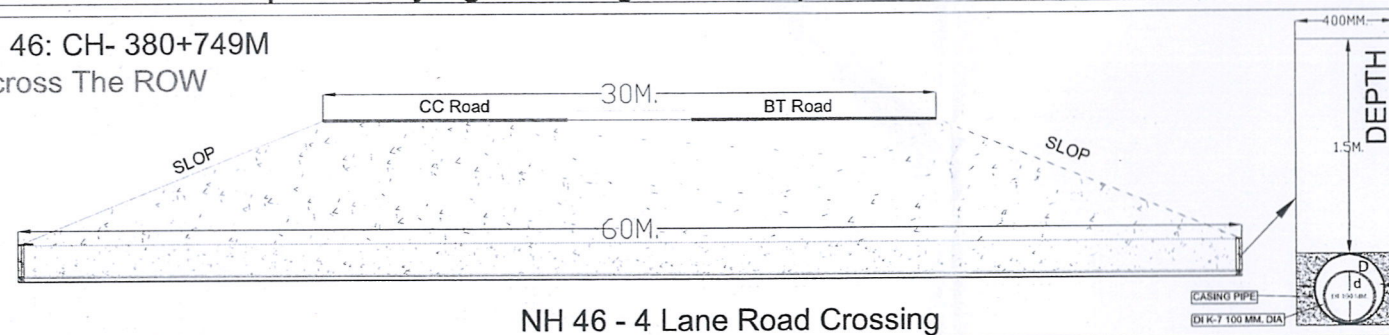
General
M.P. Jal Nigam
PIU-Sehare (M.P.)
mna

Manager (Tech.)
NHAI, PIU-Bhopal

Project Director
National Highway Authority of India
परियोजना निदेशक
Project Director
आरा रा.पा परि.क्रिया इकाई भोपाल
NHAI PIU-Bhopal (M.P.)

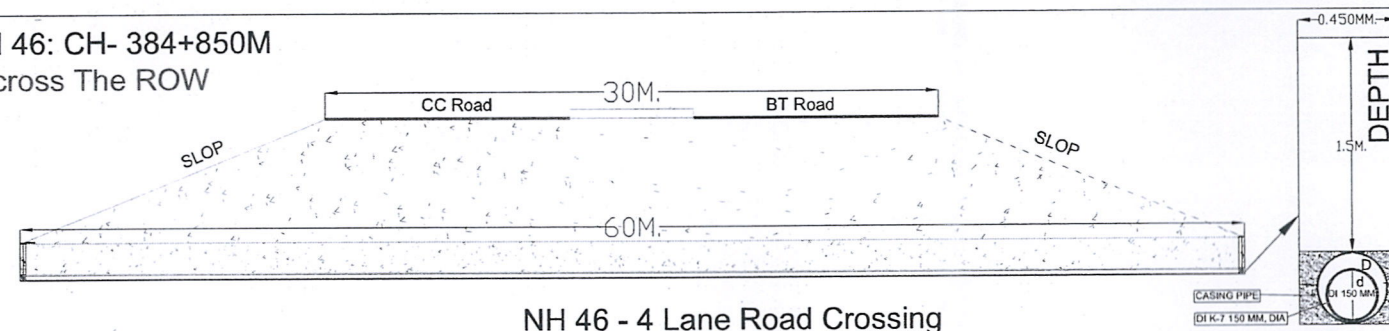
Bhopal To Biaora Permission Route-Map For Laying Drinking Water Pipe Line Across The ROW NH-46 Road Sehore Block

NH 46: CH- 380+749M
Across The ROW



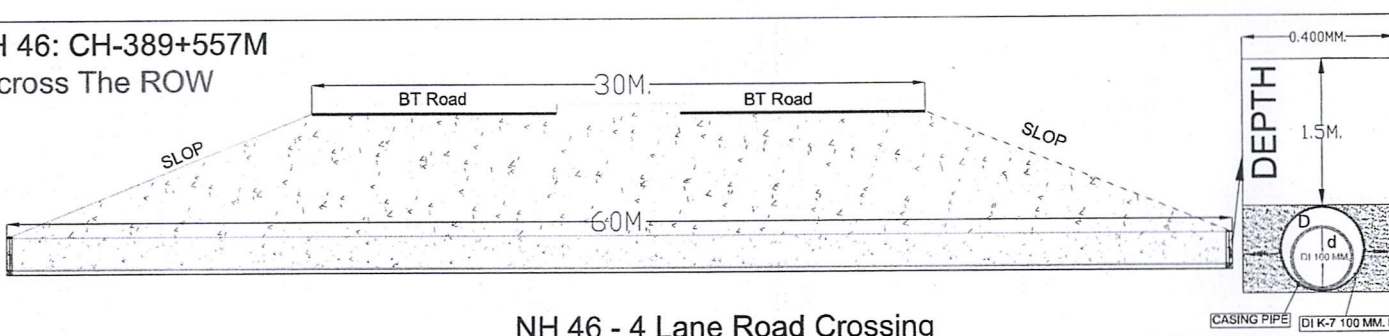
NH 46 - 4 Lane Road Crossing

NH 46: CH- 384+850M
Across The ROW



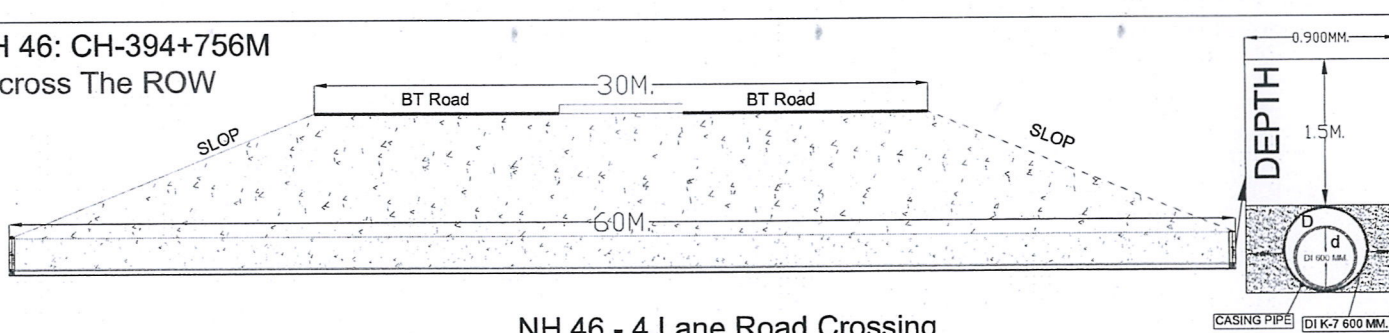
NH 46 - 4 Lane Road Crossing

NH 46: CH-389+557M
Across The ROW



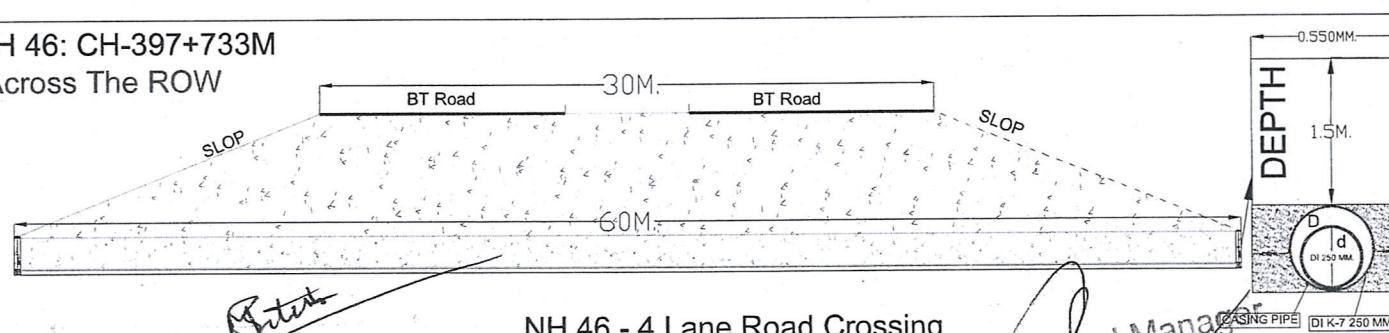
NH 46 - 4 Lane Road Crossing

NH 46: CH-394+756M
Across The ROW



NH 46 - 4 Lane Road Crossing

NH 46: CH-397+733M
Across The ROW

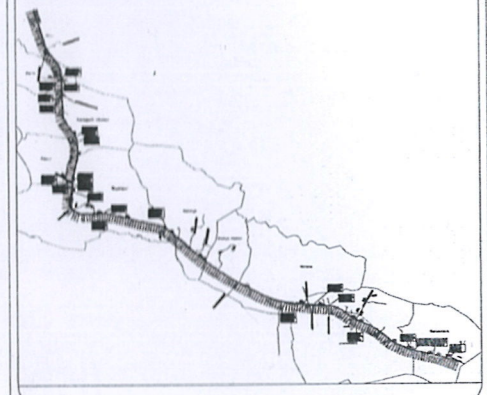


NH 46 - 4 Lane Road Crossing

Sheet No. :-



Key - Map



Notes

BT Road	
CC Road	
Kachcha Road	
PB Road	
Center Line	
Culvert	
Water Bodies	
Hand Pump	
Open well	
TBM	
School	
Panchayat Bhavan	
Mandir	
Electric Pole/ SUB Station	
Transformer	
Anganbadhi	
Municiple Boundary	
Railway Line	
Existing OHT	
Proposed OHT	
WTP	
Canal	
Proposed Boundary	

Project : Engineering, Procurement, Construction, Testing, Commissioning, Trial Run and Operation & Maintenance for 10 Years of Asha-Rangpura, District Sehore Multi-Village Drinking Water Supply Scheme in Single Package on 'Turn-Key' Basis

Client : Madhya Pradesh Jal Nigam Maryadit (a Govt. of M.p. Undertaking)

Contractor : Laxmi Civil Engineering Services Pvt. Ltd.

Designed By : CMR INFRASTRUCTURE PVT. LTD.
Email : - Cmrdesignbhopal@gmail.com

Drawing Name : Bhopal To Biaora Permission Route Map For Laying Drinking Water Pipe Line Across The ROW NH-46 Road Sehore Block

Drawing No. : SURVEY-DWG

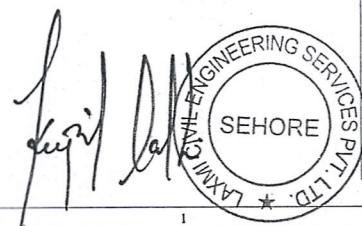
Drawn By : Checked By : Approved By :
Format Size: A3 Rev.: Date:

Manager (Tech.)
NHA, PIU-Bhopal

PIPE	MATERIAL	DIA.
---	DI K-7	100 MM.
---	DI K-7	150 MM.
---	DI K-7	200 MM.
---	DI K-7	250 MM.
---	DI K-7	500 MM.

Deputy Manager
M.P. Jal Nigam
Bhopal (M.P.)

General Manager
M.P. Jal Nigam
Bhopal (M.P.)



Bhopal To Biaora Permission Route Map For Laying Drinking Water Pipe Line Along The ROW NH-46 Road Sehore Block

Sheet No. :-



Key - Map



Notes

BT Road	
CC Road	
Kacheha Road	
PB Road	
Center Line	
Culvert	
Water Bodies	
Hand Pump	
Open well	
TBM	
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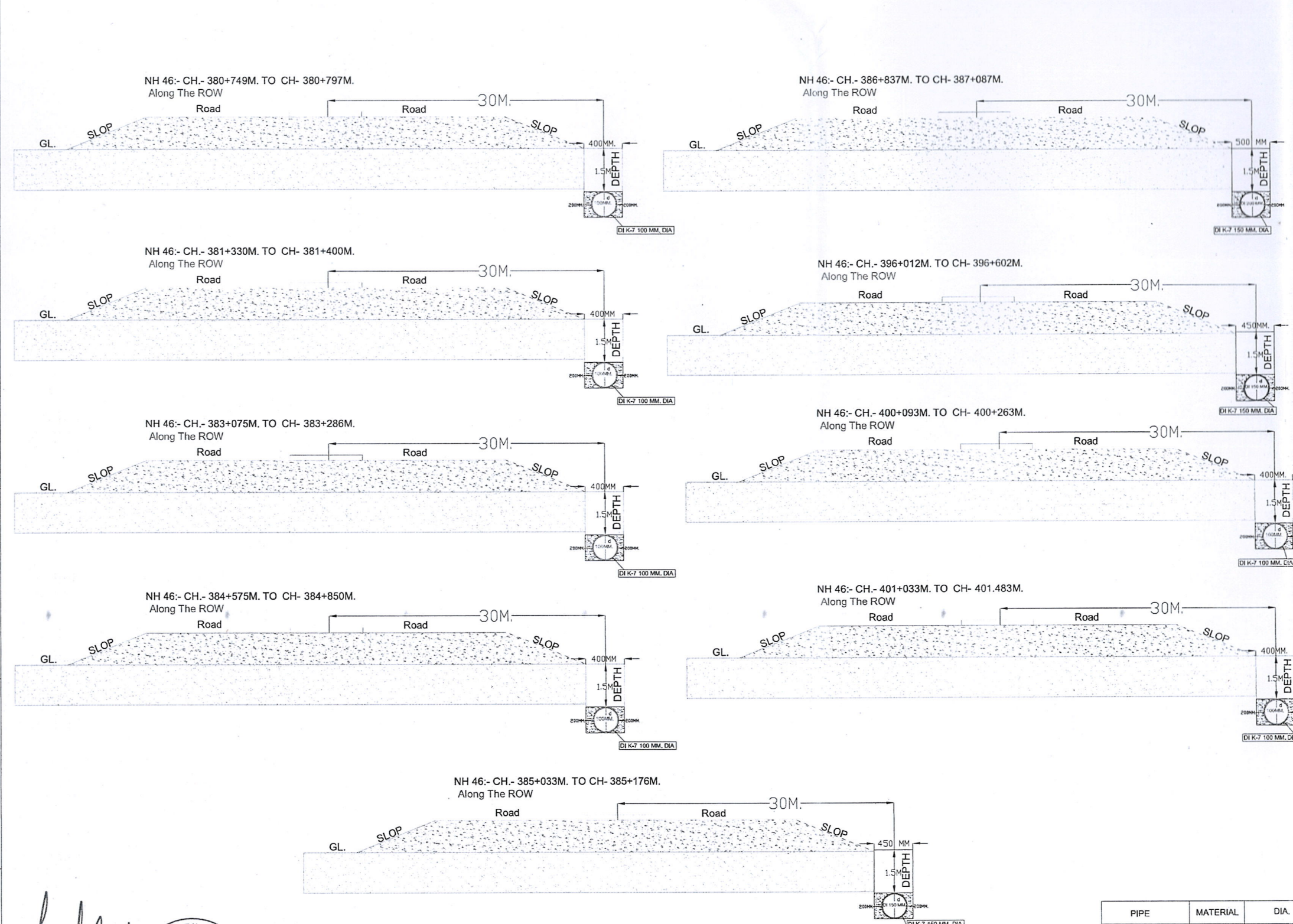
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Email. - cmrdesignbhopal@gmail.com

Drawing Name : Bhopal To Biaora Permission Route Map For Laying Drinking Water Pipe Line Along The ROW NH-46 Road Sehore Block

Drawing No. : SURVEY-DWG

Drawn By	Checked By	Approved By
Format Size: A3	Rev.:	Date:
Scale:		

PIPE	MATERIAL	DIA.
---	DI K-7	100 MM.
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