



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. 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)

19001/1/RO-W-UP/NH-44/km.13.900-km. 30.080/UG/ ISO.

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Dated: 12.03.2020

Invitation of Public Comments

Sub: Proposal for NOC permission for laying of Water Pipe Line on NH-26 (New NH-44) from Bijoli to Babina at km. 13.900 to km. 30.080 (RHS) with road crossing in the State of Uttar Pradesh.

The Authorized Signatory U.P. Jal Nigam, Jhansi has submitted the proposal through PD, PIU-Kanpur for NOC permission for laying of Water Pipe Line on NH-26 (New NH-44) from Bijoli to Babina at km. 13.900 to km. 30.080 (RHS) with road crossing in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that as per checklist, the Water Pipe Line is proposed in utility corridor within NH ROW. Proposed length is 16.18km from Ch. 13.900 (Bijoli) to Ch. 30.080 (Babina), along Right Hand Side. Width of available ROW is 60m. Left side from centre line towards increasing Chainage/ km direction is Nil and Right side from center line towards increasing Chainage/ km direction 16180m. Laying work will be carried out through Horizontal Directional Drilling (HDD) method along NH. There are two crossing is proposed in the proposal at Ch. 13.900 & Ch. 30.080. The existing NH is 4-lane divide carriageway.

3. 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).

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 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 issues with the approval of RO-West (UP).

Encl: As above.

(A. R. Chitranshi)
Manager (Tech.)
For RO-West, UP

Copy to:

1. Web Admin, NHAI, HQ - with a request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi - with a request for uploading on Ministry's website.
3. The Authorized Signatory U.P. Jal Nigam, Jhansi with a request to deposit the license fees in "Bharat Kosh" through online and submit the confirmation of deposition of same to PD, Jhansi.
4. The PD, PIU-Jhansi for information and requested to obtain the deposition of license fees in "Bharat Kosh" through online from the applicant and send copy of the same to this office.

Building a nation, not just Roads."

CHECKLIST

Guidelines for Project Director For processing the proposal for laying water pipeline in the land across National Highway vested with NHAI.

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 11.5.1982
4. Ministry Circular No. RW/NH-11037/1/86-DOI (II) dated 28.7.1993
5. Ministry Circular No. RW/NH-11037/1/86-DOI (II) 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-34066/7/2003S & R (B) dated 17.09.2003
8. Ministry Circular No. RW/NH-33044/29/2015/ S & R dated 22.11.2016

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER PIPE LINE ON NH LAND

Sr. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant Agency	Construction Unit UP Jal Nigam, Jhansi	
1.2	National Highway Number	NH-44	
1.3	State	Uttar Pradesh	
1.4	Location	Bijouli & Babina Jhansi	
1.5	Chainage in Km.	13.900, 30.080 km	
1.6	Length in meters	16.180 M	
1.7	Width of available ROW in meter	60 M	
(a)	Left side from centre line towards increasing chainage/km. direction		
(b)	Right side from centre line towards increasing chainage/km direction	30.00m	
1.8	Proposal to lay underground water pipeline for water supply		
(a)	Left side from centre line towards increasing chainage/km. direction	NA	
(b)	Right side from centre line towards increasing chainage/km direction	13.900 km to 30.080 km	
1.9	Proposal to acquire land	NA	
(a)	Left side from centre line towards increasing chainage/km. direction	Nil	
(b)	Right side from centre line towards increasing chainage/km direction	Nil	
1.10	Whether the proposal is on the same side where land is not to be acquired.	No.	
	If not then where to lay the Water pipeline	Edge of the ROW	
1.11	Details of already laid services. If any across the proposed route.	Not found any	
1.12	Number of existing Lanes (2/4/6/8 Lanes)	4 Lanes	
1.13	Proposed No. 01 Lanes 02 Lanes with paved shoulders /1/6/8 Lanes)	NIL	
1.14	Services Road Existing or not	Service road exist	
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line	Right hand side	
1.15	Proposed Service Road		
	(a) Left side from centre line	NIL	
	(b) Right side from centre line	R.H.S	
1.16	Whether proposal to lay water pipeline is beyond the service road of between the service road and main carriage way.	At ROW edge	
	The permission for laying of water pipeline shall be considered for approval/rejection based on Ministry	NIL	

Project Manager
Construction Unit
U.P. Jal Nigam
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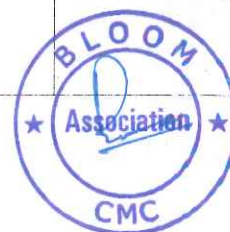
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	circulars mentioned as above.		
(a)	Carrying of sewage/gas pipeline on Highway bridges shall no be permitted as funnes gases pipe can accelerate the process of corrosion thus being much causes explosions thus being much more injurious that leakage of gas.	NIL	
(b)	Carrying of Gas pipe lines on bridges shall also discourage. However if the gas Authorities seem to have no other viable alternate and approach the Highway Authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeling on independent superstructure supported on extended portion of piers and abutments in such a manner that in the final arrangement enough for spade around the superstructure of the bridge and repairs etc.	N.A.	
(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.	N.A.	
(d)	Services are not being allowed indiscriminately on the bridge 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.	N.A.	
1.18	If crossing of the road involved if yes, it shall be either encased in pipeline or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	Yes, crossing of the road involved crossing through trenchless technology H DD method at Ch. 13.900 km at Babina Ch.30.080 km at Bijaouli	
(a)	Whether existing drainage structure are allowed to carry water pipeline	No	
(b)	Is it on a line normal to NH	Yes	
(c)	What is the distance of crossing the water pipeline from the existing structure? Crossing shall not be too near the existing structure on the National Highways, the minimum distance being 15 meter.	Yes, Pipe line is Crossed at location at Ch. 13.900 km at Babina Ch.30.060 km at Bijaouli involved crossing method through trenchless technology H DD method	
(d)	The casing pipeline of conduit pipeline in the case of electric pipeline) carrying the utility line shall be of sled, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready with drawl of the carrier pipeline Mention type of crossing.	N/A	
(e)	Ends of the casing/conduit pipeline shall be sealed from the outside so that it does not act as a drainage path.	Yes Agreed	
(f)	The casing/conduit pipeline should as minimum extend from drain in cuts and toe of slope in the fills.	Yes Agreed	
(g)	The tap of the casing/conduit pipeline should be at least 1.2 meter below the surface of the road subject to being at	N.A.	

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	least 0.3 meter below the drain inverts. Mention the proposal details.		
(h)	Mention the methodology proposed for crossing of road for the proposed water pipeline crossing shall be by boring method (HDD) (Trench less Technology) especially.	Yes Agreed	
	Where the existing road pavement is of cement concrete or dense bituminous concrete type.	Bituminous concrete type	
2	Documents/Drawing to be enclosed with the proposal.	Document/Drawing attached with the proposal	
2.1	Cross section showing the size of the trench for open trenching method (Is it normal size of 1.65 m deep x 0.3m wide)	N/A	
(i)	Should not be greater than 60 cm wider than the outer diameter of the pipeline.	N/A	
(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.	It will be laid 15 M away from center line of the carriage way	
(iii)	Shall not be permitted to run across the National Highway when the road formation is situated in double cutting. Nor shall be these laid over the existing culverts or bridges.	It Will run along highway for 16180 m at R.H.S	
(iv)	These should be so laid that top is at least 6 m. below the ground level so as not to obstruct drainage of the road land.	At a depth 1.5 to 3.0 m below GL	
2.2	Cross section showing the size of pit and location of pipeline for HDD method.	N.A	
2.3	Strip plan/Route plan showing the water pipeline. Chainage, width of ROW, distance of proposed pipeline from the edge of ROW, important milestone, intersections, cross drainage works etc.	Route Map showing the pipeline on NH-44 is enclosed	
2.4	Methodology for crossing of the water pipeline	Pipe line will be crossed through existing culvert & under pass	
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 or refilling of trench.	Yes Agreed	
(i)	The trench width should be at least, but not more than 60 cm wider than outer diameter of the pipeline.	Yes, agreed	
(ii)	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 cabbies 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	
(iii)	The back fill shall be completed in two stages (i) side fill to the level of the top of the pipeline and (ii) overfill to the bottom of the road crust.	Yes, agreed	
(iv)	The side fill shall consist of granular	Yes, agreed	

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	material land 15 cm 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 be saturation or pounding will not be permitted.		
(v)	The road crust shall be built to the same		
(vi)	Strength as the existing crust on either side of the trench care shall be taken to avoid the information of dip at the trench.	Yes, agreed	
(vii)	The excavation shall be protected by flagman, signs and hurricanes' and red light during night hours.	Yes, agreed	
2.4.2	Horizontal Discotonal drilling (HDD) method	N.A.	
2.4.3	Methodology for laying of pipeline through CD work and method of laying. In case where the carrying of water pipeline on the bridge becomes inescapable.	Yes, Using existing culvert & under pass for crossing of pipe line	
3	Draft license agreement signed by two witness	Enclosed as Annexure-7	
4	Performance Bank Guarnatee in favour of NHAI has to be obtained @ ts. 100/- per running meter (Paralled to NH) and Rs. 1,00,000/- per crossing of NH. for a period of one year initially. (Extendable if required bill satisfactory) completion of work) as a security for ensuring/maing good the excavated trench for crossing the water pipeline/ducts by proper filling and compaciton clearing dehries/loose earth produced due to excavation of trenching at least 50 meter away from the edge of the right of way (ROW) No. payment shall be payable by NHAI to the license for clearing debris/loose earth. Performance BG as per above i to be obtained.		
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines.	Yes (Enclose in Annexure-8)	
5	Affidavit/Undertaking from the applicant for the following is to be furnished		
5.1	Not to damage to the other utility, if damaged, then to pay the losses either to NHAI or to the concerned agency.	Enclosed as attachment in Annexure09)	
5.2	For Renewal of Bank Gurantee	Enclosed as attachment in Annexure09)	
5.3	For confirmation all standard conditions of ministry circulars and NHAI's guidelines.	Enclosed as attachment in Annexure09)	
5.4	For shifting of pipelines as and when required by NHAI at their own cost.	Enclosed as attachment in Annexure09)	
5.5	For shifting of water pipelines due six laning wideding of NHAI	Enclosed as attachment in Annexure09)	
5.6	For indemnity against all damage and claims	Enclosed as attachment in Annexure09)	
5.7	For traffic movement during crossing of pipeline to be managed by the applicant	Enclosed as attachment in Annexure09)	
5.8	If any claim is raised by the Concessionaire then the same has to be	Enclosed as attachment in Annexure09)	



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	paid by the applicant.		
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the water pipeline/any other utility located in the National Highway right of way's	Enclosed as attachment in Annexure09)	
5.10	Expenditure if any, incurred by NHAI for repairing any damage caused to the National Highways by crossing maintenance of shifting of the water pipeline will be borne by the applicant agency owning the line.	Enclosed as attachment in Annexure09)	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement of repairs to the road. it will be carried out as desired by NHAI at the cost of the agency owning the utility line within the reasonable time (not exceeding 60 days) of the intimation given.	Enclosed as attachment in Annexure09)	
5.12	Certificate from the applicant in the following format :		
(i)	Crossing of water pipeline will not have any deleterious effect on any of the bridge components and roadway safety for traffic,	Enclosed as Attachment & Attached in Annexure-9	
(ii)	We do undertake that I/We will relocate service and road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as well be stipulated by NHAI for future six leaning or any other development.		
6	Who will sign an agreement on behalf of water pipeline agency?	Authorized Representative Amit Kumar. Project Manager Construction Unit, U.P. Jal Nigam, Jhansi	
	Power of attorney to sign the agreement is available or not.		
7	The Project Director will submit the following certificates.		
7.1	Certificates for proposal for confirming of all standard condition issued vide Ministry of Road Transport No. NH-III/P/66/76 dated 18/19-11-1976. Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982. Ministry Circular No. RW/NHH-11037/I/86-DOI dated 19.01.1995 Ministry Circular No. RW/NH-34066/2/95S&R dated 25.10.1999. Ministry Circular No. RW/NH-34066/7/2003 S& R (B) dated 17.09.2003. Ministry Circular No. RW/NH-33044/29/2015/S&R dated 22.11.2016.	Enclosed	
7.2	Certificate from PD in the following format	Enclosed	
(i)	It is certified that any other location of the water pipeline would be extremely difficult and unreasonable costly and installation of water pipeline within ROW will not adversely affect the design		

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	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 (a) where feasibility is available I do certify that there will be no hindrance to the feasibility report considering proposed structured at the said location,. (b) in case feasibility report is not available I do certify that sufficient ROW is available at side for accommodating six laning.	Enclosed	
8	If NH section proposed at be taken up by NHAI on BOT basis a clause is to be inserted in the agreement the permitted Highway on which license has been granted the to lay water pipeline/duct has been granted as a right of way to the concessionaire under the concession agreement for [Design, Construction, Development, Finance, Operation and Maintenance of Km ----- National Highway No. -----in the state of Uttar Pradesh (Package-----) on BOT (ANNUITY) BASIS] and therefore, the license shall honor the same."	Yes Inserted in the agreement	
9	Who will supervise the work of crossing of water pipeline .		
(a)	On behalf of the Applicant	Project Manager Construction Unit, U.P. Jal Nigam, Jhansi	
(b)	On behalf of NHAI	Project Director – NHAI	
10	Who will ensure that the defects in road portion after crossing of water pipeline are corrected and if not corrected then what action will be taken		
(a)	On behalf of the Applicant	Project Manager Construction Unit, U.P. Jal Nigam, Jhansi	
(b)	On behalf of NHAI	Project Director – NHAI	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire		
	On behalf of the Applicant	Project Manager Construction Unit, U.P. Jal Nigam, Jhansi	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Performa.	Will be entered into register	
13	If any previous approval is accorded for crossing of underground water pipeline then photocopy of register or records of permissions accorded as maintained by PD then copy be enclosed	NA	

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ANNEXURE – A

Subject – Permission for crossing water pipeline

Details regarding Water Pipeline

1	(i) Name of the Company asking for permission	Construction Unit U.P. Jal Nigam, Jhansi
	(ii) Full Address for Correspondence	Construction Unit U.P. Jal Nigam, Gwalior Road Jhansi
	(iii) Details and purpose for crossing the water pipeline across the National Highways.	The 1500, 1700 mm dia pipe is being laid for supply of water for drinking purpose at our side.
2	Any Other Details Regarding Crossing/laying	
	(a) Water pipeline Laying/crossing along NH-44	Water pipeline shall be laid from Ch.13.900 km to Ch.30.080 and the crossing of NH-44 at Chainage 13.900 and 30.080 km
	(b) Crossing Methodology	Yes, Pipe line is Crossed at location at Ch. 13.900 km at Babina Ch.30.060 km at Bijaouli involved crossing method through trenchless technology H DD method
	(c) Specification of Casing water pipeline	M.S
	(d) Specification of water pipeline	1700 mm dia/1500 mm dia
	(e) Specification of conduit for water pipeline	PCCP Pipe/ M.S Pipe
	(f) Width of the Corridore required	Yes, it is possible
	(g) Whether it is possible to lay water pipeline through existing line or not	No, it is not possible to lay the pipeline through existing line.
3	Details regarding road alignment	
	Name of the Road	National Highway- 44
	Category of the Road	National Highways
	Width of the Road	
	(a) Formation width measured from bank to bank	60M
	(b) Width of the black top	-
	(c) Road Boundary	Shown in Annexure – 3
	(d) Location of the pipeline Crossing across the Road	Bijouli(ch 13.90 km) and Babina ch.30.080km, Jhansi
4	Details to be supplied on lay out Drawing	1. Drawing showing the pipeline crossing alignment crossing NH- 44
5	Geographical details of the water pipeline route	Water pipeline which is supplying water from Matatila Dam to Jhansi City.
	Details of pipeline	Size 1700, 1500 mm dia water pipeline
6	This is certify that the work shall be done in accordance with the Govt. rules and regulations in force from time to time.	Yes, Agreed, Undertaking regarding the same is enclosed as attachment at Annexure -9
7	This is to certify that all required cost and fees as per the rules and regulation will be deposited timely.	Yes, Agreed Undertaking regarding the same is enclosed as attachment at Annexure -9

Project Manager
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Banvas

बनवास

Darri

दारी

27

27

44

27

Jhansi

झाँसी

Bamair

बमैर

Dongri

डोंगरी

Simraha

सिम्रह

Safa

सफा

Bijoli

बिजौली

Khailar

खैलार

Babina

बबीना

Sukwan

Project Manager

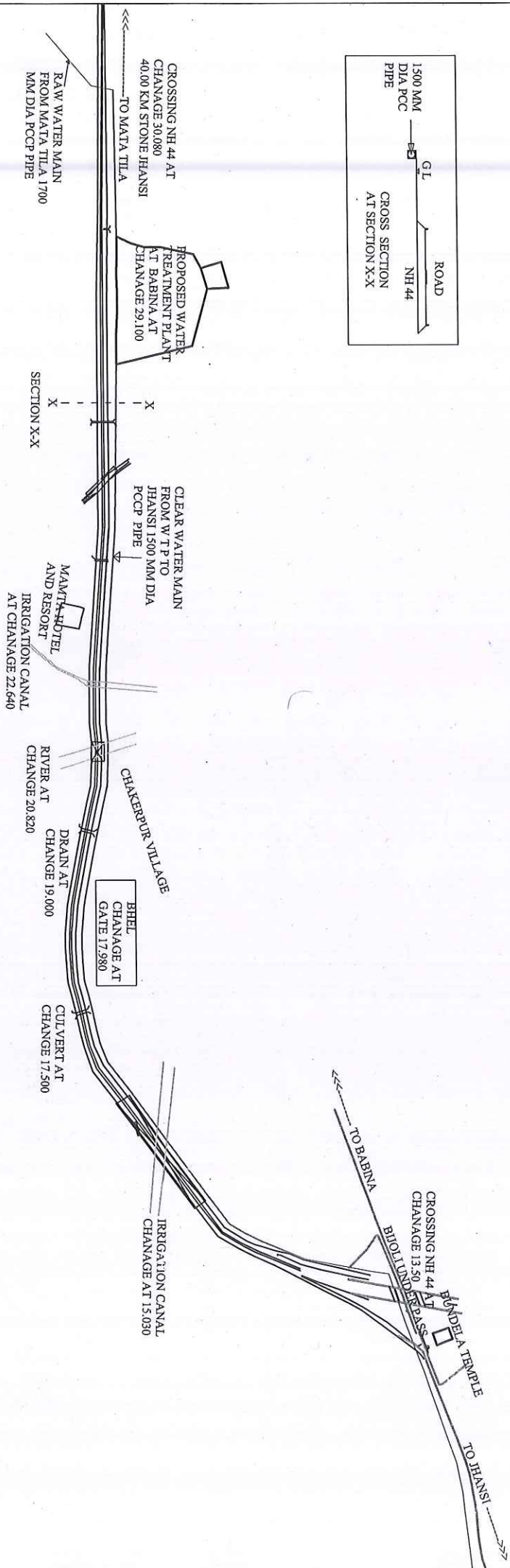
Construction Unit

U.P. Jal Nigam

JHANSI



OFFICE OF THE PROJECT MANAGER CONSTRUCTION UNIT U.P. JAL NIGAM JHANSI
 JHANSI WATER SUPPLY REORGANIZATION SCHEME PHASE II
 RAW WATER AND CLEAR WATER ALIGNMENT
 ALONG THE NATIONAL HIGHWAY 44



परियोजना निदेशक
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 NHAI, P.U. JHANSI



APPE

PE

Project Manager
 Construction Unit
 U.P. Jal Nigam
 JHANSI

For NOC for laying of pipe line at CH13.900 km to 30.080 along NH-44 & crossing under pass at CH-13.900km and culvert crossing ar CH- 30.080 From Jhansi to Babina



X-X Section



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