

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

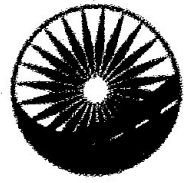
ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462 016

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



सत्यमेव जयते



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-MP/GWL/NH-44(Ambabai)/UPJNM/2022/46427

Dated: 20.04.2022

Invitation of Public Comments

Sub: Permission for accommodation of utility across Gwalior-Jhansi Section of NH-44 under Jal Jiwan Mission-Jhansi at Chainage 139.9 Km. (MP) and 140.9 Km (MP) in Ambabai Village- Invitation of the Public Comment as per Ministry Guideline dated 22.11.2016- Reg.

Ref: 1. PD, PIU Gwalior letter no. 6023 dated 17.03.2022.
4. Applicant, M/s UPJNM letter no. 2083 dated 10.12.2021.
5. Applicant, M/s UPJNM letter no. 1195 dated 19.07.2021.

Vide above reference proposal for permission of crossing for laying of subjected matter.

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 and the same should reach to below mentioned address till 20.05.2022 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.

(Abdulla Javed Azmi)
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-Gwalior (M.P.) for information.

CHECK LIST

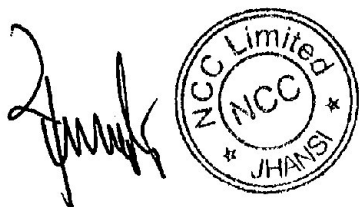
Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipeline in the land along NH-44 vested with NHAI.

Relevant Circulars:-

- 1) Ministry Circular No. NH-41(58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P/66/758 A dated 18/19.11.19758 A
- 3) Ministry Circular No. RW/NH-III/66/758 A dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI(ii) dated 28.07.1993
- 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-34066/2/95/S&R (B) dated 17.09.2003

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER SUPPLY PIPELINE ON NH 44

S.No.	Item	Information/Status	Remarks
1.	General Information	Apply for Permission of laying water pipeline parallel and crossing the NH.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Construction Division, UP Jal Nigam, Jhansi (U.P.)	
1.2	National Highway No.	NH-44	
1.3	State	Uttar Pradesh	
1.4	Location	Jhansi To Gwalior section	
1.5	Chainage in Km	Jhansi To Gwalior section as per annexure "I"	
1.6	Length in m	Jhansi To Gwalior Section,	
1.7	Width of Available ROW	As per enclosed Annexure -V	
	(a) Left side from center line towards increasing chainage / Km direction	-----Do-----	
	(b) Right side from center line towards increasing chainage / Km direction	-----Do-----	
1.8	Proposal to lay underground pipeline	As per enclosed annexure "II"	
	(a) Left side from center line towards increasing chainage / Km direction	-----Do-----	
	(b) Right side from center line towards increasing chainage/ Km direction	-----Do-----	
1.9	Proposal to acquire land	N/A	
	(a) Left side from center line	-	
	(b) Right side from center line	-	



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Manager (Tech.)
प.का.ई. (PIU)-भारत.रा.प्र. (NHAI)
ज्वालियर (म.प्र.)

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PROJECT DIRECTOR
प.का.ई. (PIU)-भारत.रा.प्र. (NHAI)
ज्वालियर (म.प्र.)

S.No.	Item	Information/Status	Remarks
1.10	Whether proposal is in the same side where land is not to be acquired	YES, No Addition al land is to be acquired to accommodate pipeline	
	If not then where to lay the cable	N/A	
1.11	Details of already laid services, if any, along the proposed route	NHAI Shall Intimate	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lanes	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 - lanes with paved shoulders & Easement /	
1.14	Service road existing or not	YES	
	If yes then which side	Annexure	
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service Road	N/A	
	(a) Left side from center line	N/A	
	(b) Right side from center line		
1.16	Whether proposal to lay water supply pipeline is after the service road or between the service road and main carriage way	N/A	
1.17	The permission for laying of Water Supply Pipeline shall be considered for approval/ rejection based on the Ministry circulars mentioned as above		
	(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	N/A	
	(b) Carrying of water pipelines 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 the final arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs, etc.	N/A	
	(c) Cost of required extension of sub structure	N/A	

[Signature]



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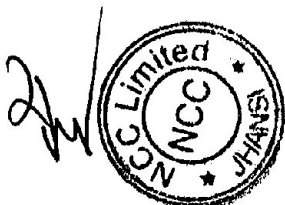
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[Signature]

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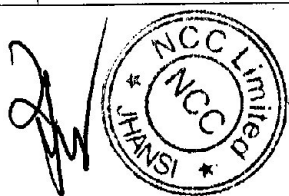
S.No.	Item	Information/Status	Remarks
	as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities.		
	(d) Services are not being allowed indiscriminately on the parapet/ any part of the bridges. Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineer only.	Yes	
1.18	If crossings of the road involved	Yes	
	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 owing the line	Yes, encasing of pipeline will be done through MS casing pipe having diameter ranging from 700mm to 250 mm.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes	
	(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 meter. What is the distance from the existing structures?	The proposed crossings will be placed more than 15 Mtr. from structures of NHAI.	
	(d) The casing pipe (or conduit pipe in the case of water pipeline) 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, 700mm to 250 mm diameter MS Casing Pipe of required 6 mm to 10 mm thickness will be used to carry the 400 mm and other dia. DI Carrier pipe. 250mm and 300mm	
	(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 toe of slope in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2 m below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes	
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete pipe.	Yes	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and	Yes	






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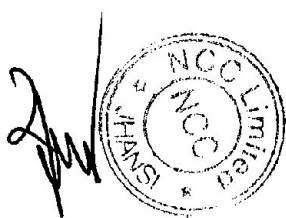
S.No.	Item	Information/Status	Remarks
	in such a manner as to prevent the formation of a water way along it.		
2	Document/Drawings enclosed with the proposal	Enclosed	
2.1	Cross-Section showing the size of trench for open trenching method (Is it normal size of 1.2 m deep x 0.3 m wide)	NA Section of trench Dia. + 1m' deep x dia. + 600mm wide. DI pipeline and others as per enclosed drawing	
	(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 1.5 meter from the center lines of the nearest carriageway	NA Extreme edge of ROW between 15-22m from center line.	
	(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.	No	
	(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 water supply pipeline, chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	The enclosed drawing showing the alignment of pipeline, edge of ROW, important milestone, cross drainage works etc Annexure 'VII'	
2.4	Methodology for laying of showing Water Supply Pipeline	Yes	
2.4.1	Open trenching method. (May be allowed in utility corridor only when pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench.	The pipeline is accommodate in utility corridor & will be executed by Open Trench Method 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.	Yes 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.	As per Cross Section NA	






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 ग्वालिअर (म.प्र.)

S.No.	Item	Information/Status	Remarks
	Unsuitable soil and rock edged should be excavated and replace by selected material.	Yes N/A	
	(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 N/A	
	(d) The side fill consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor 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 N/A	
	(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.	N/A N/A	
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Yes dd	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	N/A	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	
2.4.3	Laying of water supply pipeline through CD works and method of laying	H.D.D. Method	
	(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 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter no. NH-HI/P/66/758 A dated 19.11.1975	Yes	
3	Draft License Agreement signed by two witnesses	Page no. 9-12	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ ` 50.0 per running meter (parallel to NH) and ` 100000.00 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	To be submitted as per instructions of NHAI before commencement of Work.	

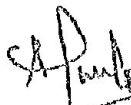




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 PROJECT DIRECTOR
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 ग्वालियर (म.प्र.)

S.No.	Item	Information/Status	Remarks
	produced due to execution of trenching at least 50 m 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.		
4.1	Performance BG as per above is to be obtained		
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes	
5	Affidavit/ Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses to either NHAI or to the concerned agency.	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI guidelines	Yes	
5.4	Shifting of water supply pipelines as and when required by NHAI at their own cost. Shifting due to 6 laning/ widening of NH	Yes	
5.5	Indemnity against all damages and claims clause (xxiv)	Yes	
5.6	Traffic movement during laying of water supply pipeline to be managed by the applicant	Yes	
5.7	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes	
5.8	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply Pipeline located in the National Highway Right of ways.	Yes	
5.9	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 pipeline will be borne by the agency owning the line.	Yes,	
5.10	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 owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes,	
5.11	Certificate from the applicant in the following format		
	(i) Laying of Water Supply pipeline will not	Yes	




 प्रमुख (तक.)
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 मालिक (म.प्र.)


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 PROJECT DIRECTOR
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 मालिक (म.प्र.)


S.No.	Item	Information/Status	Remarks
	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 not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development."	Yes	
6	Who will sign the agreement on behalf of Water Supply Pipe Line agency	Executive Engineer, Construction Division, UP Jal Nigam, Jhansi (U.P.)	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry circular No. NH-III/P/66/758 A dated 11.05.1982, 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	(Yes/ No)	
7.2	Certificate from PD in the following format	(Yes/No)	
	(i) " It is certified that any other location of the water supply pipeline would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway the likely future improvement such as widening of the carriage way, easing of curve etc."		
	(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 structures 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-lanning"		
8	If NH section proposed to be taken up by the NHAI on BOT basis-a clause is to be inserted.		




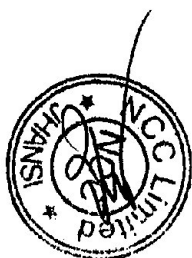
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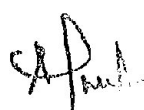
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प्रकाश (PIU)-भारतखिल (NHAI)
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S.No.	Item	Information/Status	Remarks
	in the agreement. "The permitted Highway on which licensee has been granted the right to lay cable /duct has also been granted as 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"		
9	Who will supervise the work of laying of Water Supply Pipeline	Executive Engineer, Construction Division, UP Jal Nigam, Jhansi (U.P.)	
10	Who will ensure that the defects in road portion after laying of Water Supply Pipeline are corrected and if not corrected then what action will be taken.	As already given in the agreement clause at para (viii)	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire?	Executive Engineer, Construction Division, UP Jal Nigam, Jhansi (U.P.)	
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)		
13	If any previous approval is accorded for laying of underground water supply pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

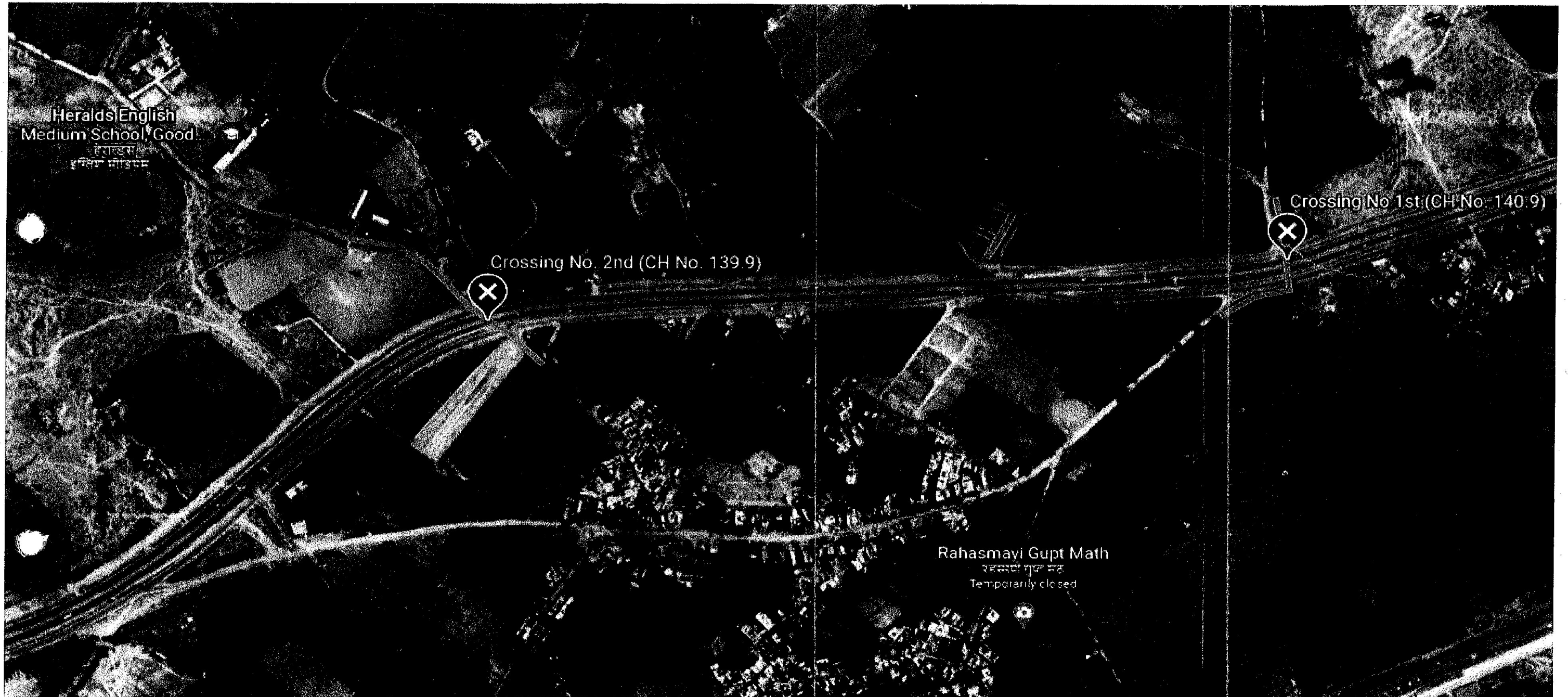

 Executive Engineer,
 Construction Division,
 U.P. Jal Nigam, JHANSI
 UP Jal Nigam, Jhansi (U.P.)


 Signature of Project Director
 परियोजना निदेशक
 PROJECT DIRECTOR
 (PIU)-भारतखिल (NH&I)
 जालियर (म.प्र.)

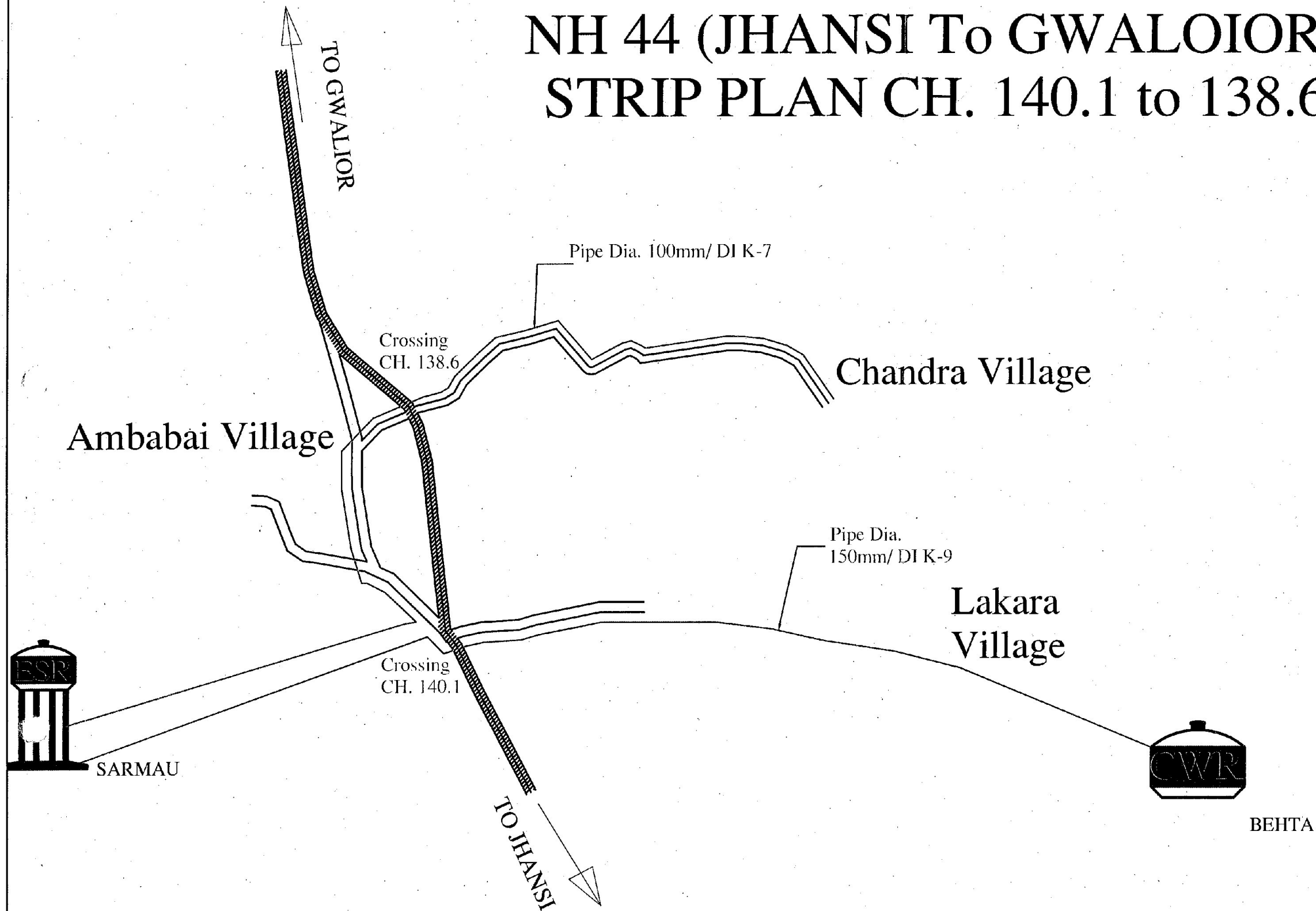



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 जालियर (म.प्र.)

ANNEXURE VI (Water Pipe line Route Map)



NH 44 (JHANSI To GWALIOR) STRIP PLAN CH. 140.1 to 138.6



SYMBOLOLOGY	
	NH-44
	B.T. ROAD
	CANAL
	CULVERT
	Over Head Service Reservoir
	Clear Water Reservoir

CONSTRUCTION OF GULARA, BACHOLI & TILAETHA
GROUP OF VILLAGE WATER SUPPLY SCHEME
DIST.-JHANSI

CLIENT: Chief Engineer (Project),
State Water & Sanitation Mission
Namami Gange & Rural Water Supply Department,
Government of Uttar Pradesh,
U.P. Jal Nigam Compound Rana pratap Marg, Lucknow - 226001

CONTRACTOR: **NCC** NCC LIMITED
Survey No. 64, Madhapur, Hyderabad - 500 081

DETAIL OF PIPE LINE CROSS TO NH-44

