



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
NHA/RO-MP/JBP/AmrutYojana Sewer/2022/ 46263



सत्यमेव जयते



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Date: 30.03.2022

Invitation of Public Comments

Sub.:- Four Laning of Jabalpur-Lakhnadon Section of NH-7 from Km 465.500 to Km 546.425 (Package-JL) in the state of Madhya Pradesh under NHDP Phase-IV on EPC mode – **Proposal for Permission to Road crossing for Sewerage Pipeline at NH-34, Under Flyover at Ch. 466+260 near Andhmukh Bypass - Reg.**

Ref. :- PD, PIU-Jabalpur letter no. NHA/PIU-JBP/NH-7(NH-34)/NNJ-AmrutYojana Sewer/2022/18856 dated 22.02.2022


The Project Director, PIU-Jabalpur NHA vide their letter dated 22.02.2022 has submitted the Proposal for grant of ROW Permission to Road crossing for Sewerage Pipeline at NH-34, Under Flyover at Ch. 466+260 near Andhmukh Bypass.

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 **29.04.2022** beyond which no comments will be considered.

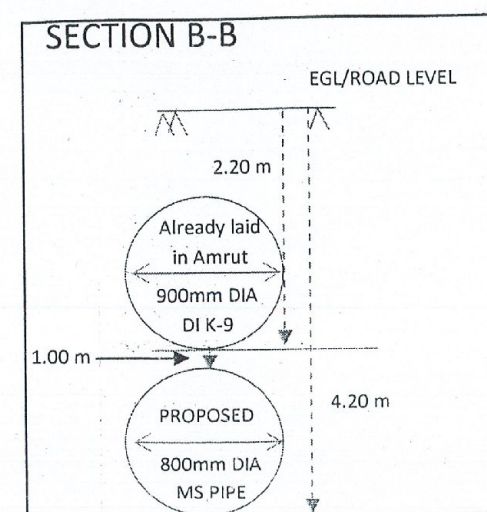
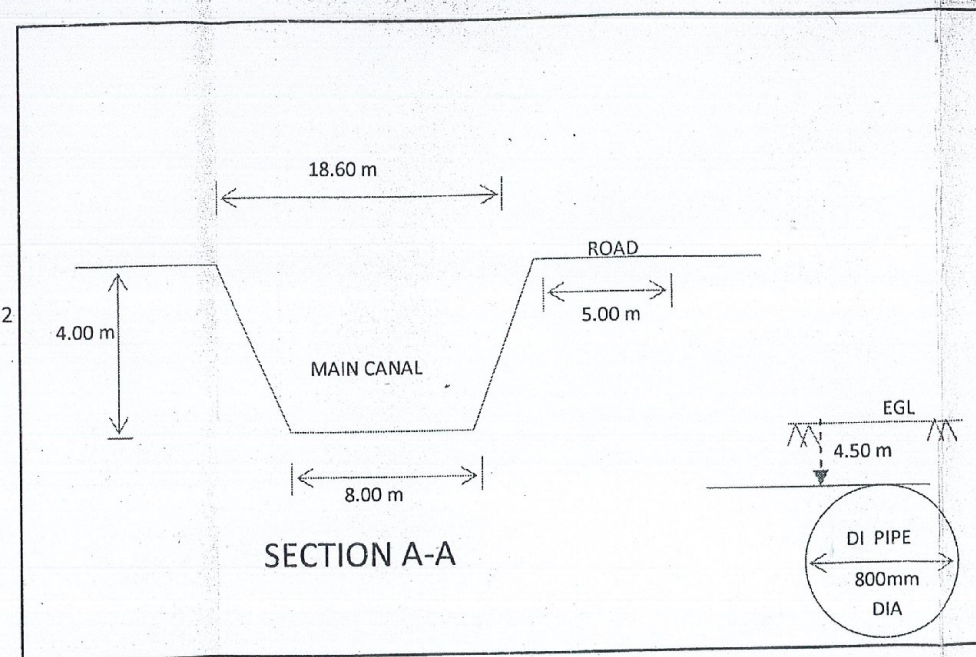
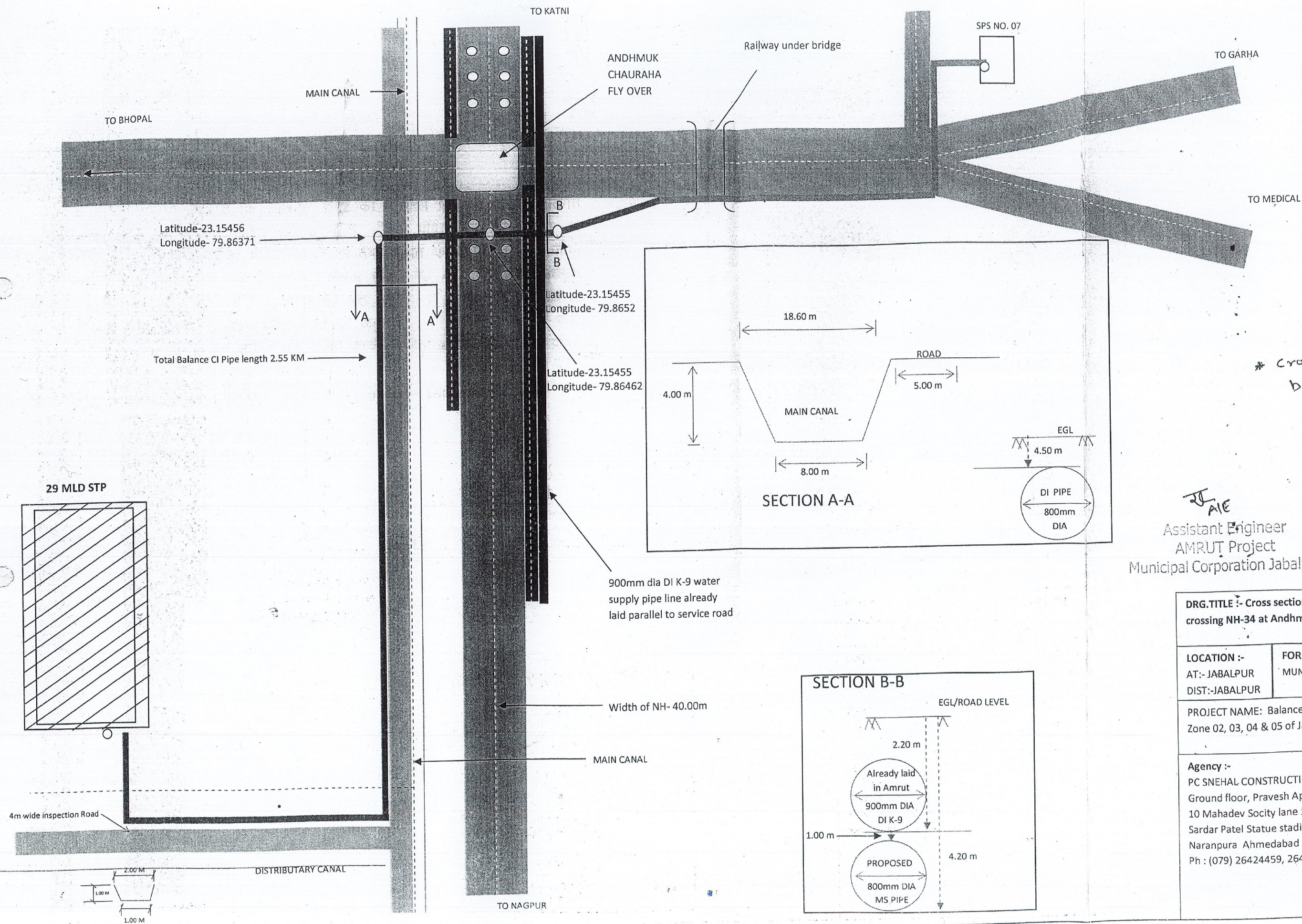
**The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Rani Kamalapati Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org**

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


(Anand Prasad)
Manager (T)

Copy to:

- Web-Admin, nhai.org@gmail.com, NHA-HQ for uploading on NHA website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, PIU-Jabalpur (MP) for information please.
- The Executive Engineer, Amrut Yojana (sewer), Nagar Nigam Jabalpur, for information.



* Crossing Proposed
by HDD

[Signature]
AIE
Assistant Engineer
AMRUT Project
Municipal Corporation Jabalpur

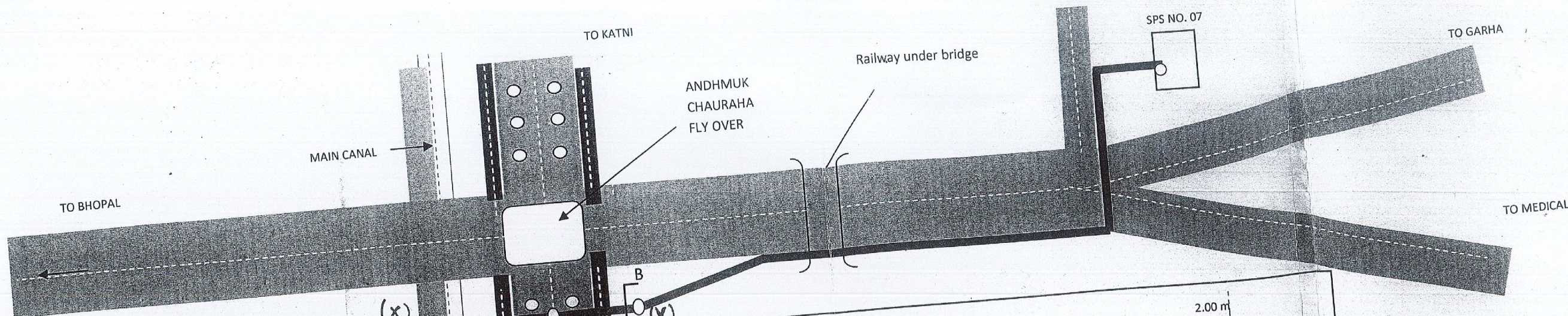
कार्यपालन सत्री
नगर पालिक निगम
जबलपुर (म.प्र.)

DRG. TITLE :- Cross section of 800mm dia MS Pipe for
crossing NH-34 at Andhmuk Bypass

LOCATION :- AT:- JABALPUR DIST:-JABALPUR	FOR:- MUNICIPAL CORPORATION JABALPUR
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PROJECT NAME: Balance work of sewerage network in
Zone 02, 03, 04 & 05 of Jabalpur municipal area .

Agency :-
PC SNEHAL CONSTRUCTION PVT LTD.
Ground floor, Pravesh Apartment,
10 Mahadev Society lane 5
Sardar Patel Statue stadium road
Naranpura Ahmedabad (Gujrat) 380009
Ph : (079) 26424459, 26424460

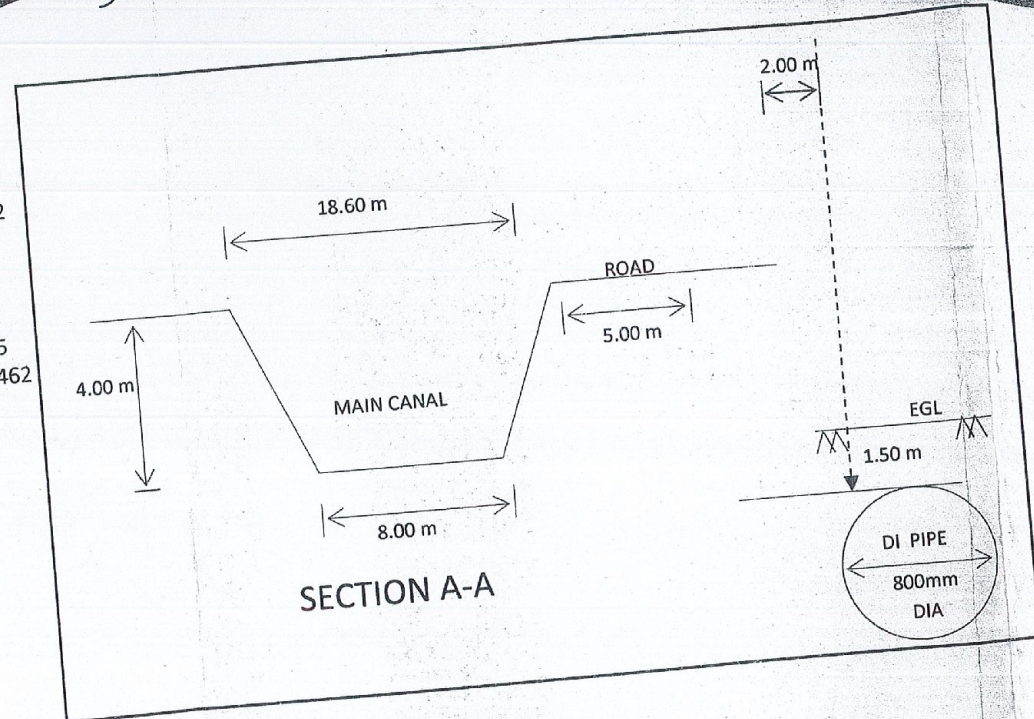


Latitude-23.15456
Longitude- 79.86371

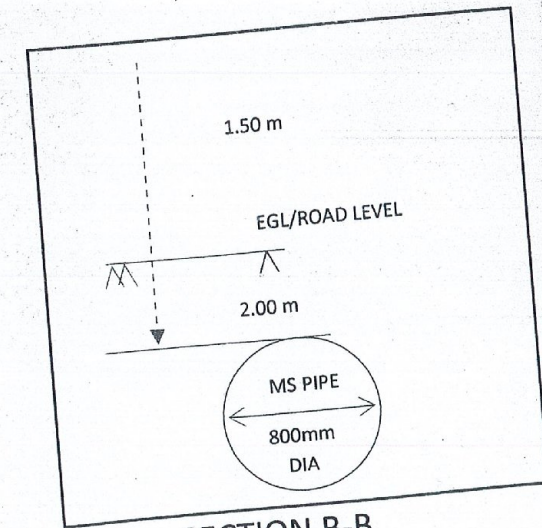
Total Balance CI Pipe length 2.55 KM

Latitude-23.15455
Longitude- 79.8652

Latitude-23.15455
Longitude- 79.86462



SECTION A-A



SECTION B-B

★ XY - CROSSING PROPOSED BY HDI

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कार्यपालक
नगर पालिक निगम
जबलपुर (म.प्र.)

DRG. TITLE :- Cross section of 800mm dia MS Pipe for crossing NH-34 at Andhmuk Bypass

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METHODOLOGY USE FOR ANDHMUK BYPASS CROSSING

HORIZONTAL DIRECTIONAL DRILLING OR TRENCHLESS TECHNOLOGY:

We are using for Andhmuk Bypass crossing by Horizontal directional drilling (HDD) is a technique. This technique is very useful for road or rail crossing without traffic disruption during pipeline installation. This method does not require the excavation of pits on either side of the crossing.

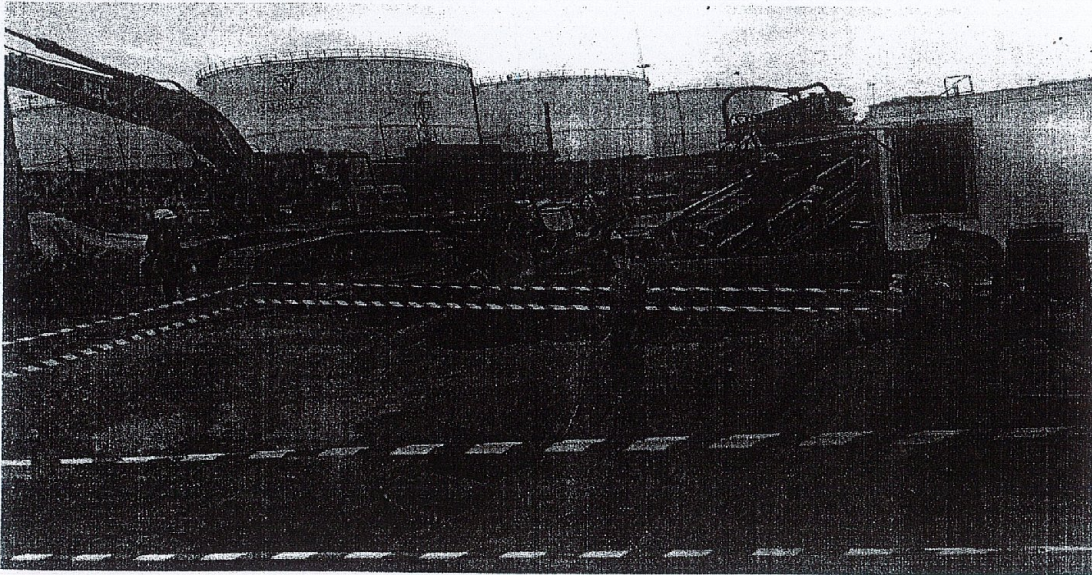
The pipeline is not installed horizontally straight. It takes a curve shape utilising the pipe flexibility. Note pipeline bends are not utilised.

After drilling is completed, the welded pipeline is connected to the drill bit/pipe assembly and pulled back into the hole until the pipeline appears at the drilling start point (Entry Point).


Some of the advantages of utilising HDD for crossing includes:

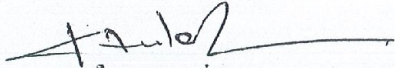
- The pipeline can be installed at greater depths across the obstacles compared to other crossing technology.
- In locations where the water table is very high, other crossing techniques might be challenging to utilise. However, the HDD rig can be set up at an appropriate stable location where the crossing can be executed.
- The entire crossing length is executed at once without breaking it into sections, as may be the case in some other trenchless technique.

HDD is a high-level technology and must be appropriately planned.



Horizontal Directional Drilling


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नगर निगम जबलपुर


कार्यपालन यंत्र
नगर पालिक निगम
जबलपुर (म.प्र.)

ANDHMUK BYPASS CROSSING CROSS SECTION :

The minimum burial depth recommended for uncased pipeline crossing roads is stated in given table no. 1.

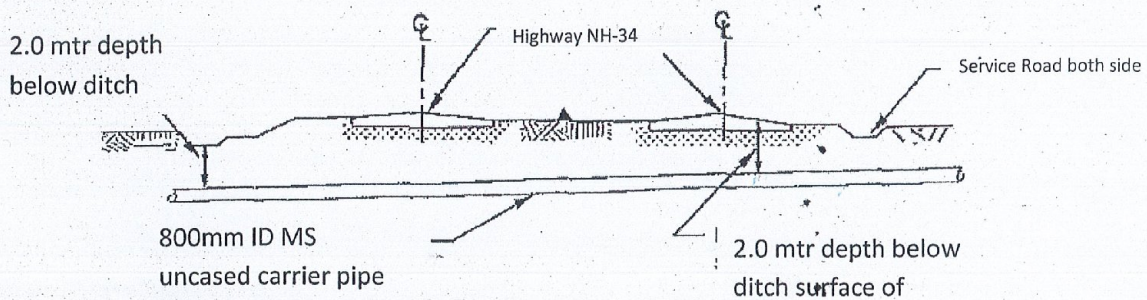
The pipeline cover is measured from the top of the pipeline to the surface of the road.

The data below and images are obtained from API 1102.

Latitude and longitude of Andhmuk bypass crossing is-

Latitude : 23.1547

Longitude : 79.8652



Andhmuk Bypass Crossing

Location	Minimum Cover requirement
Under highway surface proper.	4 ft. (1.2 m)
Under all other surfaces within the pipeline right of way.	3 ft. (0.9 m)
Pipelines transporting HVL from the bottom of ditches.	4 ft. (1.2 m)

Table no. 1: Cover Requirement for Uncased Pipeline Crossing Roads

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कार्यपालन संजी
नगर पालिक निगम
जबलपुर (म.प्र.)