



No. RW/TRI/Utility/26/2018-19

Government of India

Ministry of Road Transport & Highways

Regional Office (Kerala & Lakshadweep Region)

Public Office Building, Opposite to Museum,

Thiruvananthapuram - 695033.

Phone No. 0471-2320879, 2326306; email : rokeralamorth@gmail.com

Dated: 18.03.2019

Invitation of public comments

**Sub:-** Proposal for permission to lay Underground Water Supply pipeline by Kerala Water Authority on NH-544 between Km.280/570 and Km.280/950(Thrissur to Angamali Section) under NHAI in the State of Kerala- reg.

The proposal is seeking permission for laying Underground Water Supply pipe line along the road between Km.280/570 and Km.280/950 on NH-544 (Thrissur to Angamali Section) in the state of Kerala by Kerala Water Authority submitted to this office vide PD,NHAI, Palakkad's letter No. NHAI/PD/Palakkad/NH47/T-A/KWA Pipeline/ dated 07.03.2019 in accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying of Underground Water Supply pipe line along the NH between Km.280/570 and 280/950 on NH-544(Thrissur to Angamali Section) as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. Underground water Supply pipe line from centre of NH (m).
LHS -Size of pipe 250mm dia DI-K9 pipe			
280/570 to 280/950	0.38(Open Trenching)	30.00	15
NH Crossing -Size of pipe 2 Nos 400mm dia HDPE pipe with 500mm ms casing			
At Km.280/920	0.05(HDD)		NA
RHS- Size of pipe 350mm dia DI-K9 pipe			
280/920 to 280/950	0.03(Open Trenching)	30.00	15

3. The Executive Engineer, KWA, Project Division, Nattika has proposed to lay Underground Water Supply pipe line between Km.280/570 and 280/950 on NH-544(Thrissur to Angamali Section) by Open Trench /HDD method.

4. The Executive Engineer, KWA, Project Division, Nattika has furnished an undertaking that, they will shift the underground water supply pipe line if required by NHAI or any other Highways Authorities within the time frame prescribed by NHAI/Highways Authority. Further, it is also mentioned by the Executive Engineer, KWA, Project Division, Nattika that the proposed underground water supply pipe line work will not affect the design, stability, traffic safety and future improvement of proposed stretch. In addition, all the undertakings as prescribed in the checklist has been furnished by the Executive Engineer, KWA, Project Division, Nattika.

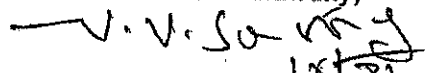
5. As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the application will be made available for public comments and the comments will be invited within 30 days from the date of uploading in the Ministry's web site.

6. In view of above, comments of the public on the above proposal is invited to the below mentioned address:

The Regional Officer  
Ministry of Road Transport & Highways,  
Public Office Building,  
Thiruvananthapuram - 695033.

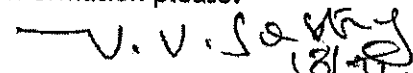
Encl: As above.

Yours faithfully,

  
(V.V. Sastry) 18/11/19  
Regional Officer cum Highway  
Administration

Copy to:

1. Senior Technical Director, NIC for uploading in the Ministry's website
2. The Project Director, National Highways Authority of India, No.8/1187, Arumughan Colony, Chandranagar, Palakkad, Kerala-678007 for information please.

  
(V.V. Sastry) 18/11/19  
Regional Officer cum Highway  
Administration



**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**  
(सड़क परिवहन और राजमार्ग मंत्रालय)  
**National Highways Authority of India**

(Ministry of Road Transport & Highways)

परियोजना निर्देशक कार्यालय

Office of the Project Director

न. 8/1187, आरुमुकन कोलनि, चन्द्रनगर, पालक्काड, केरल - 678 007

No. 8/1187, Arumughan Colony, Chandranagar, Palakkad, Kerala - 678 007

NHAI/PD/Palakkad/NH47/T-A/KWA Pipeline/280/ 207

दूरभाष/Phone : 0491-2573790

फैक्स/Fax : 0491-2573791

ईमेल/E-mail : palak@nhai.org

19.02.2019

To

The Regional Officer

Ministry of Road Transport & Highways

Regional Office (Kerala & Lakshadweep Region),

Public Office Building,

Opposite to Museum,

Thiruvananthapuram - 695033

e-mail - rokeralamorth@gmail.com

RECEIVED  
K O TVM  
21/2/19

Sub: NHAI PIU-Palakkad - Design, Construction, Development, Finance, Operation & Maintenance of 4/6-laning of Thrissur to Angamali section from Km 270+000 to 316+700 and Improvement, Operation & Maintenance from Angamali to Edappally section from Km 316+700 to 342+000 on NH-47 in the State of Kerala on BOT(Toll) basis (Package No.NS-2/BOT/ KL-1) - Request for permission to lay underground water supply pipeline on NH-544 between Km. 280+570 and Km. 280+950 for a total length of 0.460 Kms by Kerala Water Authority (KWA) Nattika - Submission of proposal - for approval - reg

Ref: 1. KWA Lr. No. D3-1394/2016 dated 14.02.2019  
2. KWA proposal dated 16.01.2019  
3. MoRTH Guideline No. RW/NH-33044/29/2015/S&R(R) Dt. 22.11.2016

Sir,

This is in regard to granting of permission to Kerala Water Authority Nattika for laying of underground water supply pipe line between Km. 280+570 and Km. 280+950 for a total length of 0.460 Kms alongside NH 544 in the Four lane stretch of Thrissur to Edappally.

The Executive Engineer KWA Nattika vide reference (2) cited above has submitted the proposal along with drawings to this office as per Ministry Guidelines vide reference (3) cited above. Accordingly, the proposal has been examined by this office. KWA has proposed to lay the water pipe line in various diameters through open trench method and HDD method as detailed below:

Sl No.	Chainage (Km)		Side	Method	Diameter of pipe	Length (Km)
	From	To				
1	280+570	280+950	LHS	Open trenching	250 mm	0.38
2	280+920		Across	HDD	2 x 500 mm	0.05
3	280+920	280+950	RHS	Open trenching	350 mm	0.03

Total length = 0.46 Km

Necessary berm is available on both sides of the RoW to perform open trenching in the above mentioned chainages and the crossing of road is to be done through HDD method in compliance to Ministry Guidelines vide reference (3).

KWA has enclosed an agreement as per Ministry Guidelines in original duly signed from their part along with the proposal. Copy of the same is forwarded to RO MoRTH. KWA will be requested to submit the necessary License fees and Performance Guarantee as per the norms stipulated in Ministry's guideline No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 after obtaining sanction from competent authority, RO MoRTH.

Vide reference (1) cited above KWA has submitted to this office a copy of the online application of the proposal submitted to Ministry's website. Therefore, after obtaining the copy of the application submitted online (copy enclosed) by KWA, this office is hereby forwarding the application with all the required documents to RO MoRTH since RO MoRTH is the Competent Authority for issuing the approval as per the circular cited under reference (3). It is requested that approval may kindly be accorded and necessary orders issued so that further necessary action may be taken in this regard.

Encl: References 1 & 2

Yours faithfully



(P. K. Suresh)  
Project Director



**KERALA WATER AUTHORITY**  
**Project Division, Nattika, PIN- 680566**

No.D3-1394/2016.

Office of the Executive Engineer  
Project Division, Nattika  
Date: 27.12.2018

From

The Executive Engineer.

To

The Project Director,  
National Highway Authority of India,  
Palakkad, Kerala.

Sir,

Sub: - 22 - RWSS - NABARD ASSISTED - RDWSS to Pudukkad, Parappukkara and Adjoining Panchayaths - Permission for laying 250/350mm dia DI K9 pipe along NH-544 (old NH 47) @ Pudukkad Jn. in the following sections A) Km 280/570 to 280/950 (LHS), B) across the road @ Km 280/920 and C) Km 280/920 to 280/950 for a total length of 0.460 Kms in the state of Kerala (250/350mm dia DI K9 pipe) - Reg.

Ref: - 1. AS No. KWA/HO/WN/06/2014-15 dated 31.05.2014 of the MD, KWA, TVM  
2. This office letters even No. dated 05.12.2016, 04.03.2017, 05.10.2018 and 09.11.2018.

We are planning to lay 250/350mm dia DI K9 pipe duct adopting various methodologies like HDD, open trench, clamping and other suitable method as required on the ground in the NHAI area for the distribution of drinking water supply from Treatment Plant.

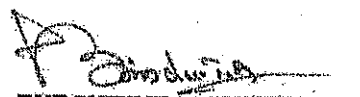
The work will be carried out as per laid down standard condition & guidelines of NHAI for laying the pipes.

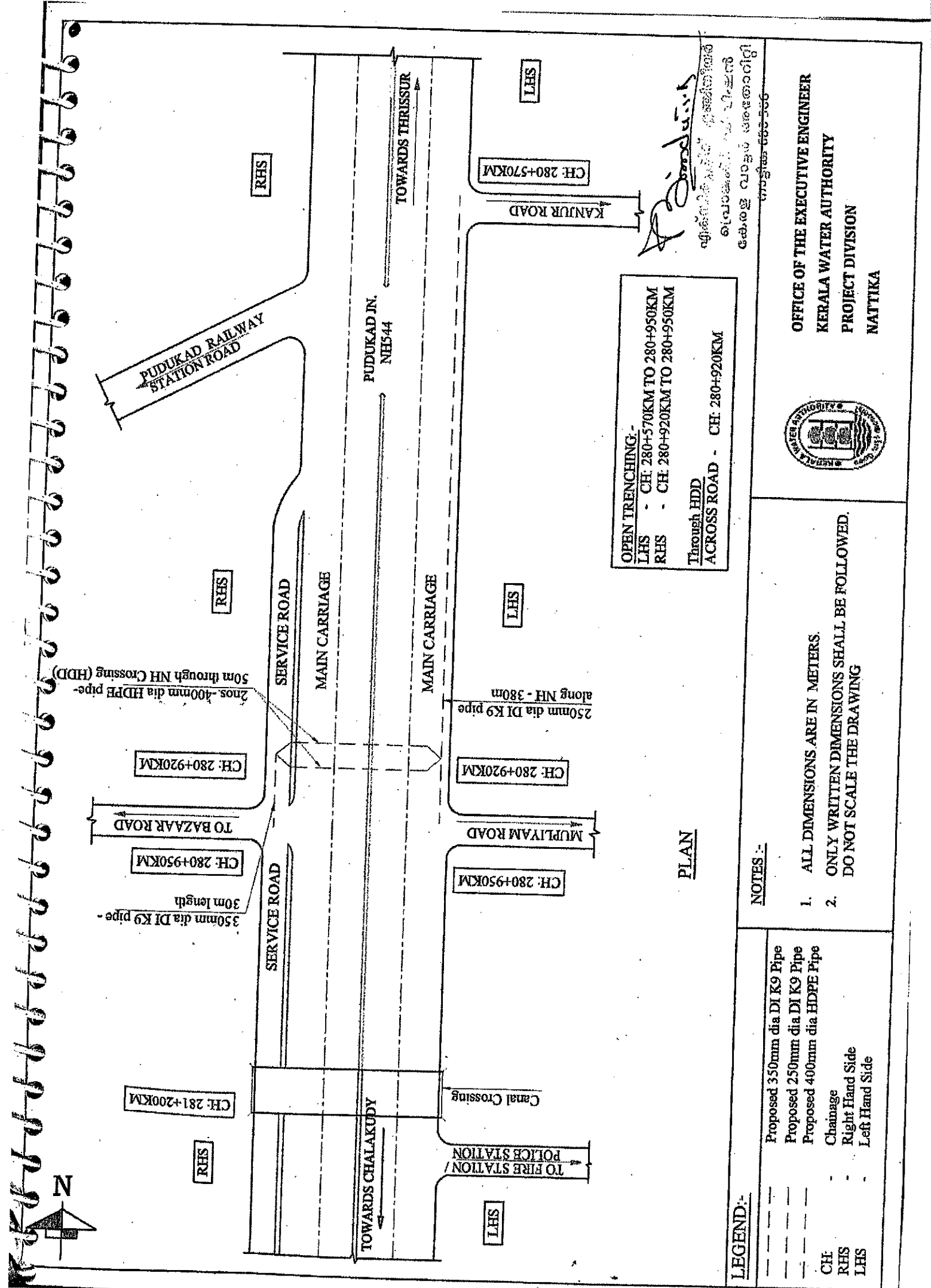
We are enclosing herewith the requisite documents for the permissions to lay the 250/350mm dia DI K9 pipes.

You are requested to kindly grant us the permission at the earliest and we intend to take up the job immediately.

Yours faithfully,

Acc :- Row proposal NH - Pudukkad.

  
**EXECUTIVE ENGINEER**  
എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ  
പ്രൊജക്ട് ഡിവിഷൻ  
കേരള വാട്ടർ അതോറിറ്റി  
നാട്ടിക-680 566



OPEN TRENCHING:-  
 LHS - CH: 280+570KM TO 280+950KM  
 RHS - CH: 280+920KM TO 280+950KM  
 Through HDD  
 ACROSS ROAD - CH: 280+920KM

### PLAN

### LEGEND:-

---	Proposed 350mm dia DI K9 Pipe
---	Proposed 250mm dia DI K9 Pipe
---	Proposed 400mm dia HDPE Pipe
CH	Chainage
RHS	Right Hand Side
LHS	Left Hand Side

### NOTES:-

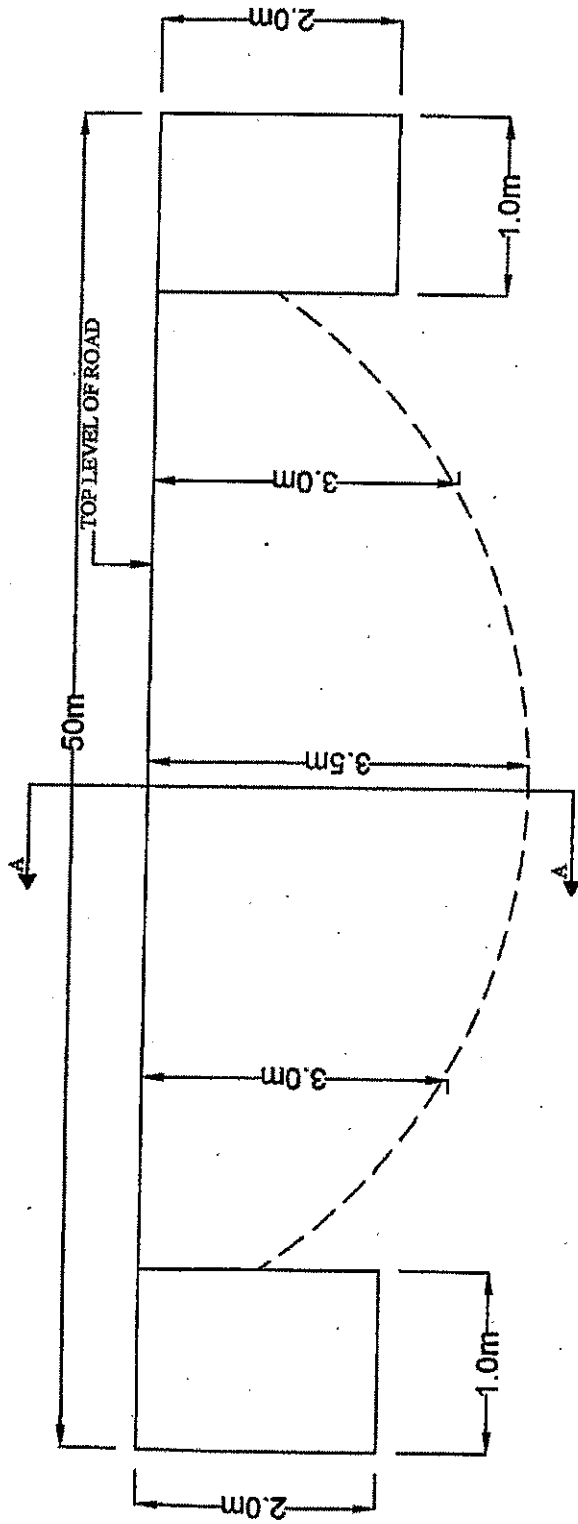
1. ALL DIMENSIONS ARE IN METERS.
2. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. DO NOT SCALE THE DRAWING



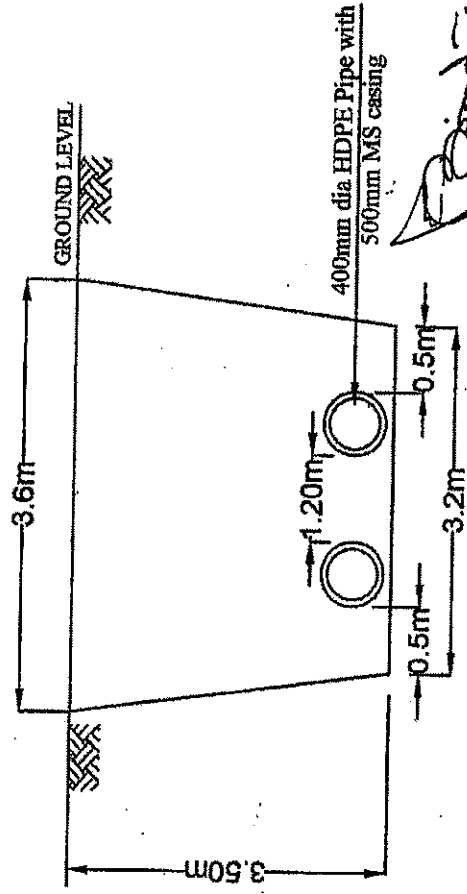
OFFICE OF THE EXECUTIVE ENGINEER  
 KERALA WATER AUTHORITY  
 PROJECT DIVISION  
 NATTIKA

*(Signature)*  
 എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ  
 കേരള വെള്ളാതൃതീർപ്പ് വിഭാഗം  
 നാട്ടിക്ക 685 566

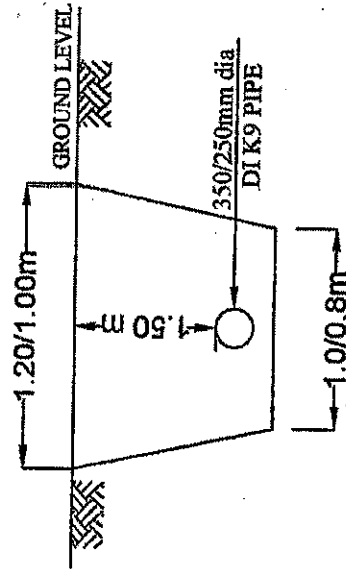
# CROSS SECTION SHOWING OPEN TRENCH METHOD & TRENCHLESS (HDD)



SECTIONAL ELEVATION OF HDD METHOD



SECTION-AA DETAILS  
OF HDD METHOD



OPEN TRENCH  
CROSS SECTION DETAILS

*Handwritten signature*

എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ  
പ്രൊജക്ട് ഡിവിഷൻ  
കേരള വാട്ടർ അതോറിറ്റി  
നാട്ടിക-680 566