



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

क्षेत्रीय कार्यालय, मदुरै / Regional Office, Madurai

दूसरा व तीसरा तल, विजय कृष्णा प्लाजा, सं. 1, लेक एरिया, मेलुर मैन रोड, माट्टुतावनी, मदुरै - 625107

2nd & 3rd Floor, Vijay Krishna Plaza, No. 1, Lake Area, Melur Main Road, Mattuthavani, Madurai - 625107

दूरभाष / Tele : +91-452-2588999 वेब / Website : www.nhai.gov.in ई.मेल / E-mail: romadurai@nhai.org



NHAI/15018/4.5/05/2024/RO Madurai/E-288040/1228

18th July, 2025

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, नागरकोइल - Operation and Maintenance of Kayathar - Kanyakumari from Km 116/500 to Km 243/470 on NH-44 - Proposal for laying of underground water pipe line (Trenchless crossing) at Km 194/100 & Km 195/900 across Kayathar -Kanyakumari section of NH-44 (Old NH-7) - **Invitation of Public Comments -Reg.**

प्रसंग : PD, Nagercoil vide Efile: 288040 Note#1.

The Proposal is regarding permission for laying of underground water pipe line (Trenchless crossing) at Km 194/100 & Km 195/900 across Kayathar -Kanyakumari section of NH-44 in the State of Tamil Nadu by Executive Engineer, TWAD Board, Urban Division, Tirunelveli has been submitted to this office by the PD, PIU, Nagercoil vide Efile: 288040 Note#1 in accordance with Ministry's latest guidelines dated 22.11.2016.

2) The alignment proposed by Executive Engineer, TWAD Board, Urban Division, Tirunelveli for laying of underground water pipe line (Trenchless crossing) at Km 194/100 & Km 195/900 across Kayathar -Kanyakumari section of NH-44 by Trenchless method is as detailed under:

Stretch in Km	Length (m)	Available ROW (in m)		Distance of erection from C/L (in m)		Remarks
		LHS	RHS	LHS	RHS	
Across NH-44: 1. Km 194/100 2. Km 195/900	60	30	30	-	-	Laying of pipe line across by HDD Method at a minimum depth of 2.0 m from top of the subgrade.

3) The Right of Way is 60 m in the aforesaid stretch. Executive Engineer, TWAD Board, Urban Division, Tirunelveli has proposed for laying of underground water pipe line (Trenchless crossing) at Km 194/100 & Km 195/900 across Kayathar -Kanyakumari section of NH-44 in the State of Tamil Nadu which is in conformity with Ministry's guidelines dated 22.11.2016.

4) Executive Engineer, TWAD Board, Urban Division, Tirunelveli has furnished an Undertaking to the effect that the applicant will move the laid water pipeline in future

(Signature)

National Highways Authority of India

if required by NHAI at any time for expansion of the NH at their own cost without claiming any compensation from NHAI. Further, mentioned that Executive Engineer, TWAD Board, Urban Division, Tirunelveli will also undertake not to damage any other utility, if damaged, will pay the losses either to NHAI or to the concerned agency.

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 proposal submitted by the applicant will be made available for public comments and the comments is invited within 30 days from the day of uploading.

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

Regional Officer,
National Highways Authority of India,
No.2nd & 3rd Floor, Vijay Krishna Plaza,
No.1, Lake Area, Melur Main Road, Mattuthavani,
Madurai - 625 007.

भवदीय



(आर. मुरुगप्रकाश | R .Murugaprakash)

उप महाप्रबंधक (तक) | Dy.General Manager (Tech)

क्षे.का. मदुरै | RO-Madurai

संलग्न: As above

प्रतिलिपि:

1. The NIC, New Delhi - for uploading in the Ministry's website.
2. The PD, Nagercoil- for information.

List of Correspondences

Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
1328872/2025/PIU - NAGERCOIL	TWAD NOC proposal Across NH-44 km 194+100 & 195+900	Receipt		15/07/2025 05:47 pm		1-38	NA



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)

उप महाप्रबंधक (तकनीकी) सह परियोजना निदेशक के कार्यालय, परियोजना कार्यान्वयन इकाई
Office of the Deputy General Manager (Tech) cum Project Director, Project Implementation Unit
नंबर.395/3-1, M.S.सड़क, मजेस्टिक कॉलनी, अय्यप्पन कोयल, पार्वतिपुरम, नागरकोविल-629003, तमिलनाडु
No.395/3-1, M.S. Road, Majestic Colony, Near Ayyappan Koil, Parvathipuram, Nagercoil - 629 003, Tamilnadu
दूरभाष / Tele: +91 4652 279155 वेब / Web: www.nhai.org ई-मेल / E-mail: kanya@nhai.org, nhainagercoil@gmail.com



NHAI/PIU/NGL/NH-44/Pipeline/2025/1627

Date: 12.07.2025

To
The Regional Officer,
Madurai Region,
National Highways Authority of India,
Madurai

Sir,

Sub: NHAI, PIU, Nagercoil - Operation and Maintenance of Kayathar -Kanyakumari from Km.116/500 to 243/470 on NH-44 - Proposal for laying of underground water pipe line across NH (Trenchless crossing) at Km.194+100 & 195+900 of NH-44 (Old NH-7) - Submitted for approval - Reg.

Ref: 1. The Executive Engineer, TWAD Board, Urban Division, Tirunelveli letter no. 2356/F.831 CWSS/JDO/U/Tly/2025 dt. 23.06.2025
2. IE letter no. MSV-Sri Infotech/114/NHAI/IE/Kayathar-Kanyakumari/NH-44/2025/227 dt. 10.07.2025

**** ** ***

It is submitted that the proposal for laying of underground water pipe line across NH (Trenchless crossing) at Km.194+100 & 195+900 of NH-44 (Old NH-7) has been preferred by the Executive Engineer, TWAD Board, Urban Division, Tirunelveli vide ref. 1st cited.

2. The proposal has been scrutinized in the light of Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and submit the following for kind approval.

i. The details of pipeline across the NH-44 (Old NH-7) are as follows:

Sl. No	Name of Village	Chainage		Side	Length in m (L)	Dia of Pipe in m (D)
		From	To			
	2.Across the road					
1	Therku Nanguneri	194.100			55	0.050
2	Therku Nanguneri	195.900			55	0.075
	Total				110	

ii. A plan showing the above mentioned NH stretch with the proposed Pipeline location, cross section of Pipeline Trench have been appended in the proposal.

- iii. The crossing of Water Supply Pipeline has been proposed to lay by HDD (Trenchless) method only.
- iv. It is also stated that there is no alternate route available for laying the water supply pipeline other than the proposed route.
- v. The Executive Engineer, TWAD Board, Urban Division, Tirunelveli has submitted an agreement in the prescribed format to be executed in case the approval is accorded.

3. In this regard, the proposal has been examined by IE and the IE vide ref. 2nd cited recommended the proposal since the same is found in order complying with the MoRTH Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

4. The license fee is calculated in line with the MoRTH circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 for amount of Rs. 62,572/- as detailed below and the same will be deposited by the applicant on approval of the Competent Authority.

Sl. No	Name of Village	Chainage		Side	Length in m (L)	Dia of Pipe in m (D)	Utilized NH land in sq.m (D x L)	Prevailing circle rate of land in sqm (Rs)	License Fee (Public Utility) (Rs)
		From	To						
	2.Across the road								
1	Therku Nanguneri	194.100			55	0.323	17.77	49.45	13.18
2	Therku Nanguneri	195.900			55	0.323	17.77	49.45	13.18
	Total				110				26.36
	License For Public Utility for 1 st Year (Minimum 10000)								₹ 10,000.00
	License For Public Utility for 2 nd Year								₹ 10,600.00
	License For Public Utility for 3 rd Year								₹ 11,236.00
	License For Public Utility for 4 th Year								₹ 11,910.16
	License For Public Utility for 5 th Year								₹ 12,624.77
	Total License For Public Utility for 5 Years								₹ 56,370.93

10. The amount of Performance Bank Guarantee has been calculated in line with the MoRTH policy guidelines dt. 22.11.2016 which is enclosed along with the proposal as detailed below:

Sl. No.	Chainage	Bank Guarantee Amount		
		Rate	Length m	Amount
	Across the Road			
1	2 Crossings (km 194.100, 195.900)	Rs. 1,00,000 per crossing		2,00,000
	Total			2,00,000

11. In view of above, considering the importance of the proposal, since the proposal is essentially required for supply of drinking water, the proposal is hereby recommended for approval of the Competent Authority on the following condition:

- As per MoRTH letter No.RW/NH-33044/29/2015/S&R(R)dated 22.11.2016 wherein "the minimum depth of top of sub grade to casing/conduit pipe

should be 1.20m". hence all water pipe line along the National Highway should be laid below 1.2m(minimum) from top of the sub grade.

- The proposed underground water pipeline should be laid at the extreme edge of ROW.

12. Hence, the proposal for laying of underground water pipe line across NH (Trenchless crossing) at Km.194+100 & 195+900 of NH-44 (Old NH-7) is hereby recommended for approval of the Competent Authority.

Thanking you



Yours faithfully,

T. Velraj
12/7/25.

(T.Velraj BRES)
Project Director
NHAI, PIU, Nagercoil

Copy to:

1. The Executive Engineer, TWAD, Urban Division, Tirunelveli for information.
2. The Team Leader, M/s. MSV-SICEPL, Tirunelveli for information.
3. The Authorized Signatory, M/s. NKTPL, Nanguneri for information.



MSV INTERNATIONAL INC.

In Association with **SICEPL**

Sri Infra Consulting Engineer Pvt Ltd
(Formerly known as Sri infotech)

MSV International, Inc.
(ISO 9001: 2015 Certified Company)
No: C29, 24th Cross Street,
Maharajanagar, Palayamkottai
Near Govt. Hospital,
Tirunelveli- 627011
Tamilnadu, India
Email: msv.kayathar@gmail.com
CIN: F 04214

Independent Engineer Services for Operation & Maintenance of (i) Kayathar- Nanguneri Section from Km 116+500 to Km 180+000 & (ii) Nanguneri - Kanyakumari Section from Km 180+000 to Km 243+470 of NH-44 (Old NH-7) on NTP mode in the State of Tamil Nadu

Ref: MSV-Sri Infotech/114/NHAI/IE/Kayathar-Kanyakumari/NH-44/2025/227

To
The Project Director
Project Implementation Unit-Nagercoil
395/3-1, M.S.Road,
Majestic Colony, Near Ayyappan Koil
Parvathipuram,
Nagercoil-629003.
Tamilnadu
Email: kanya@nhai.org, nhainagercoil@gmail.com

T-100
11/7

Inward No:	2820
Date:	11.7.25
PD	
Dy. M	
SE-1	
SE-2	
SE-3	
LO-1	
LO-2	
IT Expt.	
Acct	
Steno	
Other	

Date: 10.07.2025

Sub: Consultancy Services as Independent Engineer Services for Operation & Maintenance of (i) Kayathar- Nanguneri Section from Km 116+500 to Km 180+000 & (ii) Nanguneri - Kanyakumari Section from Km 180+000 to Km 243+470 of NH-44 (Old NH- 7) on TOT mode in the State of Tamilnadu – **Provision of water supply pipelines laying across the road with Trenchless crossing (HDD) at km.194+100 and 195+900 by TWAD Board - Issue of NOC – Recommended – Reg.**

Ref: 1. Executive Engineer, TWAD Board, Urban Division, Tirunelveli Lr No.05/F.831 CWSS/JDO/U/2025, dated:21.03.2023
2. RO, NHAI, Madurai, Lr.No. NHAI15018/4.5/03/2023/RO-Madurai/E:213395/1262, dated: 24.07.2023
3. NHAI/PIU/NGL/NH-7/NOC/2023/1537, dated: 01.08.2023
4. EE TWAD Board, Urban Division, Tirunelveli Lr No.2306/F.831 CWSS/JDO/U/Tly/2025, dated:23.06.2025
5. NHAI/PD/PIU/NGL/NH-44/TWAD/2025/1520, dated: 27.06.2025

Dear Sir,

With reference to the above subject and vide reference 1st cited, the Executive Engineer, TWAD Board, Urban Division, Tirunelveli has requested NOC for laying of water pipeline along NH-44 Madurai – Kanyakumari from Km. 190+400 to Km. 191+600 (LHS), Km. 191+600 to Km. 192+400 (RHS), Km. 194+100 to Km. 196+800 (RHS), Km. 197+850 to Km. 199+750 (LHS) & Km. 200+000 to Km. 200+600 (RHS), and Trenchless crossing at Km. 191+600, 196+800 & Km. 199+750 in Kayathar to Kanyakumari section of NH-44.

In this connection, the In-Principle Approval has been accorded for 5 years by the Competent Authority vide reference 2nd cited and the same has been communicated by the PD, PIU, Nagercoil to the Executive Engineer, TWAD Board, Urban Division, Tirunelveli vide reference 3rd cited.

In continuation of the above subject, vide reference 4th cited, the Executive Engineer, TWAD Board, Urban Division, Tirunelveli has requested NOC for laying of water pipeline across the road with Trenchless crossing (HDD) in another two locations at km.194+100 and km. 195+900 in Kayathar to Kanyakumari section of NH-44.

In this connection, vide reference 5th cited PIU-Nagercoil has asked the Independent Engineer to inspect the site and furnish the comments regarding the laying of water pipeline across the road at Km. 194+100 & 195+800 in Kayathar to Kanyakumari section of NH-44.

In this regard, the Independent Engineer has inspected the locations and scrutinized the proposal with the policy guidelines of NHAI. The NOC for pipeline laying shall be approved subject to the following candidates

1. The water pipe line laying across the road at Km 194+100 and 195+900 shall be as per HDD Method only.
2. The above proposal is complying as per the NHAI Policy circular RW/NH- 33044/29/2015/S&R(R), dated 22.11.2016. Therefore, the submitted proposal may be considered for approval with the following conditions:

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road, Gurgaon-122005 (Haryana)

E-mail: info@msvgroup.com; Tel.: 0091-124-2841160

File No. PROJ-26017 (47)/5, 2025 PIU Nagercoil (Computer No. 288045) Kenmore, Washington-98028, USA, Tel.: 001-425-488-4442, Email: info@msvgroup.com

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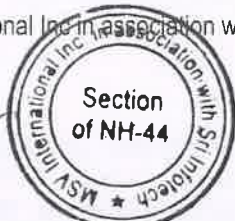
- All the pipe line laying works should be as per the approved layout drawings
- The laying of pipe line across the road in Main carriage way, Service Road and side road Should be done in HDD (Trenchless) method at depth of minimum 1.6 m from the top of Sub grade layer,
- No digging of MCW/SR/AVENUE road should be allowed.
- No damage to the existing highway, road furniture's and other existing utilities. If any damages occurred to the Highway properties, the Concerned Department should restore at their own risk and cost.
- Free flow of traffic should be maintained while carrying out the work.
- Proper Safety precautionary measures should be made available at site till the completion of work.
- Necessary sign boards should be made available at work zone locations.
- The approved drawings, methodology for the above work should be strictly followed by the applicant.
- During rainy season extra care should be taken to the excavated portions.
- During the excavation. there should not be any damages to the road properties such as existing utilities like water pipe lines, OFC lines and EB lines etc; road drains, avenue plantations earthen shoulder portions MCW/SR and road signs etc.,
- Maintain thorough records of all activities, including construction progress, inspections, and any incidents. Regularly report this information to NHAI and other relevant authorities.
- Excavation for laying work should be carried out as per the instructions and presence of NHAI representatives/ Independent Engineer/ Concessionaire.

Thanking you and assuring you of our best services at all times.

Yours Truly,

For MSV International Inc in association with Sri Infra Consulting Engineer Pvt Ltd

T. Anand Raj
10/07/25



T. Anand Raj

Resident Engineer Cum Highway Maintenance Engineer,
MSV International Inc in association with Sri Infra Consulting Engineer Pvt Ltd.

Copy to: 1. The Project Head, M/s.NKTPL - for kind information.
2. MSV International Inc, Gurgaon & Sri Infra Consulting Engineer Pvt Ltd, Hyderabad - for kind information



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

கலைஞர்
100
1924 - 2023

From

Er. V.Ramalakshmi, B.E.,
Executive Engineer,
TWAD Board,
Urban Division,
Integrated Office Complex,
Seevalaperi Road, Shanthi Nagar,
Palayamkottai,
Tirunelveli-627002.

To

The Project Director,
National Highways Authority of India,
Project Implementation Unit,
Nagercoil.

NHAI PIU-Nagercoil	
Inward No:	2587
Date:	26.6.25
PD	
Dy. M	
SE-1	
SE-2	
SE-3	
LO-1	
LO-2	
IT Expt.	
Acct	
Steno	Praoos
Other	

Lr.No:2306/F. 831 CWSS/JDO / U / Tly / 2025/ dt.23.06.2025

Sir,

Sub : CWSS to 831 rural habitations in 6 panchayat union of Tirunelveli District with river Tamiraparani as source-Laying of water pipe line Across NH - 44: Madurai - Kanyakumari (NHAI) Trenchless crossing at KM 194+100 and 195+900 -Permission Requested - Regarding.

I submit herewith the proposal for the NHAI permission in NH - 44: Madurai - Kanyakumari on the stretches mentioned below for the Scheme of providing CWSS to 831 rural habitations in 6 panchayat union of Tirunelveli District with river Tamiraparani as source

Name of road	Size of pipe	Alignment
KM 194+100	50 mm HDPE	Trenchless crossing
KM 195+900	75 mm HDPE	Trenchless crossing

I request that the above proposal may be got approved and necessary permission may please be accorded so as to start the pipe laying work and to put Public beneficial use at the earliest.

I request the early cooperation in this regard.

Encl: Proposal-3 Nos.

V. Ravel
23/6/25
Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD



**Laying of water pipe line Across NH – 44 Madurai – Kanyakumari (NHAI)
Trenchless crossings at KM 194+100 and 195+900**

**APPLICANT:
EXECUTIVE ENGINEER
TWAD BOARD,
URBAN DIVISION,
TIRUNELVELI.**

**THE PROJECT DIRECTOR
NATIONAL HIGHWAY AUTHORITY OF INDIA
NAGERCOIL**

**Laying of water pipe line Across NH – 44 Madurai – Kanyakumari (NHAI) -
Trenchless crossing at KM 194+100 & 195+900**

CONTENTS

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5	License Deed	
6	Indemnity Bond	
7	Conditions for utility crossings	
8	Strip Plan	
9	Cross Sections	
10	Guideline Value	

Proposal for Laying of TWAD Water pipes through Trenchless crossings at and KM 194+100 and KM 195+900 of NH 44 Madurai – Kanyakumari Road (NHAI)

General to Accompany All Proposals

Check List

General


- | | | | |
|----|---|---|------|
| I. | i] whether the site plan is drawn to a scale of
I: 5000 or 1: 2500 and enclosed | : | NTS |
| | ii] Whether the details of 100M on either side of
The utilizing laying have been furnished | : | No. |
| | iii] Does the site plan show in full | : | Yes. |
| | a] The NH boundary line with distance from
center Line of the road marked at salient points
where the NH land width is changing and also
at 200M intervals | : | Yes. |
| | b] The berm line and distance from centre line at
200M intervals and also at salient point of
change of width of NH land | : | Yes. |
| | c] Center line of pavement and pavement edge
line Marked distinctly. | : | Yes. |
| | d] Medians, if any, marked to scale. | : | Yes. |
| | e] The location of the utility line of proposal with
drainage; showing exact locations and distance
from NH centre line. | : | Yes. |
| | f] The existing culvert / drainage works with
dimensions. | : | Yes. |


- 2 a] Purpose of the proposal in details : CWSS to 831 rural habitation in 6 Unions of Tirunelveli District with river Thamirabarani as source under JJM
- b] Exact location of proposal : Madurai – Kanyakumari
Across the road at Km – 194+100 & 195+900
- c] Whether the applicant if private agency / public sector / Govt. department : Govt. Department
- d] Any time schedule fixed for the completion of the proposal made. : As early as possible.
- e] Reasons why the proposal could not be Accommodated outside the N.H. Land : Not feasible.
- f] Whether any other location other than this not Feasible. : No other location is possible.
- g] Whether any other than this would be difficult. : Difficult and not possible.
- h] Whether this proposal when implemented now will affect the design, stability and traffic safety of highway. : No.
- i] Whether this proposal if implemented now will affect any likely future improvement such as improvements geometric. : No.
- j] Is there any proposal for improvements in this Stretch or likely to be sanctioned in near future and whether they will be affected by this Proposal. : No

CONDITIONS

1. The pipe lines should not be laid longitudinally for considerable length along National Highways.
2. The crossing of pipe lines shall be square i.e., it should be normal to National Highways.
3. Existing drainage structures shall not be used to carry the pipe lines across unless specially permitted by Govt. of India.
4. Pipe line should be provided with a casting pipe of larger dia and with a 0.30m bedding below the casting pipe, if laid across the road.

The above-mentioned rules have been noted for guidance.


Assistant Engineer
 TWAD Board,
 Urban Sub-Division - II
 Tirunelveli - 2.


ASSISTANT EXECUTIVE ENGINEER
 TWAD Board, Project sub Division,
 Tirunelveli


Executive Engineer, TWAD Board,
 Urban Division, Tirunelveli.


PROJECT DIRECTOR
 NHAI, PIU, Nagercoil

**ANNEXURE TO ACCOMPANY PROPOSALS SUCH AS LAYING UTILITY
SERVICES LIKE PIPE LINES ALONG AND ACROSS NATIONAL HIGHWAYS**

I. LAYING OF UTILITY LINE ACROSS NATIONAL HIGHWAYS:

1. Whether the utility line is as close to the extreme edge of the right of way as possible? If not, the detailed reasons for exceptions. : Yes
2. Whether the utility line is 15M away from the C/L of the nearest carriage way? If not, the Reasons therefore (Distances should be clearly Noted) at salient points and at close intervals. : Yes
3. Does the proposal cover the area where the road formation is in double cutting. : No
4. Does the proposal run over existing culverts and bridges at any place. If so, give reasons why it cannot be avoided. : No
5. Will this proposal interfere with the maintenance of NH at any time by the execution, if permitted. : No
6. Whether the C/S of utility line as it runs along NH is given in the drawings? : Yes
 - a] Whether the top of pipe line lie at least 0.6 M below G.L. : Yes
 - b] Will it obstruct the drainage of road land : No
7. Is there a proposal to lay electric cable carrying H.T. Line? : No
 - a] If so, the necessary certificate by the proposed that it will not have any deleterious effect on any of the bridge components and High way safety for traffic. : Does not arise

B. LAYING OF UTILITY LINE ACROSS NH:

1. Chainage at which it crosses the NH : KM 194+100 and 195+900
2. Does the proposal cross the NH on a line normal to it? If not, the reasons thereof, and why it cannot be taken normal to road. : Yes, on a line normal to it
3. If the proposal for irrigation purpose? If so the concurrence of revenue Dept. has been enclosed. : Not Applicable
4. Whether there is any structure existing within 15M from the crossing? If so, the detail of such. : No
5. The reason why the crossing cannot be shifted to more than 15 from the existing structures. : Does not arise.

C. METHOD OF CASING PIPES:

- 1] Does it pass through special conduits or other structures built for this purpose : No
- 2] Does it use any of the existing drainage structures? : No.
- 3] Whether the conduit pipes have been encased : Yes
- 4] The detail of casing pipes such as its dia, materials etc : 323 mm MS Pipe
- 5] Whether the ends of casing or conduct pipe are sealed from outside so that it may not act as Drainage path. : Yes
- 6] Does the casing conduit pipe extent from drain to drain, if this is cut or from the tie or slope to Tie of slop[e in Care, if this is full. : Yes
- 7] Whether the tops of casing / conduit pipe is 1.2M below the road level subject to the conditions that it lies at least 0.5M below the drain inverts. : Yes

D. METHOD OF LAYING:

1. Will the pipe be installed under road embankment by boring or, trench method. (In case of C.C roads or dense bituminous concrete roads, only boring methods could be adopted) : crossing-Trenchless Technology
2. If trench method is adopted
 - a] Are the sides of the trench nearly vertical : Yes
 - b] What is the width of trench? Is it not less than 30cm and not more than 60cms than the outer dia if the casing pipes. : Mentioned in the drawing
 - c] Whether the bedding is of 30cm thick below the pipe? : Yes
 - d] Does it consist of granular materials or other Good materials to give a firm surface. : Good materials to give a firm surface
 - e] Are the above details shown in the sketch : Yes
 - f] Whether the back fill shall be completed in 2 Stage : Yes
 - g] Whether the side fill shall consist of pucca materials and whether will it be completed to 95% of its pro density? : Yes
 - h] Whether the road will be restored to its original state? : Yes
 - i] Whether all precautions will be taken during execution? : Yes
 - j] Whether the party agrees to meet the cost of restoring the road to the original position. : Yes

CERTIFICATE

1. This proposal when implemented will not affect the design stability and traffic safety of National Highways Authority of India.
2. This proposal implemented now, will not affect any likely future improvements such as Improvements to geometries.
3. There is no proposal for improvements in this stretch likely to be sanctioned near future.
4. The proposal is in accordance with the Government of India's Specifications.


 Assistant Engineer
 TWAD Board,
 Urban Sub-Division - II
 Tirunelveli - 2.


 ASSISTANT EXECUTIVE ENGINEER
 TWAD Board, Project sub Division,
 Tirunelveli


 Executive Engineer, TWAD Board,
 Urban Division, Tirunelveli.



தமிழ்நாடு தமில்நாடு TAMILNADU

₹ 100

Rs. 100/-

19 JUN 2025

EN 683177

M. VELMURUGAN
STAMP VENDOR L. No. 2/2003
2, Thirupugal Street,
PALAYAMKOTTAI,
TAMIL NADU.

Sub : Proposal for Laying of TWAD Water pipe line across the road Trenchless crossing at KM 194+100 and 195+900 of NH 44 Madurai – Kanyakumari Road (NHAI)

Undertaking

- 1) We Undertake not to Damage any other utility, if damaged, we will pay the losses either to NHAI or to the concerned agency
- 2) We undertake to renew the Bank Guarantee if required.
- 3) We Undertake to confirm all standard conditions of NHAI's guidelines.
- 4) We Undertake to Shift of water supply pipe line as and when required by NHAI at our own cost.
- 5) We Undertake to Shift the water supply pipe line due to 4 lanning / widening of NH at a later date.
- 6) We Undertake and Indemnify against all damages and claims as per clause (xxiv)

V. Paul
Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.


- 7) We undertake to manage the Traffic movement during laying of New water supply pipe line.
- 8) We undertake to accept any claims raised by the Concessionaire if any and the same will be paid by us.
- 9) We undertake to obtain Prior approval of the NHAI before undertaking any work of installation to the showing water supply pipe line located in the National highway right-of-ways.
- 10) We undertake to bear the Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by laying of New water supply pipe line.
- 11) We undertake to move the utility line for any work of improvement or repairs to the road If the NHAI considers if necessary in future, it will be carried out as desired by the NHAI at my cost within a reasonable time (not exceeding 60 days) of the intimation given.
- 12) We undertake to pay the fee /rent as mentioned in the Ministry's Guidelines Lr. No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NHAI.

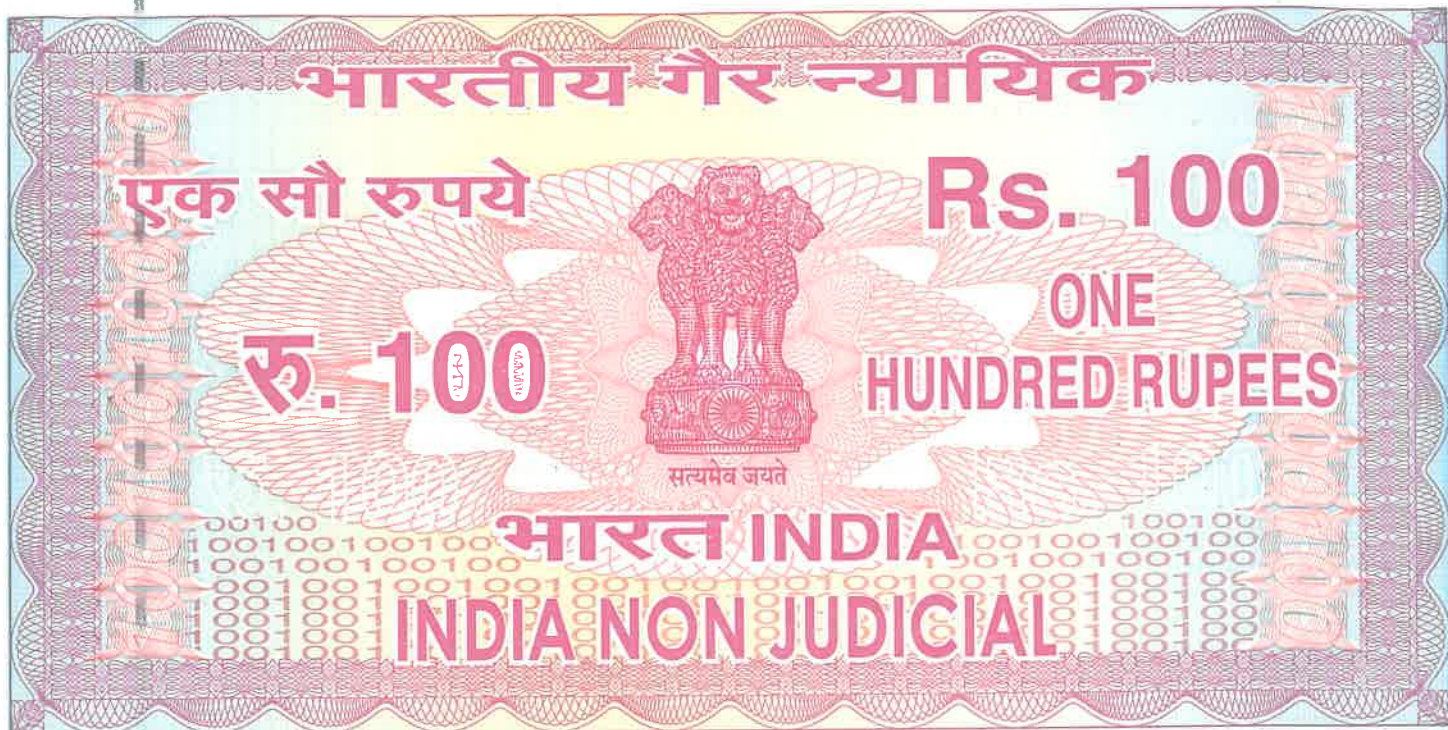
Certificate

- (i) I certify that Laying of Water Supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
- (ii) For 4/6 – lanning “ we do undertake that I will relocate service road/approach road/utilities at my own cost not with standing the permission granted within such time as will be stipulated by NHAI” for future 4/6 – lanning or any other development.


 Assistant Engineer
 TWAD Board,
 Urban Sub-Division - II
 Tirunelveli - 2.


 ASSISTANT EXECUTIVE ENGINEER
 TWAD Board, Project sub Division,
 Tirunelveli


 Executive Engineer, TWAD Board,
 Urban Division, Tirunelveli.



தமிழ்நாடு தமில்நாடு TAMILNADU

Rs. 100/-

உவாடு

19 JUN 2025

EN 683180

M. VELMURUGAN
STAMP VENDOR L. No. 2/2003
2, Thirupugai Street,
PALAYAMKOTTAI,
TAMIL NADU.

LICENCE DEED FOR LAYING OF WATER SUPPLY PIPES ON NATIONAL HIGHWAY LAND

Agreement to Lay Water pipe line across the road Trenchless crossing at KM 194+100 and 195+900 of
NH 44 Madurai – Kanyakumari Road (NHAI)

This Agreement made this _____ day of _____ (month)
of _____ year between _____ acting in his executive
capacity through the President of India / National Highways Authority of India (hereinafter
referred to as the "Authority" which expression shall unless excluded by or repugnant to the
context, include his successors in office and assigns) of the one part and Executive Engineer,
TWAD Board, Urban Division, Tirunelveli (name of the party). (herein after called the
'Licensee') which expression shall, unless excluded by or repugnant to the context, include his
heirs its successors/administrator assignees on the second part.

V. Paul
Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

Whereas the Authority is responsible, inter alia, for development and maintenance of lands in across the road Trenchless crossing at KM 194+100 and 195+900 of NH 44 Madurai – Kanyakumari Road (NHAI) of ROW

Whereas the Licensee proposes to lay water pipe line / ducts etc., referred to as utility services in subsequent paras.

Whereas the licensee has applied to the Authority for permission to lay water supply pipes along the road from Water pipe line along the road Trenchless crossing at KM 194+100 and 195+900 of NH 44 Madurai – Kanyakumari Road (NHAI) of ROW

And whereas the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

Now this Agreement witness that in consideration of the conditions hereinafter, contained and on the part of the Licensee/Licensees to be observed and performed, the Government/NHAI hereby grants to the licensee/licensees permission to lay water supply pipes as per the approved drawing attached hereto subject to the following condition namely:-

1. RoW permission are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions / scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirement being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption / damage is cause to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipments, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility / industrial infrastructure facilities.
4. The licensee shall pay license fees @ Rs /Sq. m/ month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities / cables / conduits / pipelines for infrastructure/service


**Executive Engineer, TWAD Board,
 Urban Division, Tirunelveli.**

provider. As regards Tariff and Terms and Conditions for Providing Common Utility ducts along National Highways, there shall be a separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT& H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In case where utility ducts with sufficient space are already available along NH, the Utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utilities services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc, below the bed. In case, this is not feasible, the utility services may be carried outside the railings / parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where RoW is restricted the utility service can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility service be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility service shall not interface with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provide for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility service shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and


Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.

12. Existing drainage structure shall not be allowed to carry the lines across.
13. The top of the casing / conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment - 1.
14. The utility service shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing / conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in- below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth 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. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - b. The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or bonding will not be permitted.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;


Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. Per route meter / Rs. Per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / its designed agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installation / utility services & interference, interruption, disruption or failure caused there of to any service etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench / other restoration work, the Authority shall have a right to make good the damage caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;
21. The Licensee shall shift the utility service within 90 days (or as specification by the respective Authority) from the date of issues of the notice by the concerned Authority to shift/relocate the utility services, in case it is so require for the purpose of improvement/ widening of the road/route/highway or construction of flyover/bridge and restore the road / land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the Location of other utilities/underground installation/facilities etc. the Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations /utilities/facilities etc.
23. The licensee shall be solely responsible/liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage



Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

caused to them/claims or replacements sought for, at the cost and risk of the licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/recover the claims by forfeiture of Bank Guarantee.

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of Licensee is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highways, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility service is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The Licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of agreement.

V. Gaud
Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility service without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land/property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility service located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty Charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of water pipe line in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Set at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Not with standing anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition for any loss caused to it by such cancellation not shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
 - a. Operation, repair and maintenance guidelines given by the manufacturers,
 - b. The requirements of Law.


Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

- c. The physical conditions at the site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measure like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility service, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.
42. Any disputes in interpretation of the terms and condition of this agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility service by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaries. MoRT & H/ NHAI/ implementing authorities for the project shall not be liable the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a stamp paper; each party to this Agreement has retained one stamped copy each.


Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS
 AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED
 REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

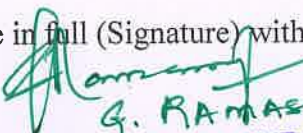
Signed by Shri (Name in full) the licensee
 The Constituted attorney of the licensee

Signed by Shri (Name in Full)
 Regional Officer,
 National Highways Authority of India
 For and on behalf of the President of India



V. RAMAKRISHNA
 Executive Engineer, TWAD Board,
 Urban Division, Tirunelveli.

In the presence of

1. Name in full (Signature) with designation

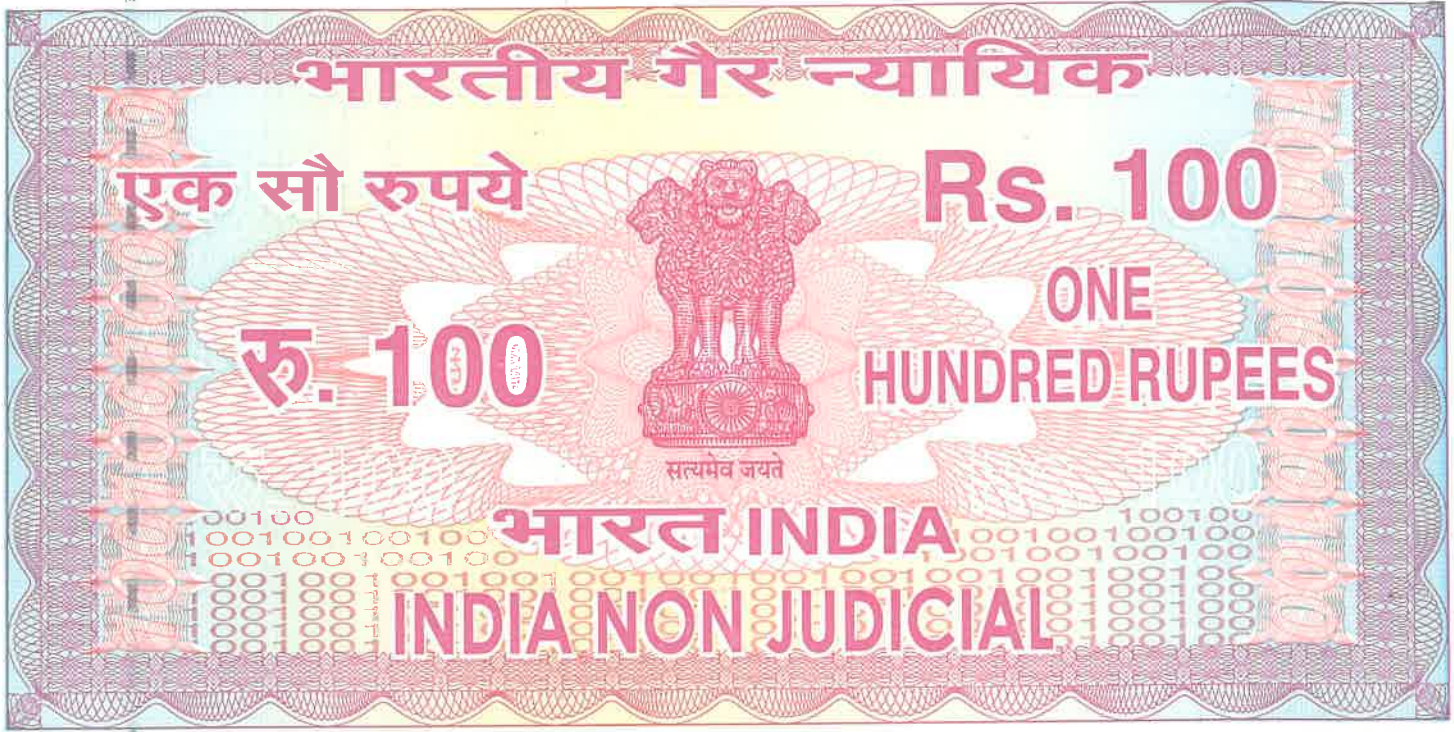

G. RAMASAMY
 ASSISTANT EXECUTIVE ENGINEER
 TWAD Board, Project sub Division,
 Tirunelveli

2. Name in full (Signature) with designation


SIVA PRASHANTH T
 Assistant Engineer
 TWAD Board,
 Urban Sub-Division - II
 Tirunelveli - 2.

1. Name in full (Signature) with designation

2. Name in full (Signature) with designation



தமிழ்நாடு தமில்நாடு TAMILNADU

Rs. 100/-

19 JUN 2025

EN 683183

M. VELMURUGAN
STAMP VENDOR L. No. 2/2003
2, Thirupugal Street,
PALAYAMKOTTAI,
TAMIL NADU.

INDEMNITY BOND

Name of Work: Proposal for Laying of TWAD Water pipe line across the road Trenchless crossing at KM 194+100 and 195+900 of NH 44 Madurai – Kanyakumari Road (NHAI)

Indemnity against all damages and claims as per Sl.No:5,6 of Checklist

We, Executive Engineer, TWAD Board, Urban Division, Tirunelveli do hereby indemnify Project Director, National Highways of India, Project Implementation Unit binding ourselves to pay all the losses and claims in respect of laying of water supply pipeline in NH-44 across the road Trenchless crossing at KM 194+100 and 195+900 of Madurai Kanyakumari Road in Tamilnadu state for a total length 1.50 Kms in National Highways, Nagercoil or maintenance thereof and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof in relation there to. Failing such payments of claims in the above work we abide in accepting for recovery such claims affected from any of our assets.

V. Paul
Executive Engineer, TWAD Board,
Urban Division, Tirunelveli.

Annexure-I

Conditions to be enclosed/incorporated in the approval letter for permission for laying of Water Supply pipe line

1. The Water Supply pipe line shall be 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.
2. The Water Supply pipe line 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 without the prior approval of NHAI/Government of India.
3. The Water Supply pipe line shall be so placed that at no time there is interference with the maintenance of the National Highways.
4. 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.
5. The authority/ owner of the under ground utility shall ensure that laying Water Supply pipe line should not have any deleterious effects on any of the bridge components and roadway safety for traffic.
6. The lines shall cross the National Highways preferably on a line normal to it or as nearly so as practicable.
7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.
8. The Water Supply pipe line is permitted to cross the National Highway, either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owning the line. Existing drainage structures shall not be allowed to carry the lines across.
9. The casing pipe (or conduit pipe in the case of electric cable) carrying the Water Supply pipe 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. Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.
10. The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.
11. The top pf the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.
12. The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall only be permitted where the existing road pavement is of cement concrete or dense bituminous concrete type.
13. 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.
14. Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type)
 - (a) The sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.
 - (b) Filling of the trench shall conform to the specifications contained herein below.

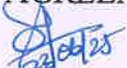
- (c) Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.
 - (d) 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.
 - (e) The sidefill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's 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.
 - (f) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highways Authority. Care shall be taken to avoid the formation of a dip at the trench.
 - (g) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.
15. If needed, a diversion shall be constructed at the expense of agency owning the Water Supply pipe line.
 16. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Water Supply pipe line located in the National highway right-of-ways.
 17. Expenditure, if any, incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water Supply pipe line will be borne by the agency owning the Water Supply pipe line.
 18. If the NHAI considers it necessary in future to move the Water Supply pipe line for any work of improvement of repairs to the road, it will be carried out as desired by the Highway Authority at the cost of the agency owning the Water Supply pipe line within a reasonable time (not exceeding 60 days) of the intimation given.
 19. The licensee shall ensure making good the excavated trench for laying Water Supply pipe line by proper filling and compaction, so as to restore the land in to the same conditions as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
 20. The licensee shall furnish a Bank Guarantee to the NHAI @ Rs50/- per running meter (parallel to NH) and Rs1,00,000/- 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 cables/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 licensee for clearing debris/loose earth.
 21. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee, the licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of the licensee failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.

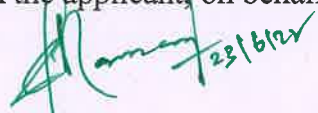
22. The licensee shall shift the Water Supply pipe line within 60 days (or as specified by the respective agency/owner) from the date of issue of the notice by the NHAI, Govt. of India to shift/relocate the Water Supply pipe line, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.
23. Regarding the location of other cables, underground installation/utilities etc, the licensee shall be responsible to ascertain from the respective agency in coordination with NHAI. The licensee shall ensure the safety and security of already existing cables/underground installation/utilities facilities etc. before commencement of the excavation.
24. The licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency/aggrieved owner for any direct, indirect or consequential damage caused to them/claims or replacement sought for, at the cost and risk of the licensee. The concerned agency in co-ordination with NHAI shall also have a right to make good such damages/recover the claims by way of invoking of Bank Guarantee furnished by the licensee.
25. If the licensee fails to comply with the condition 22 and 23 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the licensee.
26. The licensee shall procure insurance from reputed insurance company against damages to already existing cables/underground installation/utilities/facilities etc during trenching.
27. The licensee has to cross the NH by horizontal drilling method (trenchless technology only). In case any damage is caused to the road pavement in this process, the licensee will be required to restore the same to the original condition at his own cost.
28. No trenching will be done on pucca road, boring method will be used in pucca road and Water Supply pipe line will be laid at the extreme edge of the road in the non-BT surface only.
29. The licensee shall inform/give a notice to the NHAI, Govt. of India or its authorized agency at least 15 days in advance with route details prior to digging trenches for fresh or maintenance/repair work. A separate work plan and a separate performance Bank Guarantee @ Rs50/- per meter length for maintenance/ repair work shall have to be furnished by the licensee.
30. Each day, the extent of digging the trenches should be strictly regulated so that cables are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the NHAI.
31. The licensee shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the digging of trenches for laying Water Supply pipe line.
32. The NHAI has a right to terminate the permission or to extend the period of agreement. In case the licensee wants shifting, repairs or alteration to Water Supply pipe line, he will have to furnish a separate bank guarantee.
33. The licensee shall not without prior permission in writing from the NHAI Govt. of India or its authorized agency undertake any work of shifting, repairs or alterations to the said Water Supply pipe line.
34. The permission granted shall not in any way be deemed to convey to the licensee any ownership right or any interest in route/road/highway/ land/ property, other than what is herein expressly granted.
35. During the subsistence of this agreement, the laying of Water Supply Pipe Line /ducts located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of the licensee to the use thereof shall not become absolute and indefeasible by laps of time.

36. The licensee shall bear the stamp duty charged for the agreement.
37. The Water Supply pipe line shall not be brought in to use by the licensee unless a completion certificate to the effect that the laying of Water Supply Pipe Line has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
38. Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the or breach of any condition of the same and the licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
39. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance.
40. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of licensee.
41. After the termination/expiry of the agreement, the licensee shall remove the Water Supply pipe line within 60 days and the site shall be brought back to the original condition failing which the licensee will lose the right to remove the cables/ducts. However, before taking up the work of removal of Water Supply pipe line the licensee shall furnish a bank guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way.
42. If NHAI is required to do some emergent work the licensee will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.
43. The enforceability of the Right-of Way permission granted here in shall be restricted to the extent of provisions/scope of service contained/defined in the license agreement and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope.
44. Strict compliance of the following by the Project Director:
 - a) If the licensee fails to inform the commencement of laying of Water Supply pipe line 15 days before the actual start of the work at site the agreement should be null and void.
 - b) It is to be intimated to the HQ that, actual work has already been started at the site as per the provision of the agreement and the conditions stipulated in the Ministry Circular No. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular 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/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, 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 17.9.2003.
 - c) An interim execution progress report /status report shall be submitted to NHAI HQ after one month of the start of the work at site, regarding the satisfactory progress of the laying of Water Supply pipe, as per the specification/stipulation and the alignment as approved.
 - d) The final completion certificate shall be issued/submitted by PD to the HQ to the effect that, the work has been completed to the entire satisfaction of the Project Director and there were no violation of any condition / stipulation contained in the agreement, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-

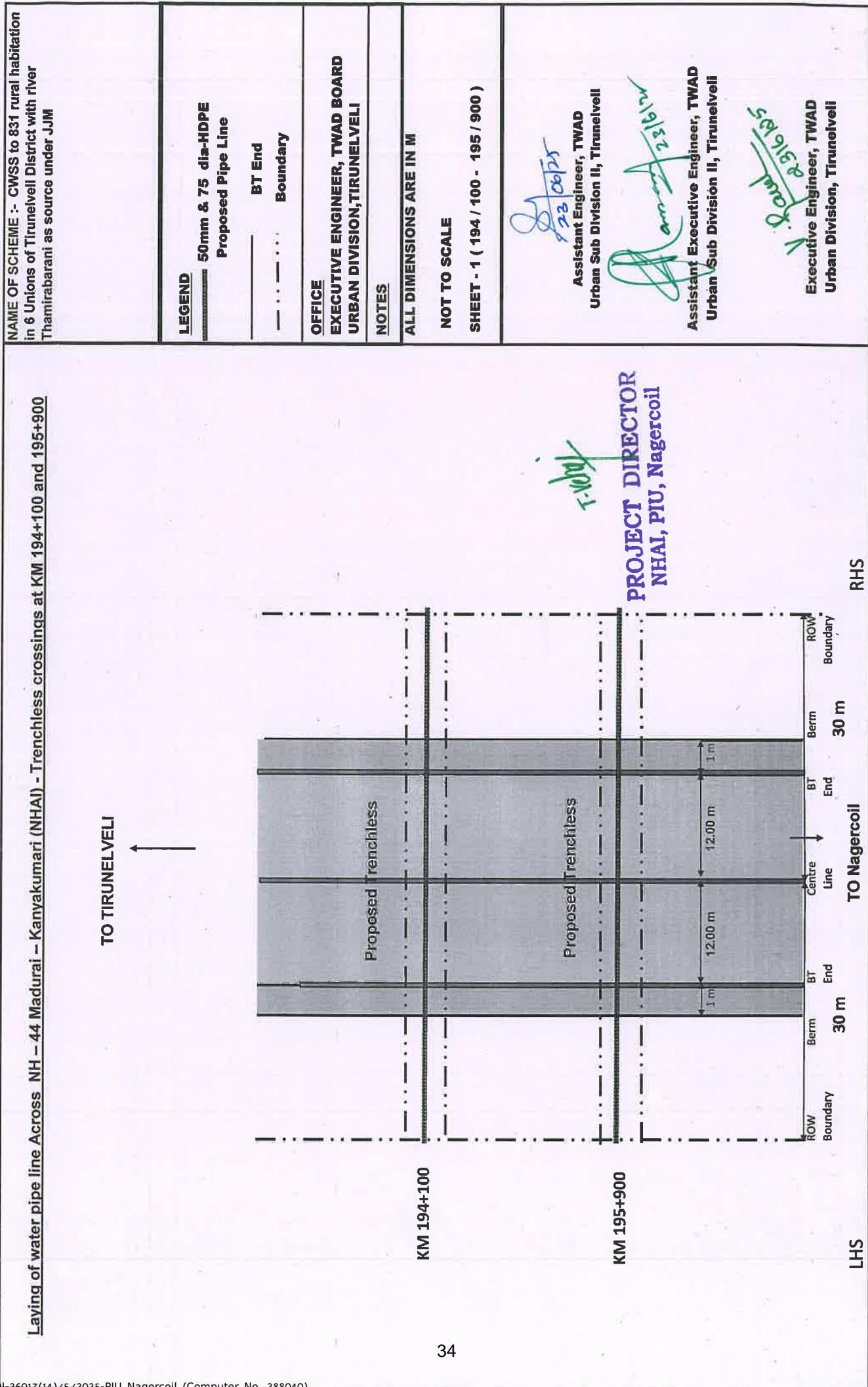
III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003. and the approved plan.

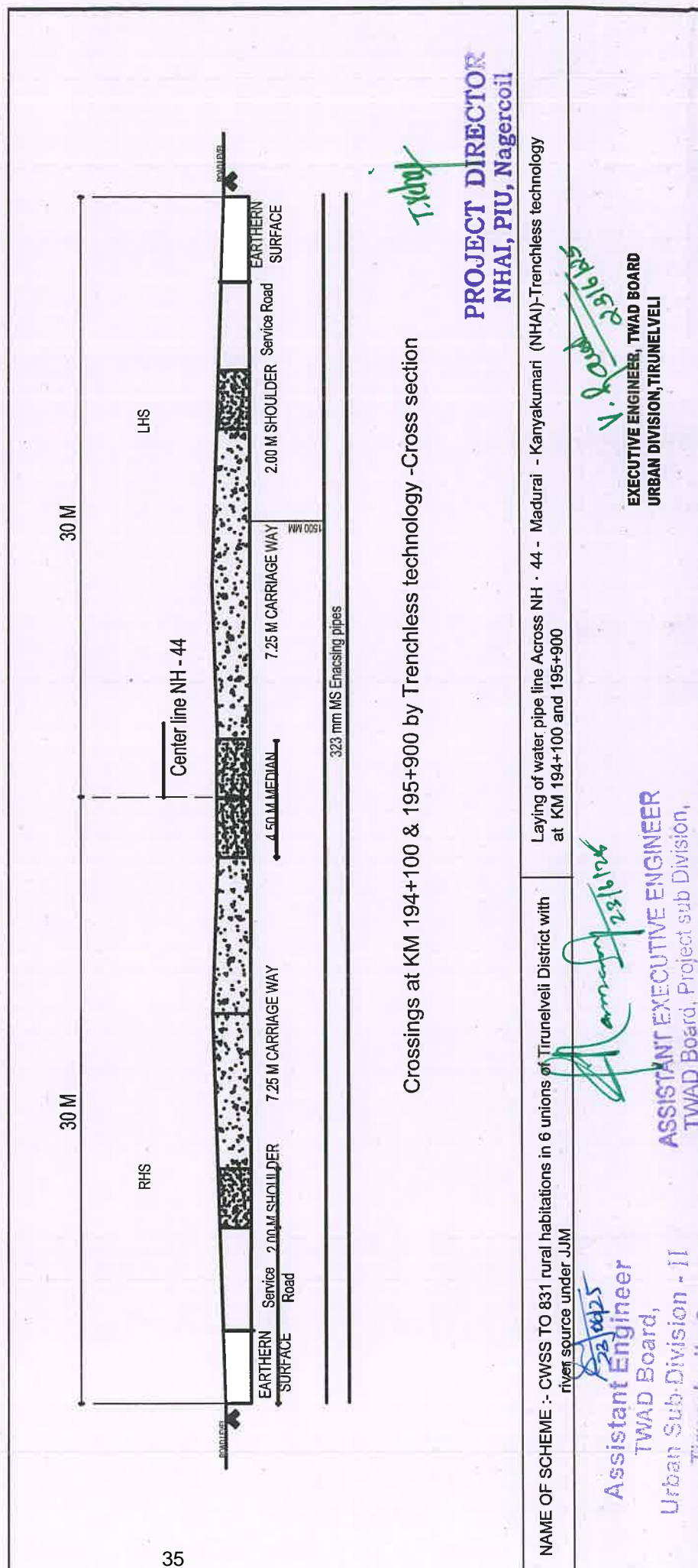
- e) To obtain a performance bank guaranty @ Rs. 50/- per running meter of NH and Rs.1,00,000/- per crossing of NH from the licensee to safe guard the interest of NHAI.
- f) A register of records of the permissions accorded has to be maintained by the PD in the prescribed proforma (copy enclosed).
- g) Project Director is authorized to sign an agreement (IN ACCORDANCE WITH THE MODEL AGREEMENT) with the applicant, on behalf of NHAI.

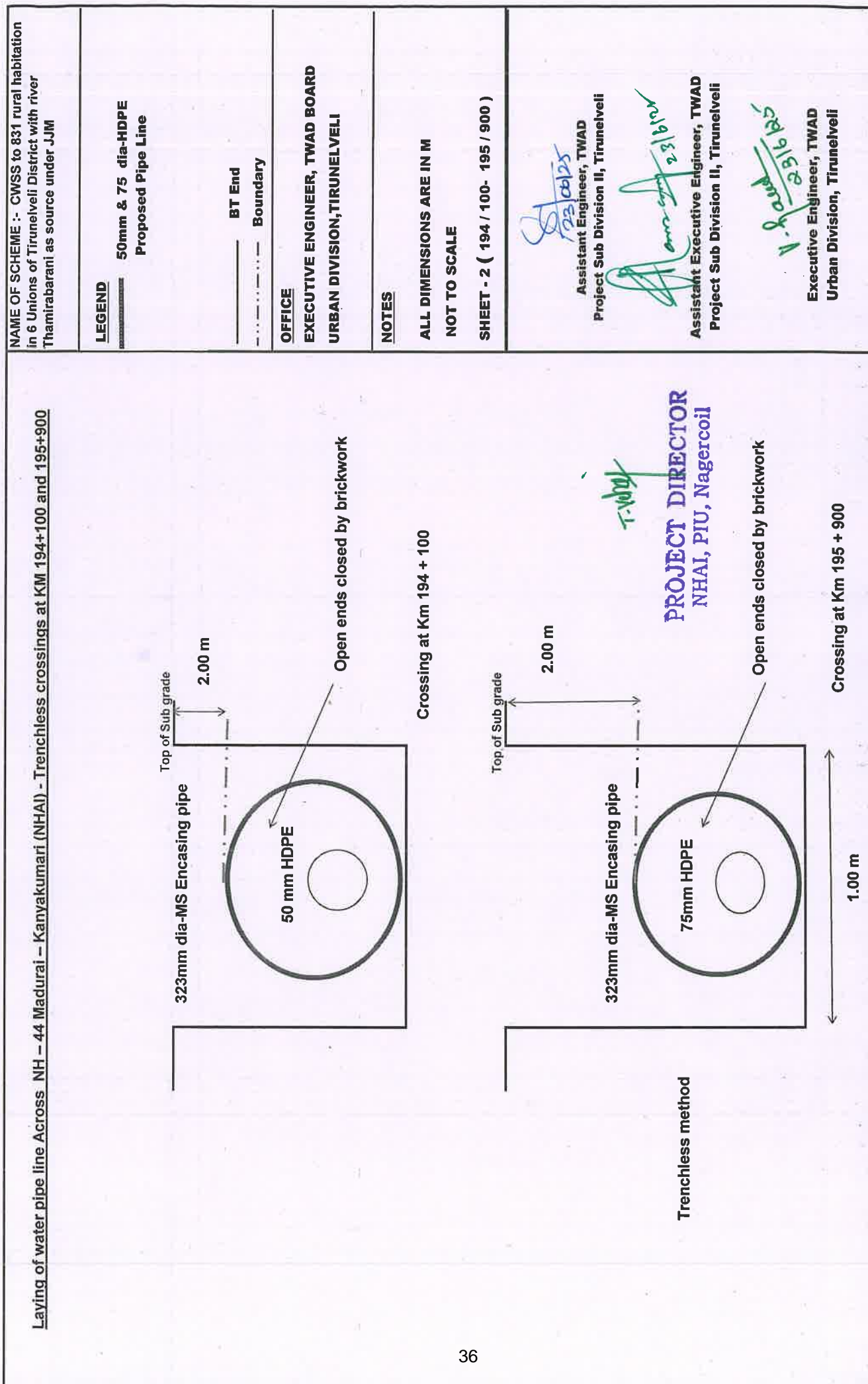

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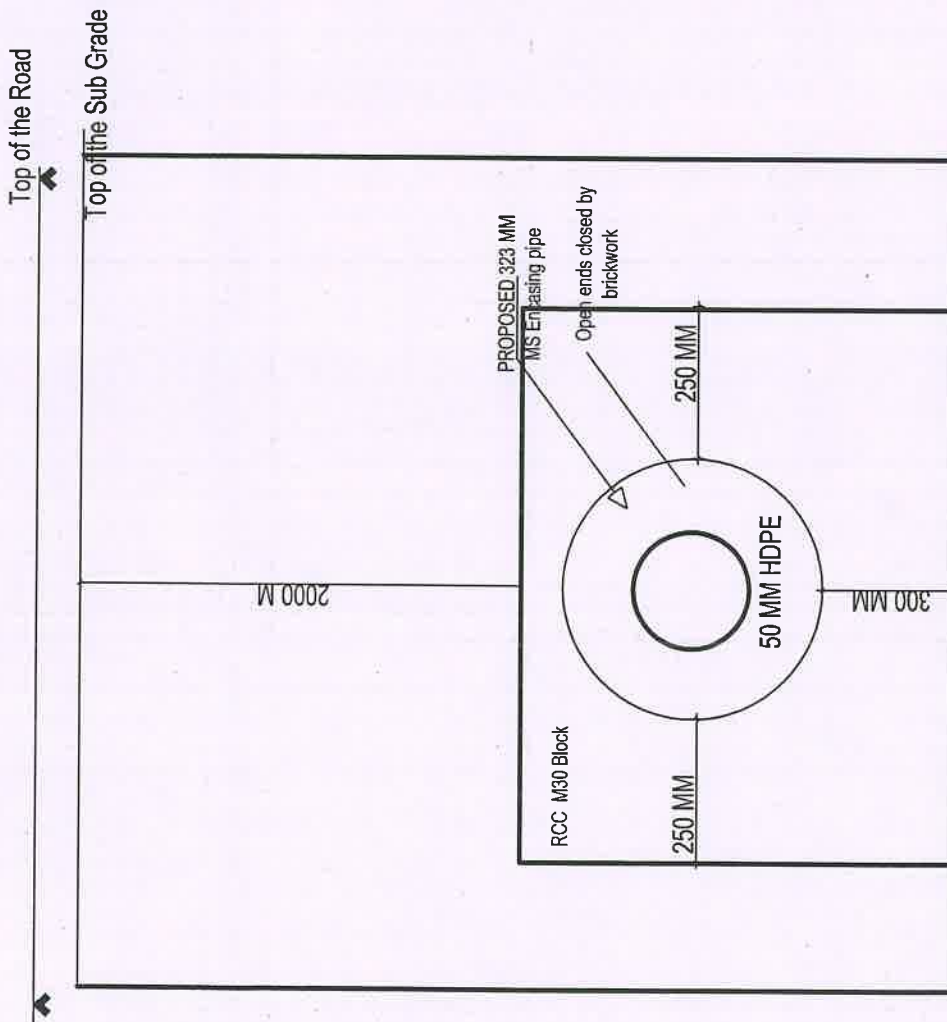

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PROJECT DIRECTOR
NHAI, PIU, Nagercoil

Crossing at KM 194+100 by Trenchless technology-Cross section

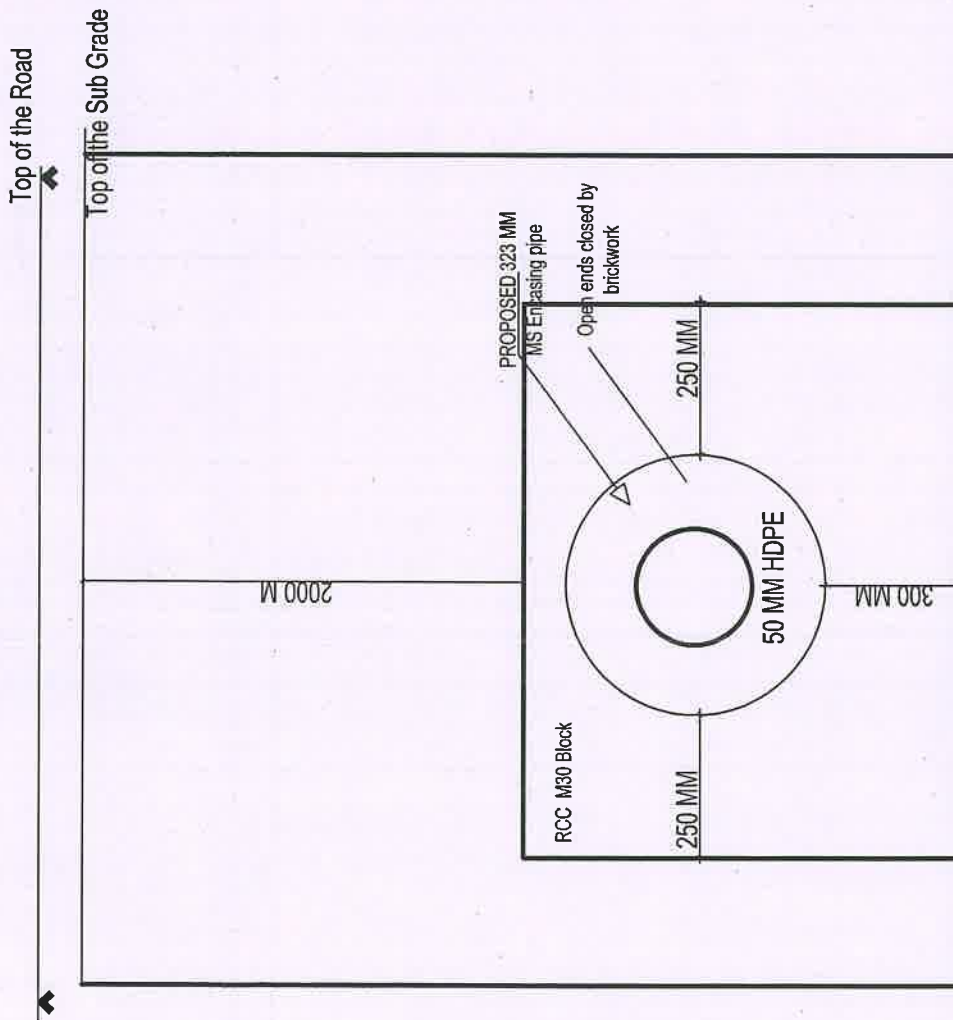
NAME OF SCHEME :- CWSS TO 831 rural habitations in 6 unions of Tirunelveli District with river source under JMM

Laying of water pipe line Across NH · 44 - Madurai - Kanyakumari (NHAI) trenchless at KM 194+100

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தேடுதல் வரையறை:

மண்டலம்:

வழிகாட்டி பிராந்தம்:

வருவாய் மாவட்டம்:

திருநெல்வேலி

தெற்கு நாங்குநேரி

திருநெல்வேலி

சார்பதிலாளர் அலுவலகம்:

வருவாய் பிராந்தம்:

வருவாய் வட்டம்:

நாங்குநேரி

தெற்கு நாங்குநேரி

நாங்குநேரி

3
கீழ்க்கண்ட தேடுதல் முடிவானது 20-Jun-2025 அன்று 04:31 PM -க்கு உட்பட்டதாகும்

ஒரு இனம் உள்ளது: பார்வைக்கு

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முத்திரை வரையறை பட்டியலுக்கு திருப்பாத் செல்க

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V. Ramesh
23/6/25

T. V. R.