



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/15018/4.1/01/2025/RO Madurai/E-221983/ 586

1st April, 2025

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, मदुरै - Four Laning of Thirumangalam - Vadugapatti section of NH-744 - Permission for laying of water pipeline from Km 33/650 to Km 35/550 (RHS), Km 35/550 to Km 35/900(LHS) and crossing at Km 35/550 - Invitation of Public Comments -Reg.

प्रसंग: PD, Madurai Lr. No. NHAI/PIU/MDU/NH-744/Utility/NOC/TWAD/2025/357 dated 06.03.2025.

A proposal regarding permission for laying a water pipeline from Km 33/650 to Km 35/550 (RHS), Km 35/550 to Km 35/900 (LHS), and a crossing at Km 35/550 in the Thirumangalam-Vadugapatti section of NH-744 in the State of Tamil Nadu, submitted by the Executive Engineer, TWAD Board, Project Division, Rajapalayam, has been forwarded to this office by the PD, PIU, Madurai, vide Letter No. NHAI/PIU/MDU/NH-744/Utility/NOC/TWAD/2025/357 dated 06.03.2025, in accordance with the Ministry's latest guidelines dated 22.11.2016.

2. The alignment proposed by the Executive Engineer, TWAD Board, Project Division, Rajapalayam, for laying the water pipeline is detailed below:

Stretch in Km	Length (m)	Dia. Of the pipe (m)	Available ROW (in m)		Distance of erection from C/L (in m)	Remarks
			LHS	RHS		
Along NH-744: Km 33/650 to Km 35/550 (RHS)	1900	0.063	22.5	22.5	22.0	Laying of pipeline along the extreme edge of ROW at a distance of 0.5 m from ROW edge.
Km 35/550 to Km 35/900 (LHS)	350	0.063				

Page 1 of 2

National Highways Authority of India

NHAI/15018/4.1/01/2025/RO Madurai/E-221983/ 586

1st April, 2025

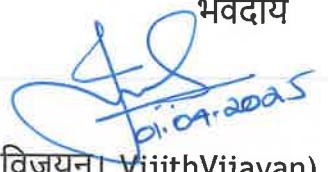
Across NH-744:							
Km 35/550	45	0.168	—	—	—	—	Laying of pipeline along by HDD Method at a minimum depth of 1.5 m from the top of the sub-grade.

3. The applicant's proposal conforms with the Ministry's guidelines dated 22.11.2016. Further, the applicant has furnished an undertaking to the effect that the laid water pipeline will be shifted within 90 days, at the applicant's own cost and without claiming any compensation from NHAI, if required by NHAI at any time for expansion of the National Highway. Additionally, the Applicant has undertaken not to damage any existing utilities during the execution of the work, and in case of any damage, to bear the cost of restoration and compensate NHAI or the concerned agency, as applicable.

4. 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 feedback is invited within 30 days from the date of uploading.

In view of the above, comments of the public on the above proposal are 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

(विजित विजयन | VijithVijayan)
प्रबंधक (तक) | Manager (Tech.,)
क्षे.का. मदुरै | RO-Madurai

संलग्न: As above

प्रतिलिपि:

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



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

Project Implementation Unit, Madurai / परियोजना कार्यान्वयन इकाई, मदुरै
दरवाज़ा नंबर. 733, गोमतीपुरम 6 वीं मुख्य सड़क, मदुरै - 625 020 तमिलनाडु
Door No. 733, Gomathipuram 6th Main Road, Madurai - 625 020 Tamil Nadu
ई-मेल/E-mail : mad@nhai.org, nhai_madurai_piu@yahoo.co.in वेब / Website : www.nhai.gov.in



दूरभाष/Tele : 0452-2587750

NHAI/PIU/MDU/NH-744/Utility/NOC/TWAD/2025

To

Date:06.03.2025

The Regional Officer,
National Highways Authority of India,
Madurai.

Sub: NHAI, PIU, Madurai -Four laning of Thirumangalam - Vadugapatti section from Km.0.000 to Km.36.000 in the State of TamilNadu on EPC mode under Bharatmala Pariyojana Scheme - Permission for laying of Water pipeline from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and crossing at Km.35+550 in of Thirumangalam - Vadugapatti section of NH-744 in the State of TamilNadu - Proposal Submitted- Approval Requested - Reg

Ref: 1. EE, TWAD, Project Division, Rajapalayam Lr.No.1302/F.1286 CWSS/JDO/NHAI/RJPM/2025/ 13.02.2025.
2. AE, M/s.TASPL-SA Infra-JRCSPL (JV) Lr.No.TASPL/NHAI/PIU-MDU/AE/PKG-I/TN/ 2024-25/302 Dt:30.12.2024
3. This Office E.Mail Dt:25.12.2024
4. EE, TWAD, Project Division, Rajapalayam Lr.No.1212/F.1286 CWSS/JDO/NHAI/RJPM/2024/ 12.12.2024 (Received on 23.12.2024)

Sir,

Vide letter under ref(4), the Executive Engineer, TWAD Board, Projects Division, Rajapalayam has submitted a proposal seeking Permission for laying of Water pipeline from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and crossing at Km.35+550 in of Thirumangalam - Vadugapatti section of NH-744 in the State of TamilNadu. Vide reference 3rd cited, the proposal was forwarded to the Authority Engineer M/s.TASPL-SA Infra-JRCSPL(JV), T.Kallupatti, Madurai for verification of the above proposal.

2. Vide ref.2nd cited, the Authority Engineer, M/s.TASPL-SA Infra-JRCSPL (JV), T.Kallupatti has recommended the proposal with the following conditions,

- No damage to the existing highway, Road furniture's and other existing utilities. If any damages occurred to the Highway properties, the applicant/ concern department should restore the same 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.

- The approved drawings, methodology for the above work should be strictly followed by the applicant.
- In case of improper restoration or defects found after laying, the bank guarantee will be forfeited & appropriate action shall be taken.
- During the execution of work, utmost care should be taken and not to cause any damages to the road properties such as existing utilities (Electrical Lines, Water/Sewage Lines, OFC etc.,) drains, Hand Rails, Service roads, avenue plantation, sign boards etc.,
- Shifting of such Water pipeline shall be done by the applicant with their own risk and cost as and when required by the NHAI for any improvement works.
- Excavation work shall be carried out as per instructions of concerned Concessionaire Representatives/AE Representatives/NHAI Representatives.
- During rainy season, extra care shall be taken to the excavated portions.
- Necessary sign boards have to be provided in the working zone areas as per IRC SP 55.
- Submit Traffic Management Plan before start of work and ensure to follow all work zone plan as per IRC SP 55.
- Necessary safety arrangements shall be made during the work plan as per IRC SP 55.
- While Carrying work the Existing Avenue/ Median Plantation should be protected. If any damages occurred applicant should be restored 1: 10 ratio of Plantation at their own cost.
- After completing the work of laying Water pipeline, restoration work for construction of existing road must be as per NHAI Guidelines, MoRTH specification and as per relevant IRC standards.
- All the construction work should be carried out as per MORT&H specification and IRC/IS guidelines.
- During execution of work there must be proper intimation of stage wise work to Concessionaire & Independent Engineer team.
- The HDD method should also be employed along the road if there is any obstruction or proximity to permanent structures.

3. PD Comments/Recommendation:

- i. The proposal is examined as per Ministry's Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and recommended the instant proposal.
- ii. The proposed water pipeline laying across the road at Km.35+550 in Thirumangalam - Vadugapatti section of NH-744 in the State of TamilNadu at the depth of 1.5m from

iii. Further, the applicant has certified that, due to laying of proposed water pipeline along & across the road, the existing utilities, NHAI properties, avenue & median plantation, Road furniture, Drain & structures if any damage occur the applicant will restore at their own risk & cost.

Cost of Restoration Charges along the road @2250m x Rs.100 per meter (<=300mm dia/width)	2,25,000
Cost of Restoration Charges @ Rs. 1 Lakh per crossing (1 No.)	1,00,000
Total cost of restoration charges – Rs. 3,25,000/-	

- v. Calculation of License Fee:

LICENSE FEES FOR PUBLIC UTILITY									
[Utilized NH Land area X prevailing Circle Rate of Land per unit area) X (1.5%)]									
Sl. No	NAME OF VILLAGE	CHAINAGE IN KM		SIDE	LENGTH (L) (in mt)	DIA OF THE PIPE (D) (m)	UTILIZED NH LAND AREA (D x L) (sq.m)	PREVAILING CRICLE RATE OF LAND PER UNIT AREA (sq.m) (Rs)	LICENSE FEE (PRIVATE UTILITY) (Rs)
		FROM	TO						
Area Occupied along the road									
1	Alagupuri	33+650	34+300	RHS	650	0.063	40.95	247.10	151.78
2	Vadugapatti	34+300	35+550	RHS	1250	0.063	78.75	247.10	291.89
3	Vadugapatti	35+550	35+900	LHS	350	0.063	22.05	247.10	81.73
TOTAL					2250		141.75		525.40
Area Occupied Across the road									
1	Vadugapatti	35+550		BHS	45	0.168	7.56	247.10	28.02
As per MoRT&H norms Minimum License fee = Rs.10,000/Annum									
License For Public Utility for 1 Year									₹ 10,000.00
License For Public Utility for 2 Year (6%)									₹ 10,600.00

License For Public Utility for 3 Year (6%)	₹ 11,236.00
License For Public Utility for 4 Year (6%)	₹ 11,910.00
License For Public Utility for 5 Year (6%)	₹ 12,626.00
Total License Fee For Public Utility for 5 Year	₹ 56,372.00

- a) As per MoRT&H Norms, the Cost of License Fees has been calculated for 5 Years and mentioned in the above table is Rs.56,372/- by considering the Minimum License fee Rs.10,000/Annum

Subject to the above, the proposal of the Executive Engineer, TWAD, Project Division, Rajapalayam regarding seeking permission for laying of water pipe line along the road from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and also across at Km.35+550 in Thirumangalam - Vadugapatti section of NH-744 in the State of TamilNadu as detailed above may be considered and approval may be accorded, please.

Encl: 1.Proposal - 2 No's.
2. Copy of the References.

Yours faithfully,



(Keerthi Bharadwaj)
Project Director
PIU - Madurai

Copy to:

The Executive Engineer, TWAD, Project Division, Rajapalayam - For information, please.

**Technocrats Advisory Services Private Limited in JVSA Infrastructure Consultants Pvt. Ltd., -
JR Consultancy Services Pvt. Ltd.,**

TASPL/NHAI/PIU-MDU/AE/PKG-I/TN/2024-25/302

Dated: 30.12.2024

To
The Project Director,
National Highways Authority of India,
PIU- Madurai,
Door No. 733,
Gomathipuram 6th Main Road,
Madurai – 625020, Tamil Nadu.

NHAI PIU MADURAI	
IN: No	01
DATE	01/01/25
PD	
DM(T)	
LO	
SE	

M(T)

SE SN

21/1/2025

Sub: "Construction of Four laning of (i) Thirumangalam-Vadugapatti section from Km. 0/000 to Km 36/000 of NH-744 (Package-I) in the state of Tamil Nadu on EPC Mode under Bharatmala Pariyojana"- **Proposal submitted by TWAD Board, Project Division, Rajapalayam- Permission for laying of Water Pipe line from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and crossing at Km.35+550 of Thirumangalam - Vadugapatti section NH-744 in the state of Tamil Nadu requested- Reg.**

Ref:

1. The Executive Engineer, TWAD Board, Project Division, Rajapalayam Lr. No.: 1212/F.1286 CWSS/JDO/NHAI/RJPM/2024 dt. 12.12.2024
2. PD – PIU/Madurai Email Dated: 25.12.2024

Dear Sir,

The Authority Engineer received the Proposal from TWAD Board, Project Division, Rajapalayam for providing CWSS to 1331 Habitations in Virudhunagar District (1286 Habs) and Thoothukudi District (45 Habs) – Requested to Permission for Laying of water pipe line along the National Highways (NH-744).

In this regard the Authority requested the Authority Engineer (Vide reference 2) to submit the detailed report for permission to TWAD Board, Project Division, Rajapalayam for laying of Water pipe lines.

Accordingly, a Joint Inspection was conducted along with TWAD Board representative on 28.12.2024 to access the feasibility of laying of 63mm Ø HDPE pipe along the road (Open Trench Method) and 168.3mm x 3.2mm Ø encasing MS pipe across the road (HDD method) the project stretch on BHS for the following chainages.

SI No	Project	Chainage		Side	Length	Method
		From	To			
1	NH 744 Thirumangalam to Vadugapatti road	Km.33+650	Km.35+550	RHS	900 m	Open Trench Method along the project stretch
		Km.35+550	Km.35+900	LHS	350 m	
		Km. 35+550		-	-	HDD Method at crossing location.

**Technocrats Advisory Services Private Limited in JVSA Infrastructure Consultants Pvt. Ltd., -
JR Consultancy Services Pvt. Ltd.,**

The Authority Engineer observed that there is no hindrance of our Project work for the above mentioned chainages and also ongoing traffic. Based on site visit and observations Authority Engineer requested that before accord permission to TWAD board for laying of 63mm Ø pipe the following also shall be considered.

- 1) It shall be ensured that the Crossing of pipe line at NH 744 shall be permitted only HDD method (Horizontal Directional Drilling) and not in open cut Method.
- 2) The ROW distance is 22.50 m from center of Median. So, the laying of pipe line 63mm dia shall be carried out the edge of ROW. But There is a junction improvement from km.33+600 to km.33+750 and Bus Bay with Bus shelter location at km.35+800 to km.35+850 LHS. Before laying of pipe line in these locations, Consult with Authority and EPC Contractor.
- 3) While carrying out the laying of pipe line along the structure portions of U/S & D/S, if any damage of Protection works like Rigid Apron, Flexible Apron & Pitching works etc. shall be restored in original condition.
- 4) The Work shall be carried out in consultation with Authority and EPC Contractor and any damage to Project Highway and utilities while carried out works shall be restored to original condition.
- 5) Details of safety precautions for the work to be taken.
- 6) The work shall not cause any obstruction to traffic.
- 7) Both ends of encasing pipe at crossing should be extended approximately 0.50m away from the ROW.

Hence, the Authority may award approval for laying of Water pipe line in our project stretch. Further, the Authority Engineer is hereby submitting the detailed report as mentioned above and recommending the Authority to collect the Restoration cost and other access permission as per MoRTH Guidelines RW/NH-33044/29/2015/S&R(PT) Dated: 22.11.2016.

This is for your kind information and necessary action please.

Thanking you and assuring our best services.

Yours truly,

For M/s. TASPL - M/s. SAICPL – M/s. JRCSP (JV)


(K. C. Sathiya Murthy)

Bridge Engineer / Acting Team Leader, NH-744, TV Project

Encl: Copies of proposal (received through by mail).

Copy forwarded to followings for information:

1. The Authorized Signatory, M/s. S&P-ALR(JV), Thirumangalam
2. The Authorized Signatory, M/s. Technocrats Advisory Services Pvt. Ltd., New Delhi

NHAI - PIU, Madurai - Four laning of Thirumangalam to Vadugapatti section from Km.0+000 to Km.36+000 of NH-744 in the state of TamilNadu on EPC mode under Bharatmala Pariyojana in the State of TamilNadu – permission for laying of Water pipeline from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and crossing at Km.35+550- Detailed report requested –reg

From: NHAI, PIU-Madurai. (nhai_madurai_piu@yahoo.co.in)

To: tasplaevedugapatti@gmail.com

Cc: spalrnh744@gmail.com

Date: Wednesday 25 December, 2024 at 06:42 pm IST

Sir,


Ref: EE, TWAD, Project Division, Rajapalayam Lr.No.1212/F.1286
CWSS/JDO/NHAI/RJPM/2024/ 12.12.2024 (Received on 23.12.2024)

Please find the attached letter and proposal received from EE, TWAD, Project Division, Rajapalayam regarding permission for laying of Water pipeline from Km.33+650 to Km.35+550(RHS), Km.35+550 to Km.35+900(LHS) and crossing at Km.35+550 in the subject project stretch.

In this regard, it is requested to inspect the site and furnish the detailed report as per Policy Circulars and site actuals for taking further necessary action, please.

Regards

**O/o Project Director,
NHAI-PIU, Madurai.**

 Print this mail only if absolutely necessary. Save Paper. Save Trees.



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1.4MB



TAMILNADU WATER SUPPLY & DRAINAGE BOARD

100
1924 - 2024

From:

Er. J. Kumar, B.E., PGDHR.,
Executive Engineer,
TWAD Board,
Project Division,
Rajapalayam.

NHAI-PIU MADURAI	
IN: No	4590
DATE	23/12/24
PD	
DM(T)	✓
LO	
SE	✓

To:

The Project Director,
National Highway Department, (PIU),
Madurai Region,
Madurai.

Top priority
DM(T) ✓
24/12/24

Lr No.1212/ F. 1286 CWSS /JDO / NHAI / RJPM / 2024 / Dt.12.12.2024

Sir

Sub : TWAD Board, Project Division, Rajapalayam - Providing CWSS to 1331 Habitations in Virudhunagar District (1286 Habs) and Thoothukudi District (45 Habs) - Laying of water supply pipelines along the National Highways - Road Permission- Guidance - Requested – Reg.

Ref : G.O.No. 157 / MA & WS (WS.1) Department, Dated 28.10.2022 for Rs. 1387.73 Crore.

I wish to inform that a new combined water supply scheme has been proposed to execute in Virudhunagar and Thoothukudi District vide reference cited. In this connection pipelines are to be laid along and across the roads of various locations in Virudhunagar District.

A sketch showing the alignment of pipeline to be laid under your jurisdiction is enclosed herewith for kind reference. I also request that necessary permission may please be accorded early for laying of pipes along and across the centre of the National Highways Roads for Trenchless method as detailed below

Sl. No.	Pipe laying Road	Pipe laying Location	Pipe laying along the road in between	Pipe laying across the road	Water carrying pipe size
1.	NH-744 Thirumangalam to Kollam Road	Alagapuri	RHS km 33+650 to 35+550, LHS km 35+550 to 35+900	km at 35 + 550	63mm HDPE pipe

I request that the amount of Road Restoration charges to be remitted to National Highways department may please be intimated to this office for making payment. Considering the urgency in completion of the works as insisted by the Government, necessary permission may please be accorded early for laying of the water supply pipelines, along the Highway tracks in the listed locations.

Encl : 1) Proposal - 5 Nos.

(Original - 2 No., Copy of Proposal - 3 Nos.)

2) Copy of G.O.

Executive Engineer, TWAD Board,
Project Division, Rajapalayam.

12/12/24

TWAD BOARD WATER PIPE LINE ROUTE DIAGRAM

SECTION

Laying of water pipe line Along the road at RHS Km 33+650 to 35+550, LHS Km 35+550 to 35+900 and 50m Trenchless crossing at KM 35+550 of NH 744 Tirumangalam to Vadugapaati Road (NHAI).

**APPLICANT:
EXECUTIVE ENGINEER
TWAD BOARD,
PROJECT DIVISION,
RAJAPALAYAM.**

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

Proposal for Laying of TWAD Water pipe line along the road RHS Km 33+650 to 35+ 550, LHS KM 35+550 to 35+900 and 50m Trenchless Crossing HDD Method at Km 35+550, NH 744 Tirumangalam to Vadugapatti Road (NHAI).

General to Accompany Ali 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: Providing CWSS to 1331 habitations in Virudhunagar & thoothukudi districts with river Thamirabarani as source

b] Exact location of proposal : Tirumangalam – Vadugapatti (NHAI) - NH 744
Along the road at RHS Km 33+650 to 35+550, LHS
KM 35+550 to 35+900
Across the road at - Km 35+550 (HDD Method)

- c] Whether the applicant is 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 is 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 Executive Engineer
TWAD Project Sub Division
Rajapalayam


Executive Engineer
TWAD Bd., Project Division
Rajapalayam


Resident Engineer
TASPL-SAICPL-JRCSPLE(JY)
NH - 744, PKG - 1


Project Director
National Highways Authority of India
MADURAI.

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

I. LAYING OF UTILITY LINE ALONG THE 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 35+550
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 : 168.3mm
Dia 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)

: Open Trench Method along the road and for crossing Trenchles Technology HDD Method.

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

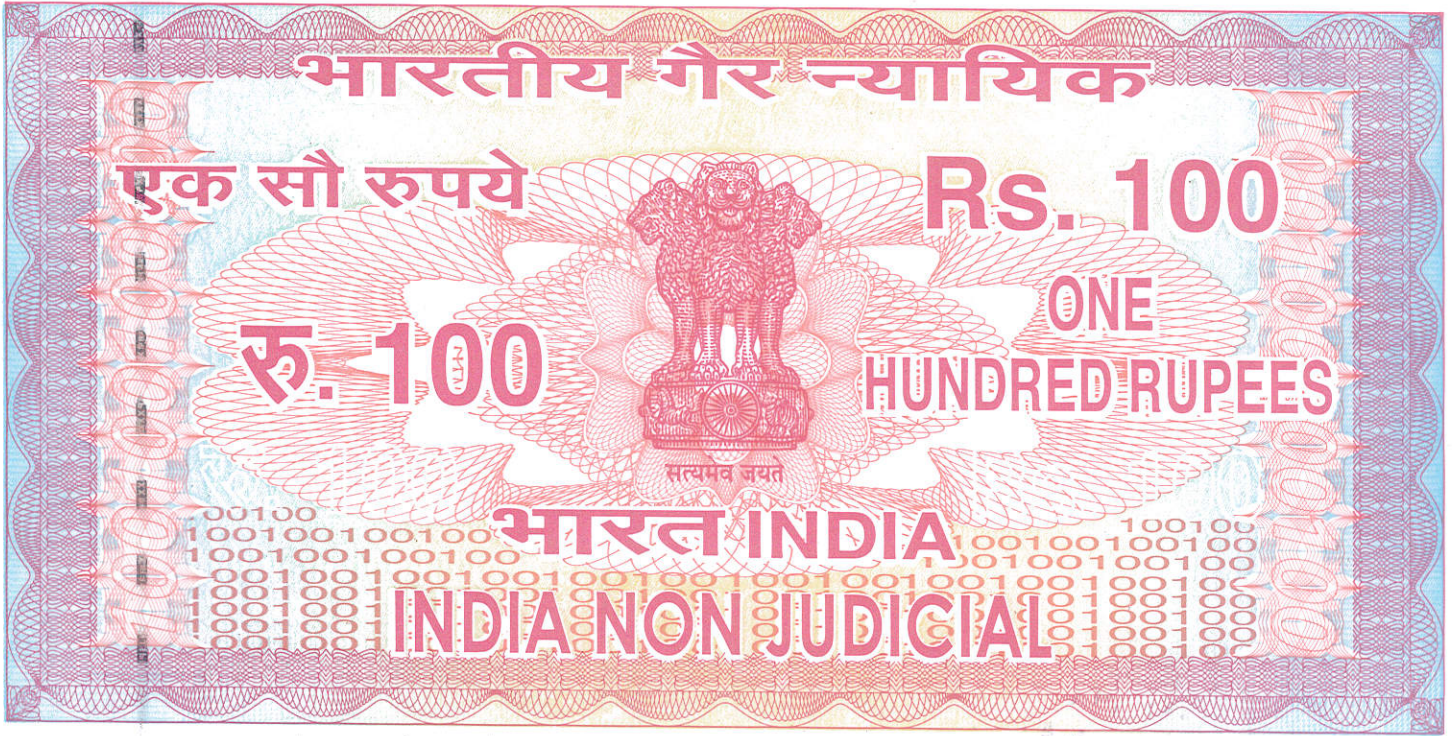
1. This proposal when implemented will not affect the design stability and traffic safety of National Highways Authority of India.
2. This proposal implemented now, will not affect any likely future improvements such as Improvements to geometries.
3. There is no proposal for improvements in this stretch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


Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam


Executive Engineer
TWAD Bd., Project Division
Rajapalayam.


Resident Engineer-1
TASPL-SACPL-JRCSP(LJV)
NH - 744, PKG - 1


Project Director
National Highways Authority of India
MADURAI.



கமரிம் காடு தமில்நாடு TAMILNADU

M. Ayyanarsamy
M. AYYANARSAMY EA 737397

EXECUTIVE ENGINEER

Stamp Vendor

Licence No. 5730/A1/2010-20

12.12.2024

53-B, Railway Feeder Road,
Rajapalayam - 626 117

TWAD BOARD

PROJECT DIVISION

RAJAPALAYAM

Proposal for Laying of TWAD Water pipe line along the road RHS Km 33+650 to 35+ 550, LHS KM 35+550 to 35+900 and 50m Trenchless Crossing at Km 35+550, NH 744 Tirumangalam to Kollam 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.


Executive Engineer

TWAD Bd., Project Division
Rajapalayam.

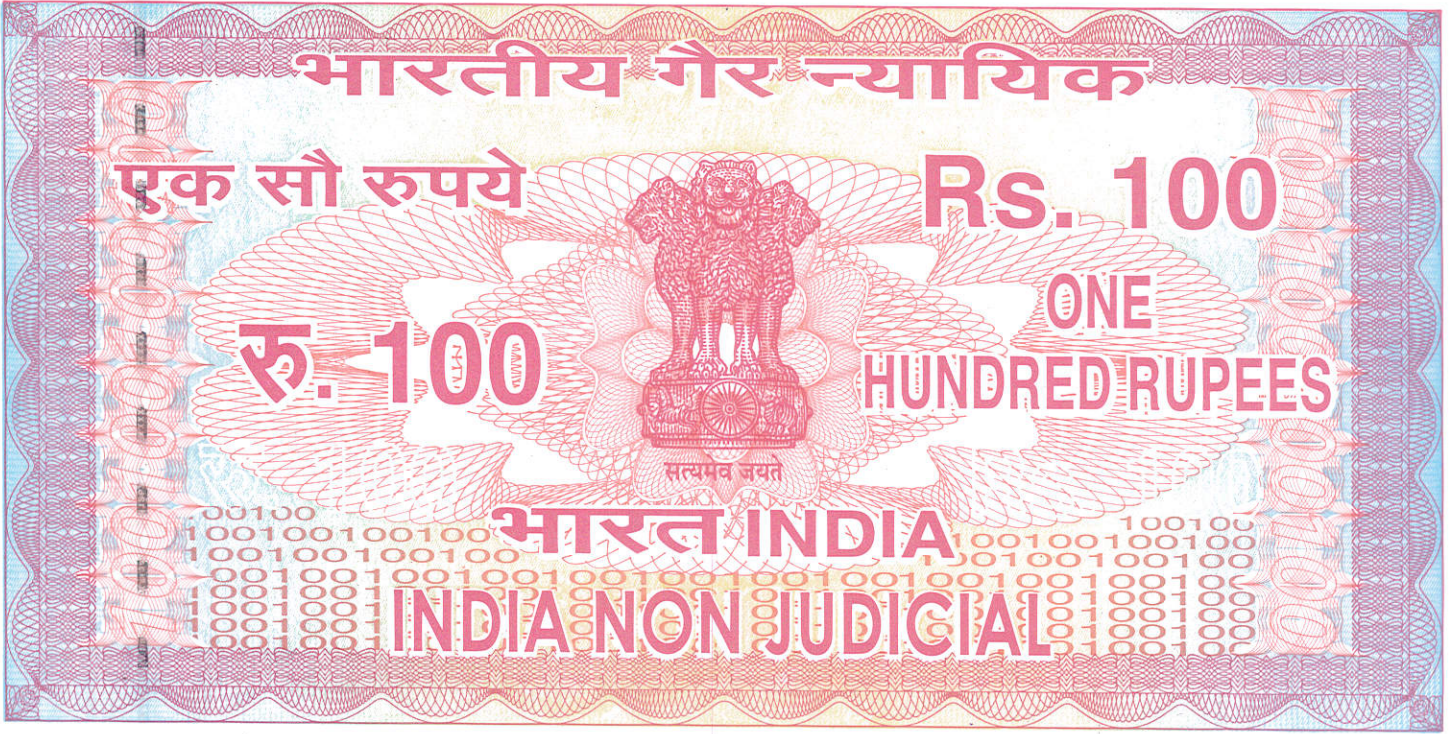
- 4) We Undertake to Shift of water supply pipe line as and when required by NHAI at our own cost.
- 5) We Undertake to Shift the water supply pipe line due to 4 lanning / widening of NH at a later date.
- 6) We Undertake and Indemnify against all damages and claims as per clause (xxiv)
- 7) We undertake 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 Executive Engineer
TWAD Project Sub Division
Rajapalayam


Executive Engineer
TWAD Bd., Project Division
Rajapalayam.



தமிழ்நாடு TAMILNADU
EXECUTIVE ENGINEER
T.WAD BOARD
PROJECT DIVISION
RAJAPALAYAM

M. Ayyanarsamy EA 737398
Stamp Vendor
Licence No. 5730/A1/2010-20 12.12.2024
53-B, Railway Feeder Road,
Rajapalayam - 626 117

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

Agreement to Lay Water pipe line along the road RHS Km 33+650 to 35+ 550, LHS KM 35+550 to 35+900 and 50m Trenchless Crossing at Km 35+550 of NH 744 Tirumangalam to Kollam 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


Executive Engineer
T.WAD Bd., Project Division
Rajapalayam,

Context, include his successors in office and assigns of the one part and Executive Engineer, TWAD Board, Project Division, Rajapalayam (name of the party). (Hereinafter 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.

Whereas the Authority is responsible, inter alia, for development and maintenance of lands in along the road RHS Km 33+650 to 35+ 550, LHS KM 35+550 to 35+900 and 50m Trenchless Crossing HDD Method at Km 35+550 of NH 744 Tirumangalam to Vadugapatti Road (NHAI)

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

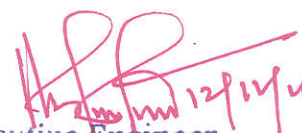
Whereas the licensee has applied to the Authority for permission to lay water supply pipes along the RHS Km 33+650 to 35+ 550, LHS KM 35+550 to 35+900 and 50m Trenchless Crossing HDD Method at Km 35+550 of NH 744 Tirumangalam to Vadugapatti Road (NHAI)

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.


Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam


Executive Engineer
TWAD Bd., Project Division
Rajapalayam

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 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.


Assistant Executive Engineer
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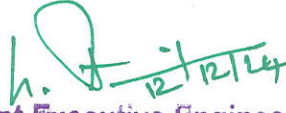

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9. In exceptional cases, where RoW is restricted the utility service can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility service be laid in concrete ducts, which will be designed to carry 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 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.


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TWAD Project Sub Division
Rajapalayam


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TWAD Bd., Project Division
Rajapalayam.

- a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, colds 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;
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 / it's 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.


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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. Not with standing 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 90days (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 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.


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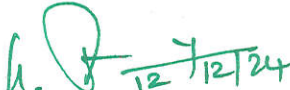

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TWAD Bd., Project Division
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25. Grant of Licensee is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should 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.


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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.


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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.
 - 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.


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TWAD Bd., Project Division
Rajapalayam.

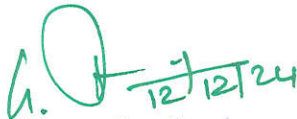
This agreement has been made in duplicate, each on a stamp paper; each party to this Agreement has retained one stamped copy each.

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.



Executive Engineer
TWAD Bd., Project Division
Rajapalayam.


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



Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam

In the presence of

1. Name in full (Signature) with designation



Assistant Executive Engineer
TWAD Project Sub Division
Sivakasi.

2. Name in full (Signature) with designation

Signed by Shri (Name in Full)
Project Director,

National Highways Authority of India
For and on behalf of the President of India


1. Name in full (Signature) with designation


2. Name in full (Signature) with designation

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.


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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 tampering 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.


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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.


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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.


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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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The diagram illustrates the cross-section of a 4-lane highway with a total width of 22.50m on each side of the centerline (CLOF NH-744). The sections are labeled LHS (Left Hand Side) and RHS (Right Hand Side). The lanes from the centerline outwards are:

- 7.5M WIDE MAIN CARRAIGWAY
- 1.50M WIDE PAVED SHOULDER
- 2.00M WIDE EARTHEN SHOULDER
- ROW (Right of Way)

Additional features include:

- 63MM HDPE PIPE for drainage.
- Catch basins (CB) with dimensions (1.33-0.50) and (1.33-0.70).
- CH 33-630 and CH 33-850 markers.
- CH 33-100 marker.

RHS

Rajapalayam

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PROJECT DIVISION,
RAJAPALAYAM

1. ALL DIMENSIONS ARE IN 'M' UNLESS OTHERWISE SPECIFIED
2. SECTION LENGTH ALONG ROAD - 0.450KM

DRAWING NO.:

SHEET 1

National Highways Authority of India ^{SCAL}

WADRA

TIRUMANGALAM TO VADUGAPATTI

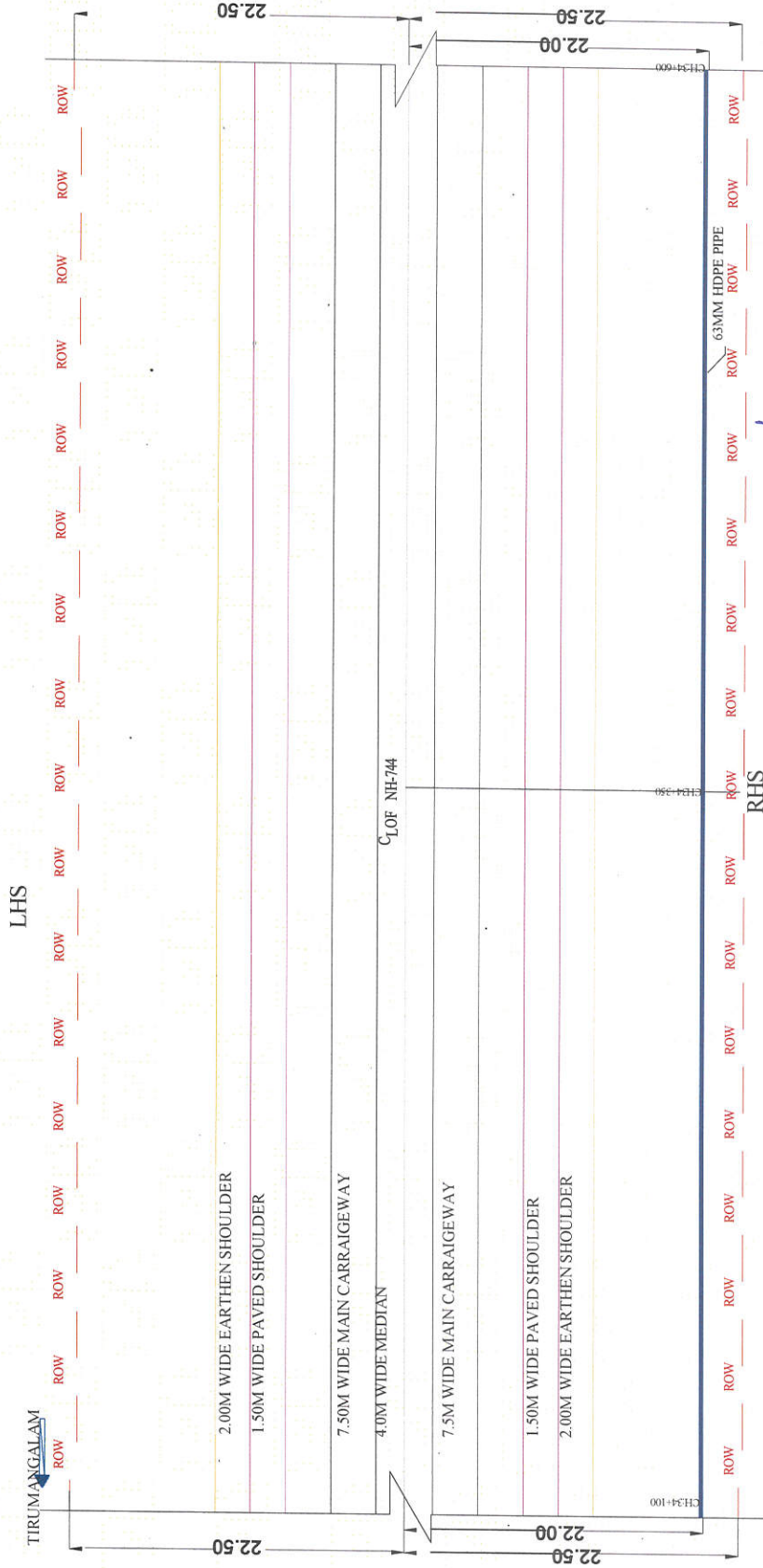
SECTION OF NH-744

Resident Engineer-1
SCALE: JASPLSAICPLJRCSP(LV)
NOT TO SCALE
dia: 75mm, PG-1

SCALING

FOUR LANING OF TIRUMANGALAM YADUGAPATTI NH-744 IN THE STATE OF TAMILNADU FROM KM.

34+100 TO KM.34+600 ALONG THE ROAD



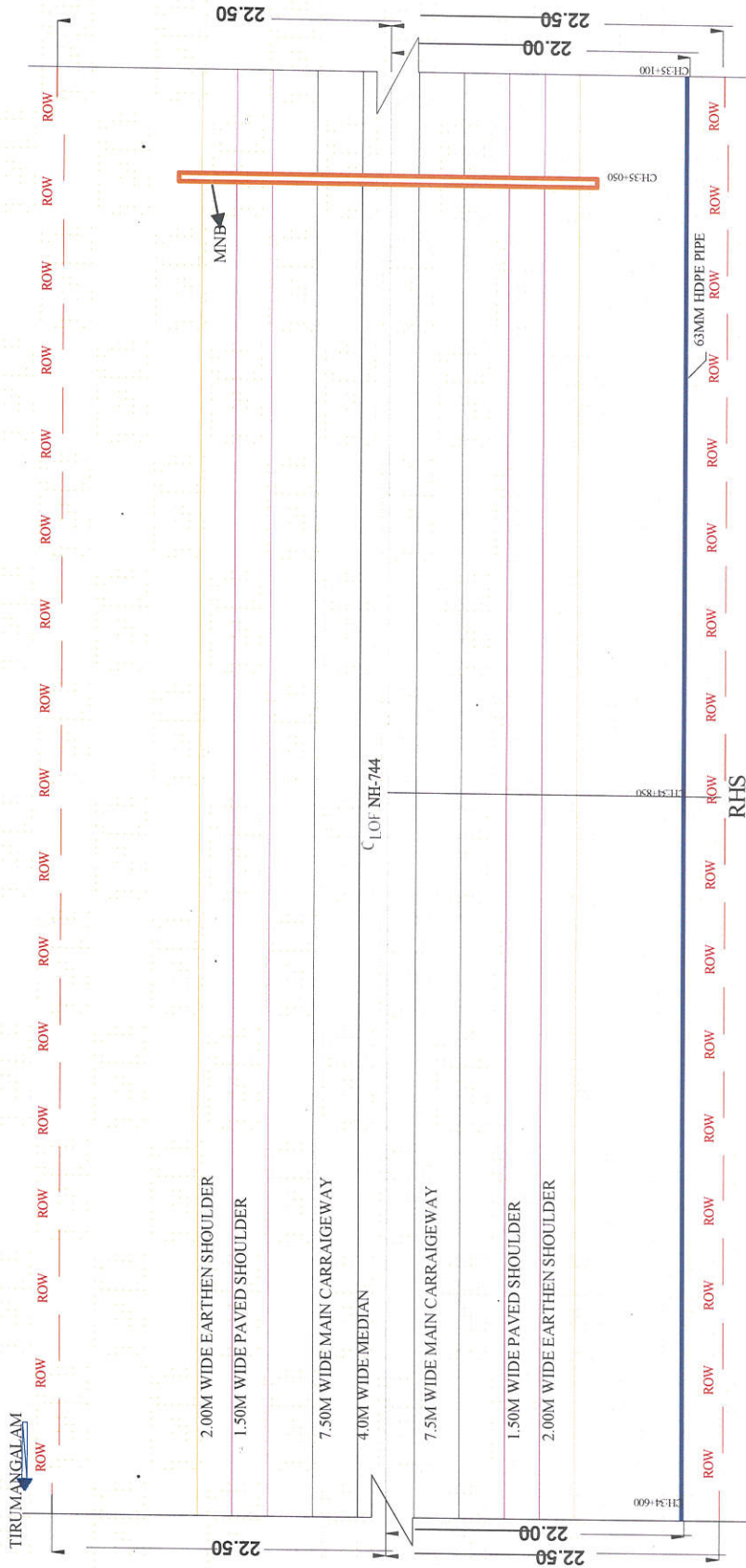
KOLLAM
Resident Engineer-1
TASPL-SAICPL-JRCSPL(JV)
NH - 744, PKG - 1
Project Director
National Highways Authority of India
MADURAI
SCALE: NOT TO SCALE

<p>LEGEND :</p> <p>PROPOSED PIPELINE : —</p> <p>BT ROAD : —</p> <p>CENTER LINE OF MCW : —</p> <p>RIGHT OF WAY : — ROW</p> <p>BOX CULVERT : —</p>	<p>APPLICANT :</p> <p>TIRUMANGALAM TO YADUGAPATTI SECTION OF NH-744</p> <p>NOTES :</p> <p>1. ALL DIMENSIONS ARE IN 'M' UNLESS OTHERWISE SPECIFIED</p> <p>2. SECTION LENGTH ALONG ROAD - 0.50KM</p>	<p>PROJECT :</p> <p>TIRUMANGALAM TO YADUGAPATTI SECTION OF NH-744</p> <p>THE EXECUTIVE ENGINEER, TWAD BOARD, PROJECT DIVISION, RAJAPALAYAM.</p>
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TWAD Project Sub Division
Rajapalayam

FOUR LANING OF TIRUMANGALAM TO VADUGAPATTI NH-744 IN THE STATE OF TAMILNADU FROM KM.

34+600 TO KM. 35+100 ALONG THE ROAD



KOLLAM

18C

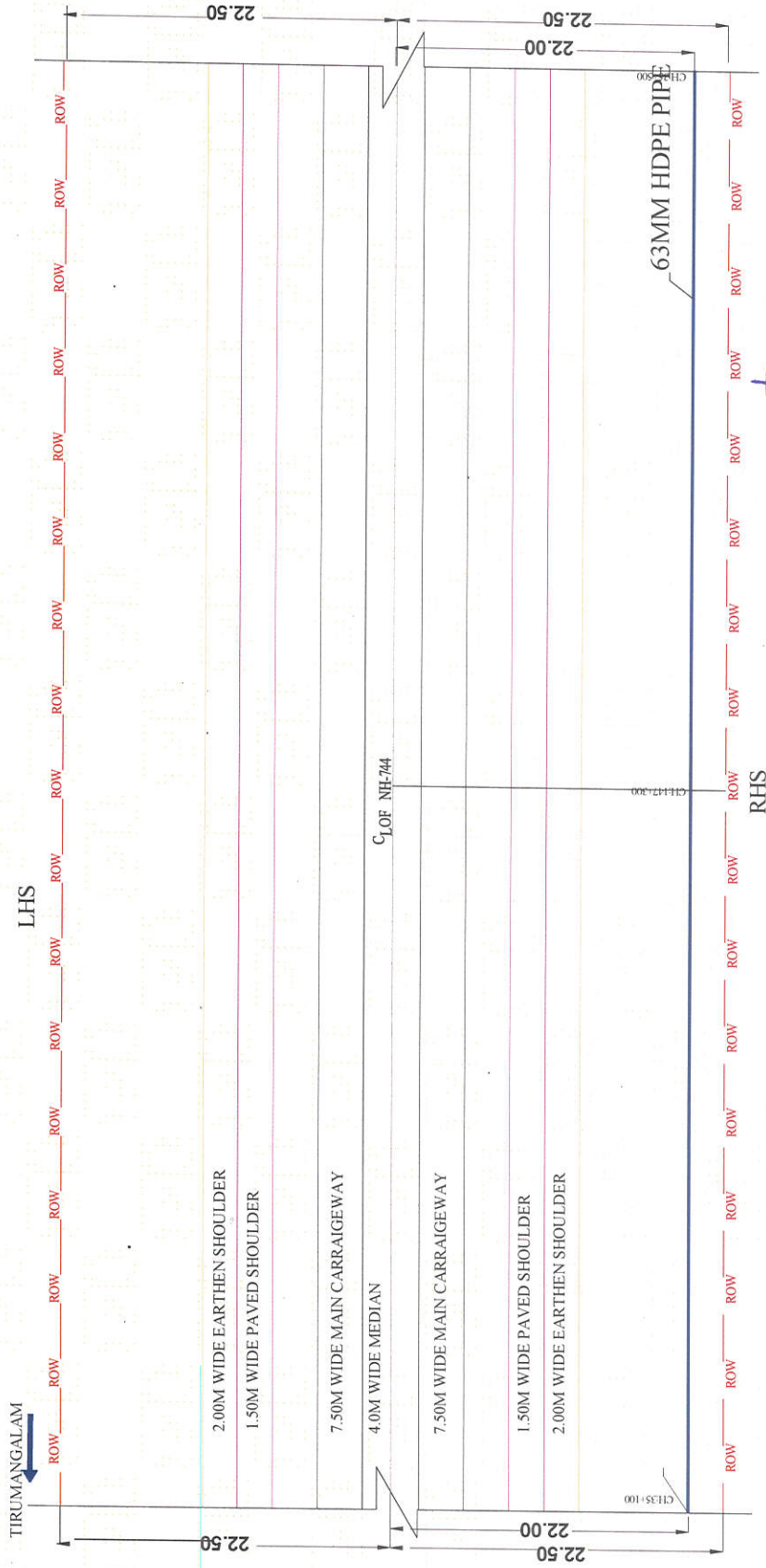
Project Director
National Highways Authority of India
Resident Engineer-1
SCALES: NOT TO SCALE
JCSPL(V)
NH-744.PKG-1

LEGEND: PROPOSED PIPELINE : BT ROAD : CENTER LINE OF MCW : RIGHT OF WAY : BOX CULVERT :	APPLICANT : THE EXECUTIVE ENGINEER, TWAD BOARD, PROJECT DIVISION, RAJAPALAYAM	NOTES : 1. ALL DIMENSIONS ARE IN 'M' UNLESS OTHERWISE SPECIFIED 2. SECTION LENGTH ALONG ROAD - 0.50KM
TIRUMANGALAM TO VADUGAPATTI SECTION OF NH-744		
DRAWING No. SHEET 3		

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Rajapalayam

FOUR LANING OF TIRUMANGALAM TO VADUGAPATTI NH-744 IN THE STATE OF TAMILNADU FROM KM.

35+100 TO KM. 35+500 ALONG THE ROAD



KOLLAM

185

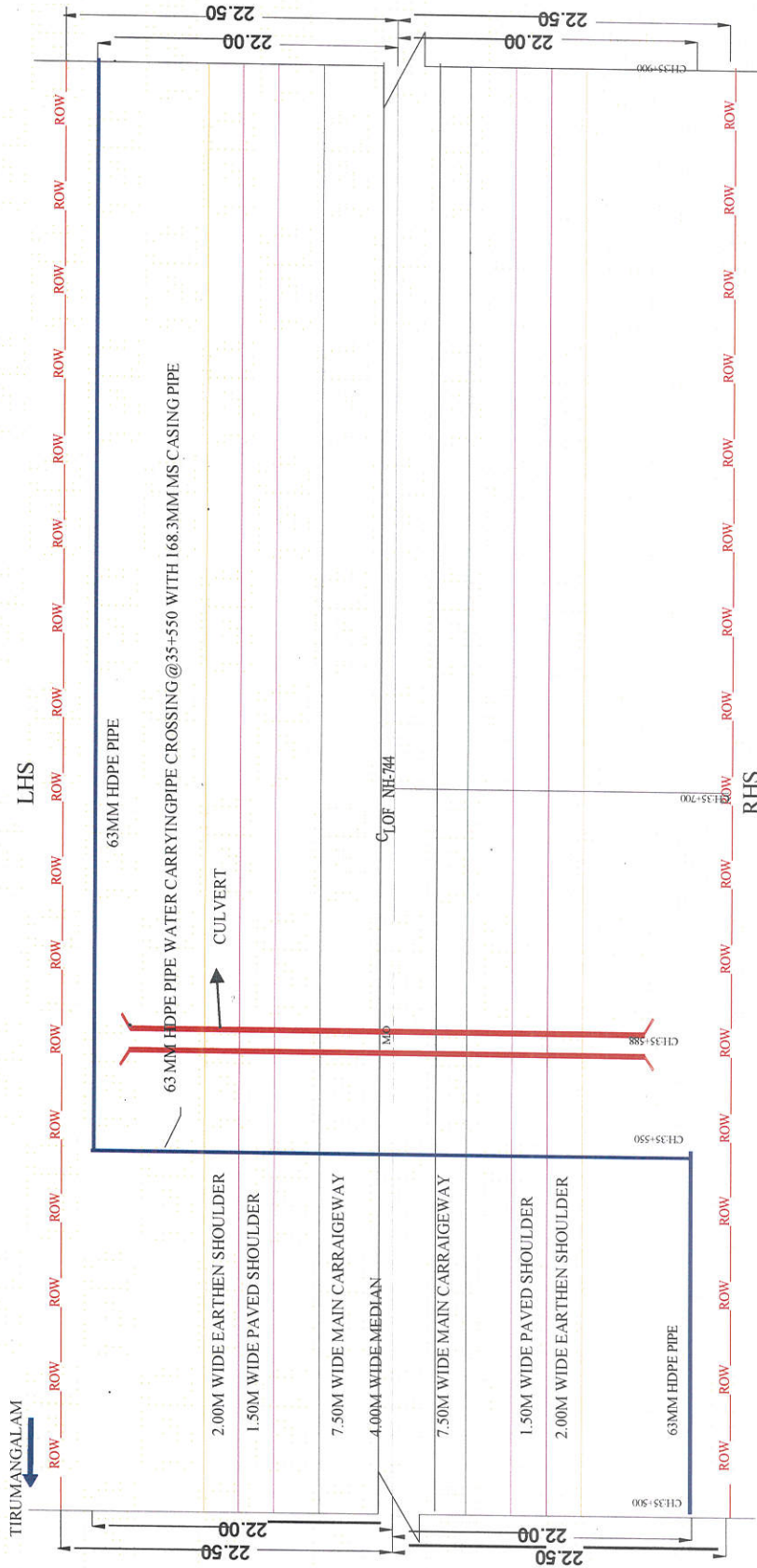
Project Director
Resident Engineer-1
National Highways Authority of India NH-744, Pg. 1

<p>LEGEND :</p> <p>PROPOSED PIPELINE : ———</p> <p>BT ROAD : ———</p> <p>CENTER LINE OF MCW : ———</p> <p>RIGHT OF WAY : ———</p> <p>BOXCULVERT : ———</p>	<p>APPLICANT :</p> <p>THE EXECUTIVE ENGINEER, TWAD BOARD, PROJECT DIVISION, RAJAPALAYAM</p>	<p>NOTES :</p> <p>1. ALL DIMENSIONS ARE IN 'M' UNLESS OTHERWISE SPECIFIED</p> <p>2. SECTION LENGTH ALONG ROAD - 0.50KM</p>
<p>TIRUMANGALAM TO VADUGAPATTI</p> <p>SECTION OF NH-744</p> <p>DRAWING No. : SHEET 4</p>		

Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam

FOUR LANING OF TIRUMANGALAM TO VADUGAPATTI NH-744 IN THE STATE OF TAMILNADU FROM KM.

35+500 TO KM. 35+900 ALONG THE ROAD & CROSSING ACROSS THE ROAD AT KM35+550



KOLLAM

→

Project Director
Resident Engineer-1
SAHEL-SAICPL-JRCSP(LJV)
NOT TO SCALE
National Highways Authority of India

LEGEND:

PROPOSED PIPELINE

BT ROAD :

CENTER LINE OF MCW :

RIGHT OF WAY :

BOX CULVERT :

APPLICANT :

THE EXECUTIVE ENGINEER,
T.W.A.D. BOARD,
PROJECT DIVISION,
RAJAPALAYAM

NOTES :

1. ALL DIMENSIONS ARE IN 'M' UNLESS OTHERWISE SPECIFIED
2. SECTION LENGTH ALONG ROAD - 0.40KM

DRAWING No.:

SHEET 5

Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam

Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam

Project
Highways
India

Project
Highways
India

<p><u>Laying of water pipe line Along NH 744 (Old No NH 208)Thirumangalam to Vadugapatti road (NHAI). from KM 33+650 to 35+100</u></p>	<div data-bbox="430 784 845 1971"> </div> <div data-bbox="325 136 391 2114"> <p>NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi districts with river Tamiraparani as source -Pkg-II</p> </div> <div data-bbox="502 136 566 2114"> <p>63mm-HDPE/ MS Proposed Pipe Line</p> </div> <div data-bbox="582 136 662 2114"> <p>OFFICE EXECUTIVE ENGINEER, TWAD BOARD PROJECT DIVISION , RAJAPALAYAM</p> </div> <div data-bbox="774 136 853 2114"> <p>NOTES ALL DIMENSIONS ARE IN M NOT TO SCALE</p> </div> <div data-bbox="869 136 949 2114"> <p>Executive Engineer, TWAD</p> </div> <div data-bbox="965 136 1109 2114"> <p>Assistant Executive Engineer, TWAD</p> </div>
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Assistant Executive Engineer
TWAD Project Sub Division
Rajapalayam

Executive Engineer
TWAD Bd., Project Division
Rajapalayam.

Resident Engineer-1
TASPL-SAIGPL-JRCSPL(JV)
NH - 744,PKG - 1

Project Director
National Highways Authority of India
MADURAI.

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Number:		Taluka:	

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1

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	483/1A	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
2	483/1A1A	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
3	483/1A1B	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
4	483/1A2	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
5	483/1B	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
6	483/2	0	0	Govt. Salai	01-Jul-2024	-
7	483/3A	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-
8	483/3B	200000/ Acre	494500/ Hectare	Dry Maanavari Lands Type - I	01-Jul-2024	-