



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**National Highways Authority of India**  
(Ministry of Road Transport & Highways, Government of India)  
क्षेत्रीय कार्यालय, मदुरै / **Regional Office, Madurai**

दूसरा व तीसरी तल, विजय कृष्ण प्लाजा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माटुतावनी, मदुरै-625 007  
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NHAI/15018/4.6/07/2023/RO Madurai/E:210529/1148

12<sup>th</sup> July, 2023

**INVITATION OF PUBLIC COMMENTS**

**Sub: NHAI- PIU, TRICHY** - Trichy - Dindigul section of NH 45 (New NH 83) - TWAD Board - Laying of TWAD water pipe line along the road from km.357/550 to km.357/800 (250m) on RHS and across at km.357/550 instead of from km.357/865 to km.358/025 (160m) and across at km.358/025 by open trench method and HDD method - Invitation of Public Comments - Reg.

**Ref:** PD, Trichy Lr. No-NHAI/PD/TRY/Utility/TWAD/NH 45/T-D/2023/1245 dated 21.06.2023.

The proposal received from PD, Trichy vide Lr. No- NHAI/PD/TRY/Utility/TWAD/NH 45/T-D/2023/1245 dated 21.06.2023. there by requesting permission for laying water pipe line along the road from km.357/550 to km.357/800 (250m) on RHS and across at km.357/550 instead of from km.357/865 to km.358/025 (160m) and across at km.358/025 by open trench method and HDD method on Trichy - Dindigul section of NH 45 (New NH 83) in the state of Tamil Nadu as proposed by, EE, TWAD, Project Division, Karaikudi.

Accordingly, as per Policy Guidelines issued by Ministry vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application is being uploaded on public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

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.

*मेहेंद्र मीना*  
12/07/23

(Mahendra Meena),  
Dy. Manager (Tech.,)

Encl. As above

Copy to:

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

**TWAD BOARD WATER PIPE LINE ROUTE PROGRAM**

**MS 1219 x 10mm PIPE TO LAYING**

**SECTION**

**(TRICHY – MANAPARAI) OF NHAI-83 ALONG & ACROSS THE ROAD AT MUTHAPUDAIYANPATTI From KM 357/550 to 357/800 – 250Mtrs (RHS) By Open Trench Method and at KM 357/550 by Trenchless Method]**

instead of KM from 357/865 to 358/025 (RHS) – 160Mtrs and 1 No of crossing at KM 358/025 on NHAI-83 in Trichy – Manaparai road

**APPLICANT**

**THE EXECUTIVE ENGINEER**

**TWAD BOARD**

**PROJECT DIVISION**

**KARAIKUDI**

**THE PROJECT DIRECTOR**

**NATIONAL HIGHWAY AUTHORITY OF INDIA**

**TRICHY**

## ANNEXURE-1

### Check List Accompany all the Proposals

#### General

1. Whether the site plan is drawn to scale of 1:2500 or 1:1000 and (Suitable scale) Enclosed : NTS
  - a Whether the details for either side of the utility laying have been furnished : Yes, Furnished
  - b Does the site shown in full : Yes
  - c The NH Boundary line with distance from C/L. of the road point where the NH land width changing and also at 100m intervals : Yes
  - d The berm line and distance form C/L at 100m intervals marked and also at salient points of change of width of NH land : Yes
  - e C/L of pavement and pavement edge line marked distinctly : Yes
  - f Medians, if any marked to scale : ---
  - g The locations of the utility line of proposal with change showing Exact location and distance from N.H C/L : Yes
  - h The existing C.D works with dimensions : Shown in the Plan
- 
2. a Purpose of the proposal in details : CWSS to 8 Town Panchayats, 2452 rural habitations with Bulk provision to 3 Municipalities in Sivagangai District with river Cauvery as source including maintenance for a period of 5 years-TRANSMISSION MAIN-II & GRAVITY MAIN-I, MST(Receiving Sump) @ THENAMAMALPATTI & allied Works and All works in Sivagangai and Singampunari Unions – (Period of completion – 30 months) - **Package – II**

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b Exact locations of the proposal

: Along the Road @NHAI-83

1 [From KM 357/550 to 357/800 – 250 Mtrs (RHS)] –  
By Open Trench Method

Across the Road @NHAI-83

2 [At KM 357/550 by Trenchless Method]

Instead of KM from 357/865 to 358/025 (RHS) –  
160Mtrs and 1 No of crossing at KM 358/025 on  
NHAI-83 in Trichy – Manaparai road at  
Muthapudaiyanpatti

C Whether the applicant is private Agency/public sector/  
Local Body/ Government Department

: State Govt. Department.  
Tamilnadu Water Supply and Drainage Board

d Any time Schedule fixed for the completion of the  
proposal made

: Yes, within 6 Months

e Reasons why the proposals could not be  
accommodated outside the NH Land

: Yes. There is no route so available other than the proposed

f Whether any other location other than is not possible  
is so, the reasons there for

: Yes. There is no route is available other than the proposed  
Location in NHAI.

g Whether any location other than this would be difficult  
or costly

: Difficult, there is no other route available for laying of pipe.

h Whether this proposal when implemented will affect  
the design stability and traffic safety of NH

: No

i Whether this proposal, if implemented now, will affect  
any future improvement to geometric

: No

j Is there any proposal for improvements in the stretch  
or likely to be sanctioned in near future any whether  
they will be affected by this proposal

: No

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**OFFICIAL ANNEXURE FORM TO ACCOMPANY PROPOSAL SCHEME LAYING UTILITY SERVICES LIKE  
PIPELINES ALONG AND ACROSS NATIONAL HIGHWAYS**

**A. LAYING OF UTILITY LINE ALONG NHAI**

1. Whether the utility line is as close to extreme edge of the right of way as possible? If not the details reasons of exception : The 1219mm Diameter MS pipe line is proposed to be laid at the extreme edge of the right way.
2. Whether the utility line is 15mm away from the C/L of the nearest carriage. If not reasons therefore salient points at close internals. : Yes [Laying is proposed as per the availability of ROW]
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 if any it cannot be avoided : No
5. Will this proposal interface with the maintenance of N.H at any time by it cannot be avoided : No
6. Whether the C/S of utility line as runs along N.H. is give in drawing : Yes, Furnished in the proposal.
  - a Whether the top of pipe line lie at least 0.6M blow G.L. : Yes
  - b Will it obstruct the drainage of Road Land : No
7. Is this a proposal lay on electric cable carrying H.T. Line? : No. Only Water Pipeline
  - a If so, necessary certificate by the proposal that it will not have any deleterious effect on any of the bridge components and roadway safety for traffic. : Does not arise.

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## B. Laying utility line across NHAI

- |   |   |   |
|---|---|---|
| 1 | Chainage at which it crosses the National Highways  |   |
| 2 | Does the proposal cross the NH line normal to it? If so the reasons therefore any why it can be taken normal to road. | 357/550 Road Crossing at NHAI 83 Instead of @ KM 358/025 by Trenchless Method |
| 3 | Is this proposal for irrigation purpose. If so whether the concurrence of the revenue department has been enclosed    | Yes. There is no other route is available to reach the Booster Station.       |
| 4 | Whether there is any structure existing within 15cm from crossing and if so the details of such structure             | No  |
| 5 | The reason why crossing cannot be shifted more than 15cm from the existing structure.                                 | No  |
|   |   | Not Applicable.   |

## C. Conduit or Casing Pipe:

- |   |  |                        |
|---|--|------------------------|
| a | Does it pass through special Conduit or other structure built for this purpose   |                        |
| b | Does it any of the existing drainage structure   | 1400mm MS Casing Pipes |
| c | Whether the Conduit pipe line has been encased   | No                     |
| d | Whether the ends of casing or conduit pipe are sealed from outside so that it may not act as drainage patch                                      | Not Applicable         |
| e | Does the casing/Conduit pipe extension from drain to drain if this is cut or from the top of slope to tip of slope in case of this full          | Not Applicable         |
| f | Whether the top of casing / Conduit pipe is 1.20m below the road level subject to the condition that lies at least 0.30m below the drain inverts | Yes                    |

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**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 road only boring method should be adopted?) | : | Horizontal Direct Drilling Method [Boring Method] For Crossings.                    |
| 2 | Is the trench method is adopted  | : | Trench Method is adopted for laying of gravity main along National Highway          |
| 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 60cm than the outer dia of the casing pipe?  | : | Open Trench Method is not adopted. Horizontal boring method is adopted below 2.35m. |
| c | Whether the bedding is of 30cm thick below the pipes   | : | 30cm thick sand bending is provided.  |
| d | Does it consists of granular material to give firm structure   | : | Sand  |
| e | Are the details shown in the sketch  | : | Yes   |
| f | Whether the back fill shall be completed in 2 stages   | : | Filled in Layers of 30 cm and rammed manually                                       |
| g | Whether the side fill shall consists of good materials and whether will it be compacted to 95% of its proctors density   | : | Yes   |
| h | Whether the road will be restored to its original stage  | : | Yes   |
| i | Whether the all precautions will be taken during execution   | : | Yes   |
| j | Whether the party agrees to meet the restoring the road to its original position   | : | Yes, necessary restoration charges will be paid by TWAD Board on demand from NHAI   |

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### CHECK LIST

Guidelines the Project Directors for processing the proposal for laying of 1219mm MS Pipe Line in the land along National Highways vested with NHAI.

#### Relevant Circulars

Ministry Circular No.RW/NH-33044/29/2015/S&R(R) Zone / dt.22.11.2016

#### Check list for getting approval for laying of water pipe line on NH land

Sl.No	Item	Information / Status	Remarks
1	General Information		
1.1	Name address of the Applicant / Agency	The Executive Engineer, TWAD Board, Project Division Karaikudi.	
1.2	National Highways Number	NHAI-83	
1.3	State	Tamilnadu	
1.4	Location	Trichy-Manaparai Section: near Muthapudaiyanpatti Junction	
1.5	(Chainage in Km)	(TRICHY – MANAPARAI) OF NHAI-83 Along the Road, 1)[From KM 357/550 to 357/800 (RHS) 250Mtrs – By Open Trench Method Across the Road, 2)[At KM 357/550 by Trenchless Method] instead of KM from 357/865 to 358/025 (RHS) – 160Mtrs and 1 No of crossing at KM 358/025 on NHAI- 83 in Trichy – Manaparai road	
1.6	Length in Meters	250Mtrs	RHS
1.7	Width of available ROW	Total - 60 m	
	a) Left Side from center line towards increasing chainage/km direction.	Marked in the drawing-30m	
	b) Right side from center line towards increasing chainage/km direction	Marked in the drawing-30m	

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1.8	Proposal to Lay underground water pipe line	Yes	
	a) Left side from center line towards increasing chainage / km direction	-	
	b) Right side from center line towards increasing chainage/km direction	From KM -357/550 to 357/800	
1.9	Proposal to acquire land	Land available already	
	a) Left side from center line	-	
	b) Right side from center line	-	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the pipe	NA	
1.11	Details of already laid services, if any, along the proposed route	Not available	
1.12	Number of lanes (2/4/8 lanes)	2-Lane	
1.13	Proposed Number of lanes (2 Lane with paved shoulders / 4 / 6 / 8 lanes)	-	
1.14	Service road existing or not	NA	
	If yes then which side	NA	
	a) Left side from center line	NA	
	b) Right side from center line	NA	
1.15	Proposed Service Road	NA	
	a) Left side from center line	NA	
	b) Right side from center line	NA	
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carriageway	Yes, at extreme end of ROW	Marked in the plan

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1.17	<p>The permission for laying of water supply pipe line shall be considered for approval / rejection based on the ministry circulars mentioned as above.</p> <p>a) Carrying of sewage / gas pipelines on highways bridges shall not be permitted as fumes / gases pipes can accelerated the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.</p> <p>b) Carrying of water pipe lines on bridges shall also be discouraged, However, If the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutment in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs Etc.</p> <p>c) Cost of required extension of the substructure As well as that of the supporting superstore shall be borne by the agency-in-charge of the utilities.</p> <p>d) Services are not being allowed indiscriminately on the parapet / any part of the bridges, safety of the bridges has to be kept in view while permitting various services along Bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers Only</p>	<p>Considered for approval based on the Ministry circular</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p><i>H. J. Jeyaraj</i>  <b>DGM (T) &amp; PROJECT DIRECTOR</b>  <b>NATIONAL HIGHWAYS AUTHORITY OF INDIA</b>  <b>PIU-TRICHY - 620 001.</b></p>	
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1.18	<b>If Crossing of the road involved</b> If Yes, it shall be either encased in pipes or through structure or conducts specially built for that purpose at the expenses of the agency owning the line.	Yes, By Trenchless Method with providing encasing pipe.	
	a) Existing drainage structure shall not be allowed to carry the lines.	Yes	
	b) Is it on a line normal to NH	Yes	
	c) Crossing shall not be too near the existing structures on the NH, the minimum distance being 15m. What is the distance from the existing structures?	No existing structure available in 15m	
	d) The casing pipe (or conduct pipe in the case of electric cable) carrying the utility line shall be of steel, CI, or reinforced cement concrete and be large enough to permit ready withdrawal of the carrier pipe/cable.	Yes	
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	f) The Casing / Conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Yes	
	g) The Casing / Conduit pipe should be at least a.2m below the surface of the road subject to being at least 0.3m below the drain inverts.	Yes	
	h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete of dense bituminous concrete type.	Yes	
	i) 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.	Yes	

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2	Document / Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x 0.3m wide)	Yes	
	a) Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes	
	b) Located as close to the extreme edge of the right of way as possible but not less than 15m from the centre-lines of the nearest carriageway.	Yes	
	c) Shall not be permitted to run along the NH when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	Yes	
	d) These should be so laid that their top is at least 0.6m below the ground level so as not to obstruct drainage of the road land.	Yes	
2.2	Cross section showing the size of pit and location of pipe for HDD method	Yes	
2.3	Strip plan/Route plan showing water supply line, chainage, width of ROW, distance of proposed, pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying of showing water supply pipe line	Yes (HDD Method) & By Trenchless Method using Encasing pipe	
2.4.1	Open Trenching Method. (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, methodology of refilling of trench)	Yes	

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	<p>a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.</p> <p>b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, free of lumps; yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.</p> <p>c) The side fill 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. Consolidated by saturation or ponding will not be permitted.</p> <p>d) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.</p> <p>e) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.</p> <p>f) If required, a diversion shall be constructed at the expense of agency owning the utility the</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Does not arise, since HDD method for crossing is adopted.</p> <p>Yes</p> <p>Yes</p>	
2.4.2	Horizontal directional drilling (HDD) Method	Yes	
2.4.3	Laying of sewage pipe line through CD works and guidelines issued with letter No. RW/NH-33044129/2015/S&R(R) Zone Dated: 22.11.2016 method of laying	No	

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a)	On approaches the water mains / cables shall be carried along a line as close to the edge of the right-of way as possible up to a distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No NH-H1/P/66/76 dated 19.11.1976	Extreme boundary of ROW	
3.	Draft license Agreement signed by two witnesses.	Yes. Enclosed with proposal	
4.	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 1 lakh per crossing and also along the road side it is Rs. 100/- per meter length, for a period of one year initially (extendable if require till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cable/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 NHA! to the licensee for	Will be collected on approval	
4.1	Performance BG as per above is to be obtained	Shall be submit on approval	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	To be obtained at the time of execution of agreement	
5	Affidavit / Undertaking from the Applicant for	Yes	
5.1	Not to damage to other utility, if damaged then to pay the losses either to. NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	NA	
5.3	Confirming all standard condition of NHAI's guidelines	Yes	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost.	Yes	
5.5	indemnity, against all damages and claims clause (xxiv) shifting due to 6 laning / widening of NH	Yes	
5.6	indemnity, against all damages and claims clause (xxiv)	Yes	

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5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes	
5.8	If any claim is raised by the concessionaire, then the same has to be paid by the applicant	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water supply pipe line located in the National Highway right-of-ways.	Yes	
5.10	Expenditure if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance of shifting of the water supply pipe line will be borne by the agency owning the line	Yes	
5.11	If the NHAI considers, if necessary, in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Yes	
5.12	Certificate from the applicant in the following format	Yes	
i.	Laying of water supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Yes	
ii.	For 6 laning we do undertake that I will relocate service road 1 approach road I utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development	Yes	
6.	Who will sign the agreement on behalf of Sewer pipe line agency	Executive Engineer, TWAD Board, Project Division, Karaikudi.	

*B. Babu 2/15/6/2023*  
**Assistant Engineer**  
**TWAD Board, Project Sub Division**  
**Karaikudi**

*K. Suresh 15/6/23*  
**Assistant Executive Engineer**  
**TWAD Board, Project Sub Division**  
**Tirupathur**

*S. Nimal 15/6/2023*  
**Executive Engineer**  
**TWAD Board, Project Division**  
**Karaikudi**

*H. J. S.*  
**DGM (T) & PROJECT DIRECTOR**  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
**PIU-TRICHY - 820 001.**

7	Certificate from the Project Director		
7.1	Certificate for confirming of ail standard condition issued vide Ministry Circular No. RW1NH-33Q4412912015IS&R(R) Zone Date: 22.11.2016 Ministry Circular No. 1JH-41	Yes	
7.2	Certificate from PD in the following format ( i ) " It is certified that any other location of the water supply pipe line would be extremely difficult and unreasonable costly and the installation of water supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc." (ii) for 6-laning	Yes, will be laid on the extreme edge of available ROW	
a)	Where feasibility is available " I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at the said location".	Yes	
b)	In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six lining".	Yes	
8	If NH section proposed to be taken up by NHAI on BOT basis -a clause is to be inserted in the agreement. "The permitted highway on which licensee lies been granted the right to lay cable /duct has also been Granted as a right of way to the concessionaire under the concession agreement for up-gradation of (..... section.....) and therefore, the licensee shall honour the same".	NA	

*P. B. B. 2*  
15/06/2023  
Assistant Engineer  
TWAD Board, Project Sub Division  
Karaikudi

*K. S. S. 15/06/23*  
Assistant Executive Engineer  
TWAD Board, Project Sub Division  
Tirupathur

*S. Nirmal*  
15/06/2023  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi

*M. S. S. P.*  
DGM (T) & PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-TRICHY - 620 001.

9	Who will supervise the work of laying of water supply pipe line	Executive Engineer, TWAD Board, Project Division, Karaikudi.	
10	Who will ensure that the defects in road portion after laying of water supply pipe line is corrected and if not corrected then what action will be taken	Executive Engineer, TWAD Board, Project Division, Karaikudi, and NHAI officials.	
11	Who will pay claims for damages done I disruption in working of concessionaire if asked by the concessionaire	Executive Engineer, TWAD Board, Project Division, Karaikudi.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed	
13	If any previous approval is accorded for laying of underground /water supply pipe line then photo copy of register of records of permissions accorded as maintained by PO then copy be enclosed.	Yes will be maintained	

*B. Bal* 15/6/2023  
**Assistant Engineer**  
 TWAD Board, Project Sub Division  
 Karaikudi

*[Signature]* 15/6/23  
**Assistant Executive Engineer**  
 TWAD Board, Project Sub Division  
 Tirupathur

*S. Arinimal* 15/06/2023  
**Executive Engineer**  
 TWAD Board, Project Division  
 Karaikudi

*[Signature]*  
**DGM (T) & PROJECT DIRECTOR**  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
 PIU-TRICHY - 620 001.





தமிழ்நாடு தமில்நாடு TAMILNADU

DA 749334

18/06/2023  
100/

The Executive Engineer S. Juthar

Twad Board  
Project Division  
Karaikudi

S. கீதாராணி  
தமிழ்நாடு தமில்நாடு  
L.No.5/2000 Dt.11-7-2000  
காரைக்குடி - காரைக்குடி

### LICENCE DEED FOR LAYING OF WATER PIPES ON NATIONAL HIGHWAYS AUTHORITIES OF INDIA LAND

Agreement to lay water pipe line work of 1219x10mm Diameter of MS pipe along NHAI-83 center median portion / ducts etc. from along with across the road from near Muthapudaiyanpatti, along the road from KM 357/550 to 357/800 (RHS)-250Mtrs and 1 No of crossing at KM 357/550 instead of KM from 357/865 to 358/025 (RHS) – 160Mtrs and 1 No of crossing at KM 358/025 on NHAI-83 in Trichy – Manaparai road for combined water supply scheme to 8 Town Panchayats and 2452 rural habitations and bulk provision to 3 Municipalities in Sivagangai District with river Cauvery as source.

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 acting in his executive capacity through Project Director, PIU, TRICHY (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context include his successors in office and assigns) on the one part, Tamilnadu Water Supply and Drainage Board acting in his executive capacity through Executive Engineer, TWAD Board, Project Division, Karaikudi (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.

S. Muneb  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi

Whereas the authority is responsible, inter-alia, for development and maintenance of lands from along with across the road from near Muthapudaiyanpatti, along the road from KM 357/550 to 357/800 (RHS)-250Mtrs and 1 No of crossing at KM 357/550 instead of KM from 357/865 to 358/025 (RHS) – 160Mtrs and 1 No of crossing at KM 358/025 on NHAI-83 in Trichy – Manaparai road

Whereas the licensee proposes to lay Telecom Cable/OFC Cable/Electrical Cable/Pipe Line/Ducts etc. referred to as utility services in subsequent paras.

Whereas the licensee has applied to the authority for permission to lay utility service from near Muthapudaiyanpatti, along the road from KM 357/550 to 357/800 (RHS)-250Mtrs and 1 No of crossing at KM 357/550 instead of KM from 357/865 to 358/025 (RHS) – 160Mtrs and 1 No of crossing at KM 358/025 on NHAI-83 in Trichy – Manaparai road

And whereas the Authority has agreed to grant such permission for way leave on the NHAI

Row as per terms and conditions here in after mentioned.

Now this agreement witness that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility service as per the approved drawing attached hereto subject to the following conditions, namely.

1. ROW permission are only enabling in nature. The purpose of extending the way leave facility on the National Highways 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 the activities defined in the licensee 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 o below, or by the side of the utilities laid by the first user, subject to technical requirement shall be final and binding on all concerned parties In case of any disruption/damage is caused 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 regularity approvals & necessary clearances, supply of equipment's material construction, erection, testing and commission in ,maintenance and operation and all other activities essential are required for the functioning of the own utility/industrial infrastructure facilities.
4. The Licensee shall pay the licensee fees at RS- /Sq. m /month to the Authority. The Licensee fee shall become payable from the date handing over of ROW land to the Licensee lines for infrastructures/ service provider. As regards for laying of utilities/cables/conduits / pipelines for infrastructure / service provider. As regards Traffic 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 licensee 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 MORT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In case where ducts with sufficient space are already available along NH, the utility service shall be laid in such ducts subject to technical requirements being fulfilled.

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi



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 carriage way, central verge, shoulders, Slopes or embankment, drains other road side furniture, etc., the utility service shall be beyond the line of the embankments and clear of the drain.

8. The Licensee shall make his own arrangements 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 arrangements as assessed by the authority shall be payable by the licensee

9. In exception cases, where ROW is restricted the utility service can be allowed beneath ne carriageway or 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 maintenancewill 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 roadlane and maintenance or the Nationalhighways. Towards this to of the utility services shall be at least 0.60 meter below the ground level. hlowever, any Structure above ground shall be aesthetically provide for / Landscapedwith required safety measures as directed by the concerned Authority.

11. The utility service shall be permitted to cro5S the National highwayeither 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 or slope to toe or slope and shall De 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 pipes containing the utility services to cross the road shall be at least 1.65 m below the top of the sub grade or the existing ground level whichever slower, subject to being at least 0.3 m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.

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 by 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 as possible. The trench width should be at least 3 cm. But not more than 60 cms wider than the outer diameter of pipe Filing or the trench hall conforms 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 or lumps, colds and cobbles, and graded to yield a firm surface without sudden change in theDearing 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 (ii) the pipe Overfill to the bottom of the road crust.

c) The side fill shall consists 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 consolidation by saturation or ponding will not be permitted.

*S. Nimal*  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi



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 excavated trench for laying utility service 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<sup>9</sup> at least 50m away from 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 quality standards.

19. Prior to commencement of any work on the ground, a performance Bank Guarantee RS. Per route meter RS100/persq. 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 designated agency as a Security against improper restoration of ground in terms of filling unsatisfactory compaction damages caused to other underground installation / utility service & interference, Interruption, disruption or taller caused there or to any service etc. In case of the licensee failing to discharge the obligation of making good or the excavated trench/ other restoration work, the Authority Shall have a right to make good one 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 is 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 Bank Guarantee, the Licensee shall either furnish a fresh guarantee or a further period of one year. Notwithstanding this, the licensee shall be responsible to aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of his right.

21. The licensee shall shift the utility Service within 90 days (or as specification by Authority) from the date of issues or the notice by the concerned Authority to shift / relocate services, in Case it is required 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 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, 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 to 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 man ways, 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

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi

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 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 fresher maintenance/repair works shall have to be furnished by the Licensee.

27. Each day, 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 cable/ducts.

29. The permission for laying utility services is granted maximum for 5 years at a time, which may 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 fees 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.

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 prescribed. No use of NH Row will be permitted to any purpose other than 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 cables 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 work

36. The Licensee shall allow free access to the site at all times of either representatives of authority to inspect the project facilities and to investigate any matter within 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. Notwithstanding anything contained

  
Executive Engineer  
TWAD Board, Project Director  
Karaikudi

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 Manufactures,
- 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 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 in 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 reach bearing debris, loose earth produced due to excavation or trending proper filing and compaction at least 50m away from the edge of the Row.

42. Any disputes in interpretation of the terms and condition of this agreement or the Implementation shall be referred to the redress mechanism prevailing in the Ministry and one Decision of the redress mechanism shall be final and binding on all.

43. In 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, Project Divisor  
Karaikudi

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

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi  
(Signature, name, address with Stamp)

SIGNED ON BEHALF OF M/S (LICENSEE)

BY SHRI



(Signature, name, address with Stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO.

\_\_\_\_\_ DATED \_\_\_\_\_ PASSED BY THE BOARD OF DIRECTORS IN  
THE MEETING HELD ON \_\_\_\_\_

IN THE PRESENCE OF (WITNESSES)

1.   
[K. VEERAMANI]  
Asst. Project Engineer
2.   
Thirupadai



## Undertaking

1. I, Executive Engineer, Karaikudi, Tamilnadu state, do hereby undertake that not to Damage any other utility, if damaged, we will pay the losses either to NHAI or to the Concerned agency.
2. I, Executive Engineer, Karaikudi, Tamilnadu State, do hereby undertake that renew the Bank Guarantee if required.
3. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that confirm all Standard conditions of NHAI's guidelines.
4. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that Shift of water Supply pipe line as and when required by NHAI at our own cost.
5. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that Shift the water Supply Pipe line due to 4 laning with paved shoulder/ widening of NH at a later date.
6. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that and Indemnity against all damages and claims as per clause (xxiv).
7. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that manage the Traffic movement during laying of water Supply pipeline
8. I, Executive Engineer, Karaikudi, Tamil Nadu State do hereby undertake that accept any Claims raised by the Concessionaire if any and the same will be paid by as.
9. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that obtain prior Approval of the NHAI before undertaking any work of installation, shifting or repairs, or Alternations to the showing WATER PIPE LINE Located in the National highway right-Ofway.
10. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that bear the Expenditure, any, incurred by NHAI for repairing any damage caused to the National Highway By the laying, maintenance or shifting of the WATER PIPE LINE.
11. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that 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. I, Executive Engineer, Karaikudi, Tamil Nādu State do hereby undertake that pay the fee Rent as mentioned in the Ministry's Guidelines Lr.No.RW/NH-33044/27/2005-S8&R (R) dated.21.09.2010 as and when asked by NHAI.
13. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that the HDD Method will be adopted for crossings of all cross roads at grade separators, at grade Junctions and wherever required and in the built up areas as per the instruction or NAL Officials.
14. I, Executive Engineer, Karaikudi, Tamilnadu State do hereby undertake that the existing Avenue plantation is not affect due to the present proposed DI pipe along the road from In The Executive Engineer, TWAD Board, Project Division, Karaikudi, Tamilnadu State.

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi

15. Lr.No.RW/NH-33044/27/2005 S&R (R) dated.21.09.2010 as and when asked by NHAI, Reference Circular issued by Ministry of Road Transport & Highways, GOI, Circular No.RW/NH-33044/ 27/ 2005 S&R (R) dated. 21 September 2010. Where in, the last paragraph that "The Highway Administration Rules 2004 will be modified accordingly. This circular will come in to effect from the date of notification of the modified Highway Administration Rule" So we hereby give our consent to abide by the content of this circular from the date of its notification by MORTH, GOI and agree to pay the ground rent any other charges applicable for the section as applied by us.

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi



CERTIFICATE

- (i) Installation of DI Pipe will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
- (ii) For 4-lanning with paved shoulder "We do undertake that I will relocate service road/approach road/ utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future four-laning with paved shoulder or any other development".

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi

**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-way is possible but not less than 15 meter from the center-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 underground utility shall ensure that laying Water Supply Pipe Line should not have any deleterious effects on any of the bridge components and Road way safety for traffic.
6. The lines shall cross the National Highway preferably in 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 meters.
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 slope toe of slope in the fills.
11. The top of 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 may 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.

  
**Executive Engineer**  
**TWAD Board, Project Division**  
**Karakudi**

(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 edges 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 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 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 NHAL 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-way.

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 NHAL 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 50 m away from the edge of the right of way.

20. The licensee shall furnish a Bank Guarantee to the NHAL @ Rs50/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required all 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 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 NHA, Govt. of India. To be excavated by excavation, at the cost of the licensee and recover to shift/relocate the Water Supply pipe line. In case it is 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

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ensure the safety and security of already existing cable/underground installation/utilities facilities etc. before commencement of the excavation.

24. The licensee shall be solely responsible/liable for full compensation/indemnification image and risk of the licensee of agency/aggrieved remitsought aloe have a right to Concerned agency/aggrieved owner for any Indirect or consequential demesne 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 license fails to comply with the condition 22 and 25 above to the sa0sraction 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 the in Case any damage is caused to the road pavement n the process, own cost. Will be requires 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 any water Supply pipe line will be laid at the extreme edge of the road in the non-51 sourceonly.

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 dig9ing trenches roar tree of maintenance/repair work. A separate work plan and a separate performance bank Guarantee @ RS100/- per meter length for maintenance/ repair Work Snail nave to De furnished by the licensee.

30. Each day, the extent of digging the trenches should be strictly regulated so that cabbies are laid and trenches Tilled up before the close of the work that day. Filling soil be Completed to the satisfaction of the concerned agency designated by the NHAI.

31. The licence shall indemnity the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the dig9ing 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 anyOwnership 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 nave been filled up to the satisfactions of the concerned agency in co-ordination with the owner gas been obtained.

  
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38. Not with standing anything NHAI contained herein this agreement may be cancelled at time by the or breach of any condition of any loss caused to neither It by such canceie0 nor 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 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 falling which the 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 Conditiontelling which the licensee will lose the right to remove the cables/duct. However, before taking up the work of removal of Water Supply pipe line 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 filing 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 observer Within 24 hours, NHAI will not be responsible for any damage of any kind by Want so ever means natural or otherwise.

43. The enforceability of the Right-of way permission grated here in shall be restricted to the Extent of provisions/scope of service contained/defined in the licensee 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 falls 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 De 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-1/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-1 /P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI () dated n28.7.1993, Ministry Circular No. RW/H- 11037/1/86/D0I dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/S8R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (8) 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 specificationsupuration and the Alignment as approve.

d) The final completion certificate shall be issued/submitted by PD to the HQ to the perfect that, the work has been completed to the entire satisfaction of the Project Director and there was no violation of any condition/ stipulation contained in the agreement, Ministry Circular No. NH-I/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-111/P/66/76 dated 11.5. 1982, Ministry Circular No. RW/NH 11037/1/86-DOI () 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/S8R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003. 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.

  
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f) A register of records of the permissions accorded has to 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.

  
Executive Engineer  
TWAD Board, Project Division  
Karaikudi





தமிழ்நாடு தமில்நாடு TAMILNADU

DA 749335

18/06/2023

The Executive Engineer S. Yelthummar

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Twad Board  
Project Division

INDEMNITY BOND

KARAIKUDI

S. கீதாராணி

முத்தியூர்த் தாள் கிற்புறையாள்  
LNo.3/2000 Dt.11-7-2000

கேள்பு - காரைக்குடி

We the Executive Engineer, TWAD Board, Project Division, Karaikudi indemnify the following to 1219x10mm Diameter of MS pipe along NHAI-83 center median portion / ducts etc. from along with across the road from near Muthapudaiyanpatti, along the road from KM 357/550 to 357/800 (RHS)-250Mtrs and 1 No of crossing at KM 357/550 instead of KM from 357/865 to 358/025 (RHS) - 160Mtrs and 1 No of crossing at KM 358/025 on NHAI-83 in Trichy - Manaparai road for combined water supply scheme to 8 Town Panchayats and 2452 rural habitations and bulk provision to 3 Municipalities in Sivagangai District with river Cauvery as source.

1. The work of trench and laying of water supply pipe line along the NH will be carried out as per standard prescribed by NHAI only after getting approval from the competent authority
2. Indemnity against all damages and claims by the license.
3. Any shifting of the pipe line due to widening of NH will be made by us within the time fixed by NHAI at our cost without financial implication to NHAI.
4. Rent and taxes are will be daily paid by us.

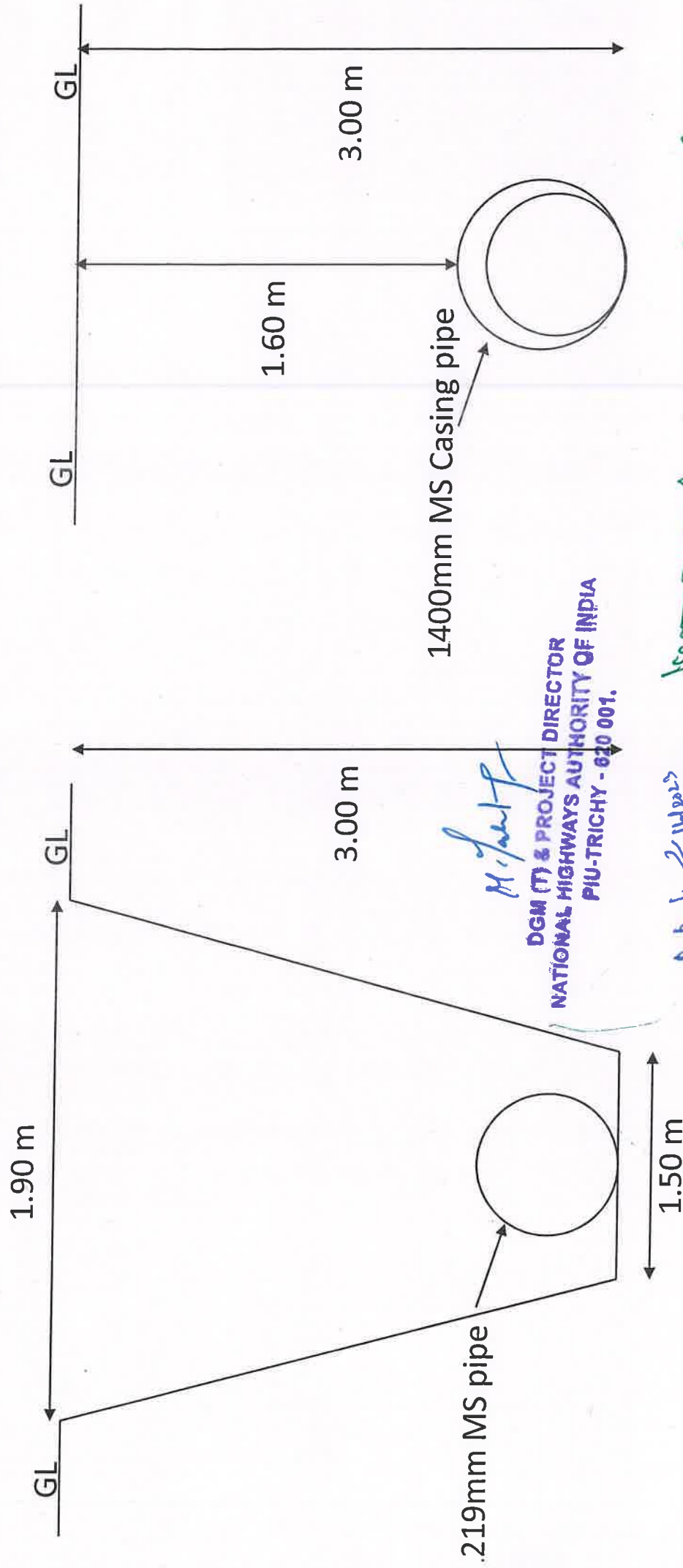
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TWAD Board, Project Div  
Karaikudi

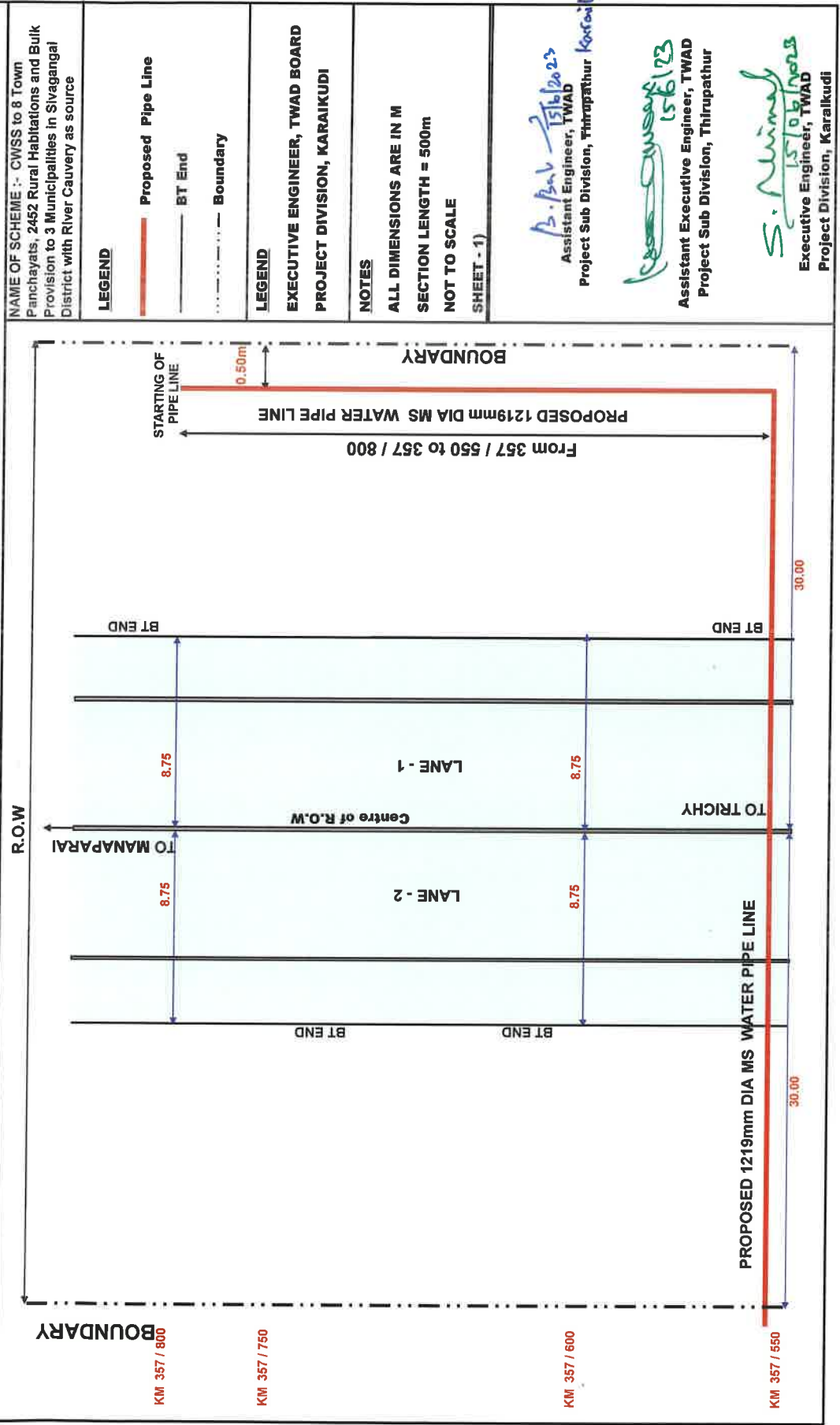
# PROPOSAL FOR LAYING WATER PIPE LINE ALONG @ KM 357/550 to 357/800 ACROSS @ KM 357/550

## Cross Section

## For Laying Pipe along NH-83



Laying of water pipe line 1219mm dia MS pipes along NH - 83 TRICHY - MANAPARAI (NHA) near Muthapudayampatti Junction from KM 357/550 to 357/800 (RHS) to a total Length of 250 M by Trench Method and 1 No of crossing at KM 357/550 on National Highways No.83 by Trenchless Method.



**NAME OF SCHEME :-** CWSS to 8 Town Panchayats, 2452 Rural Habitations and Bulk Provision to 3 Municipalities in Sivagangal District with River Cauvery as source

**LEGEND**

- Proposed Pipe Line
- BT End
- Boundary

**LEGEND**

EXECUTIVE ENGINEER, TWAD BOARD  
PROJECT DIVISION, KARAİKUDI

**NOTES**

ALL DIMENSIONS ARE IN M  
SECTION LENGTH = 500m  
NOT TO SCALE  
SHEET - 1)

**Project Sub Division, Thirupathur Karaikudi**

**Project Sub Division, Thirupathur Karaikudi**

**Project Sub Division, Thirupathur Karaikudi**

*M. S. S. S.*

DGM (T) & PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-TRICHY - 620 001.