



**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 प्लाज़ा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माटुतावनी, मदुरै-625 107  
2<sup>nd</sup> & 3<sup>rd</sup> Floor, Vijay Krishna Plaza, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai-625 107  
दूरभाष/ Tele : +91-452-258 8999 वेब/Website : www.nhai.gov.in ई-मेल/ E-mail : romadurai@nhai.org



NHAI/15018/4.5/01/2023/RO Madurai/E:214609/1286

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

**INVITATION OF PUBLIC COMMENTS**

**विषय:** भाराराप्रा - क्षे.का. मदुरै- पकाई, नागरकोइल - Permission for laying of water pipe line from Km 176/850 to Km 180/350 (RHS), Km 177/700 to Km 178/100 (LHS), Km 181/990 to Km 184/450 (RHS), Km 186/900 to Km 190/175 (RHS) & Km 211/750 to Km 212/384 (RHS) by Open Trench Method and Trenchless crossing at Km 181/990, Km 184/450, 186/900 & Km 212/384 by HDD Method in Madurai - Kanyakumari section of NH-44 in the state of Tamil Nadu under the limits of National Highways Authority of India - Invitation of Public Comments - Reg.

**प्रसंग:** PD, Nagercoil Lr. No. NHAI/PD/PIU/NGL/SE-1/NH-44/TWAD/2023/1457 dated 22.07.2023.

The proposal received from PD, Nagercoil vide letter cited above thereby requesting permission for laying of water pipe line from Km 176/850 to Km 180/350 (RHS), Km 177/700 to Km 178/100 (LHS), Km 181/990 to Km 184/450 (RHS), Km 186/900 to Km 190/175 (RHS) & Km 211/750 to Km 212/384 (RHS) by Open Trench Method and Trenchless crossing at Km 181/990, Km 184/450, 186/900 & Km 212/384 by HDD Method in Madurai - Kanyakumari section of NH-44 in the state of Tamil Nadu as per proposal submitted by Executive Engineer, TWAD Board, Urban Division, Tirunelveli.

2) 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.

*महेन्द्र मीना*  
25/07/23

महेन्द्र मीना|MAHENDRA MEENA  
उप प्रबंधक (तक)|DY. MGR (Tech)

**संलग्न:** As above

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

# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD



## PERMISSION PROPOSALS

Permission For laying of Under Ground water supply pipe line along the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary and across at Km 181/990, 184/450, 186/900, 212/384 of NH 44 (Madurai – Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District.

Total Length: 10266 meters

No.of Road Crossings: 4 Nos

EXECUTIVE ENGINEER, TWAD BOARD,  
URBAN DIVISION, TIRUNELVELI

# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD



## PERMISSION PROPOSALS

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Total Length: 10266 meters

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**EXECUTIVE ENGINEER, TWAD BOARD,  
URBAN DIVISION, TIRUNELVELI**

**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

From

Er. R.Ganesh Kumar.,B.E  
Executive Engineer,  
TWAD Board,  
Urban division,  
Tirunelveli

To

The Project Director,  
National Highways Authority of India  
Parvathipuram  
Nagercoil.

**Lr.No. 183/ F.831 CWSS - NHAI/ JDO / 2023/ dt.18.03.2023**

Sir,

**Sub :** TWAD board - Providing CWSS to 831 habitations in Tirunelveli district – Water supply Pipelines to be laid along and across NHAI roads – Permission requested – Proposal submitted - Regarding.

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The work for Providing CWSS to 831 habitations in Tirunelveli district is being implemented by TWAD board. In this regard, water supply pipelines has to be laid along and across certain reaches which are under the control of NHAI in NH 44 for which the necessary proposals has been prepared and submitted herewith. This scheme work has to be commenced shortly. Hence I request you to grant permission to complete the laying of water supply underground pipelines at the NHAI boundary, so as to complete the scheme as early and bring it to beneficiary use.

I request your kind cooperation in this regard.

**Enclosures :**

- 1) Proposal – 1 no


NHAI-PIU-Nagercoil	
Inward No :	674
Date :	23.3.23
PD	
Dy. M	
SE-1	
SE-2	
SE-3	
LO-1	
LO-2	
IT Expt.	
Acct	
Stereo	
Other	

  
Executive Engineer, TWAD Board.,  
Urban division, Tirunelveli.

**Proposal for Laying of TWAD Water pipe along and across the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary of NH 44 Madurai – Kanyakumari Road (NHAI)**

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1	Check List	
2	Conditions	
3	Annexure for the conditions and Certificate	
4	Undertaking Bond	
5	License Deed	
6	Indemnity Bond	
7	Conditions for utility crossings	
8	Strip Plan	
9	Cross Sections	
10	Guideline Value	
11	Online Application	

  
**Assistant Engineer**  
**TWAD Board**  
**Maintenance Sub Division**  
**Nanguneri.**

  
**Assistant Executive Engineer**  
TWAD, Maintenance Sub Division,  
Nanguneri.

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

**Proposal for Laying of TWAD Water pipe along and across the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary of NH 44 Madurai – Kanyakumari Road (NHAI)**

### **General to Accompany All Proposals**

#### **Check List**

##### **General**

- |           |   |   |  |
|-----------|---|---|--|
| <b>I.</b> | i] whether the site plan is drawn to a scale of<br>1: 5000 or 1: 2500 and enclosed  | : | NTS  |
|           | ii] Whether the details of 100M on either side of<br>The utilizing laying have been furnished   | : | No.  |
|           | iii] Does the site plan show in full  | : | Yes.   |
|           | a] The NH boundary line with distance from<br>center Line of the road marked at salient points<br>where the NH land width is changing and also<br>at 200M intervals | : | Yes.   |
|           | b] The berm line and distance from centre line at<br>200M intervals and also at salient point of<br>change of width of NH land                                      | : | Yes.   |
|           | c] Center line of pavement and pavement edge<br>line Marked distinctly.   | : | Yes.   |
|           | d] Medians, if any, marked to scale.  | : | Yes.   |
|           | e] The location of the utility line of proposal with<br>drainage; showing exact locations and distance<br>from NH centre line.                                      | : | Yes.   |
|           | f] The existing culvert / drainage works with<br>dimensions.  | : | Yes.   |
| <b>2</b>  | a] Purpose of the proposal in details   | : | Providing CWSS to 831 habitations in Tirunelveli<br>District |
|           | b] Exact location of proposal   | : | Madurai – Kanyakumari (NHAI)-NH 44                           |

1. Along the Road at 176/850 to 180/350 = 3500 m  
(RHS) Near Sengulam

2. Along the Road at 177/700 to 178/100 = 400 m  
(LHS) Near Montruadaippu

3. Along the Road at 181/990 to 184/450 = 2460 m  
(RHS) Near Pannankulam

Across the Road at 181/990

4. Along the Road at 186/900 to 190/175 = 3275 m  
(RHS) Near Thalaikulam

Across the Road at 186/900

5. Along the Road at 211/750 to 212/384 = 634m  
(RHS) Near Panagudi

Across the Road at 212/384

- 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

T. V. Raji  
22/7/23  
PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

Assistant Engineer  
TWAD Board  
Maintenance Sub Division  
Nanguneri.

Assistant Executive Engineer  
TWAD, Maintenance Sub Division,  
Nanguneri.

Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.



## 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.

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



### Annexure-I

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

1. The Water Supply pipe line shall be located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.
2. The Water Supply pipe line shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges without the prior approval of NHAI/Government of India.
3. The Water Supply pipe line shall be so placed that at no time there is interference with the maintenance of the National Highways.
4. These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.
5. The authority/ owner of the under ground utility shall ensure that laying Water Supply pipe line should not have any deleterious effects on any of the bridge components and roadway safety for traffic.
6. The lines shall cross the National Highways preferably on a line normal to it or as nearly so as practicable.
7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.
8. The Water Supply pipe line is permitted to cross the National Highway, either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owning the line. Existing drainage structures shall not be allowed to carry the lines across.
9. The casing pipe (or conduit pipe in the case of electric cable) carrying the Water Supply pipe line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.
10. The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.
11. The top pf the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.
12. The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall only be permitted where the existing road pavement is of cement concrete or dense bituminous concrete type.
13. The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.
14. Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type)
  - (a) The sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.
  - (b) Filling of the trench shall conform to the specifications contained herein below.

- (c) Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.
  - (d) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.
  - (e) The 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. Consolidation by saturation or ponding will not be permitted.
  - (f) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highways Authority. Care shall be taken to avoid the formation of a dip at the trench.
  - (g) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.
15. If needed, a diversion shall be constructed at the expense of agency owning the Water Supply pipe line.
16. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Water Supply pipe line located in the National highway right-of-ways.
17. Expenditure, if any, incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water Supply pipe line will be borne by the agency owning the Water Supply pipe line.
18. If the NHAI considers it necessary in future to move the Water Supply pipe line for any work of improvement of repairs to the road, it will be carried out as desired by the Highway Authority at the cost of the agency owning the Water Supply pipe line within a reasonable time (not exceeding 60 days) of the intimation given.
19. The licensee shall ensure making good the excavated trench for laying Water Supply pipe line by proper filling and compaction, so as to restore the land in to the same conditions as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
20. The licensee shall furnish a Bank Guarantee to the NHAI @ Rs50/- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.
21. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee, the licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of the licensee failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.


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

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

  
18/03/23  
**Assistant Engineer**  
TWAD Board  
Maintenance Sub Division  
Nanguneri.

  
18/03/23  
**Assistant Executive Engineer**  
TWAD, Maintenance Sub Division,  
Nanguneri.

  
18/03/23  
**Executive Engineer, TWAD Board,**  
Urban Division, Tirunelveli.

## CERTIFICATE

### **Certified that**

1. The proposal when implemented will not definitely affect the design stability and traffic safety of National Highway.
2. If this proposal is implemented now, it will not affect any likely future improvements such as improvements to geometrics.
3. There is no proposal for improvement in this structure likely to be sanctioned in near future.
4. The proposal is in accordance with the Government of India's specifications.
5. The site has been inspected and there will not be any hindrance for the NH road and for future development.



Executive Engineer  
TWAD Board,  
Urban Division  
Tirunelveli





தமிழ்நாடு தமில்நாடு TAMILNADU

The Executive Engineer, TWAD Board /  
தமிழ்நாடு Urban Division, Tirunelveli  
கனம்: 18/03/2003

Dr. Jeevan  
DA 976788

என்.ஆர். சத்தாப் பிள்ளை  
தமிழ்நாடு தமில்நாடு  
உரிமை எண். 29/2008 தாள்: 20-8-2008  
மட்டம் திண்டுக்கூர், 148, கனம்: 2008  
தமிழ்நாடு-1.

### UNDER TAKING

- 1) The Work of Trenching and laying of water carrying pipe line for laying Under Ground water supply pipe line along the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary and across at Km 181/990, 184/450, 186/900, 212/384 of NH 44 (Madurai -Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District. will be carried out only on getting the approval from competent.
- 2) We undertake to shift the pipe line if required at any time owing to expansion of the road or if necessary by NHAI authorities.
- 3) Trench less Technology will be adopted wherever required and in the builtup areas as per the instructions of NHAI officials.
- 4) I do undertake that I will relocate service road/ approach road/ utility at my own cost not withstanding the permissions granted with in such time as will be stipulated by NHAI for future six lanning or any other development

  
Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.



Name of work: Providing CWSS to 831 Habitation in Tirunelveli District

**CERTIFICATE OF UNDER TAKING/INDEMNIFYING - NHAI**

This has reference to our proposal for laying and jointing of Water supply pipe line along NH 44 Madurai – Kanyakumari Road, in our opinion undertaking is given for the following clauses

- 5.1 It is agreed hereby Not to Damage other utility, if damaged then to pay the losses either to NHAI or to the Concerned Agency
- 5.2 Renewal of Bank Guarantee is hereby accepted if it is necessary in future.
- 5.3 It is agreed hereby for Confirming all standard condition of NHAI's guidelines
- 5.4 It is agreed hereby for Shifting of water supply pipe line as and when required by NHAI at our own cost
- 5.5 Shifting due to 6 lanning / widening of NHAI is accepted herewith.
- 5.6 It is agreed hereby for the Indemnity against all damages and claims as per clause (xxiv)
- 5.7 It is agreed hereby manage our self the Traffic movement during laying of under ground pipe line
- 5.8 It is agreed hereby to pay the claim if any claim is raised by the concessionaire
- 5.9 It is agreed hereby that Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing under ground water pipe line in the National Highways right of ways
- 5.10 Expenditure if any incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance or shifting of the under ground water pipe line will be borne by the agency owing the line
- 5.11 It is agreed hereby that if the NHAI considers it necessary in future to move the utility line to any work 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
- 5.12 It is also certified that
  - (i) Laying of under ground water pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic
  - (ii) for 6 lanning "we do undertake that I will relocate service road / approach road / utility at our own cost notwithstanding by NHAI" for future six lanning or any other development"

  
Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.

**Name of work:** Providing CWSS to 831 Habitation in Tirunelveli District

To

The Project Director,  
NHAI,  
Nagercoil.

**CERTIFICATE OF UNDER TAKING/INDEMNIFYING - NHAI**

This has reference to our proposal for laying and jointing of water supply pipe line along NH 44 of Madurai - Kanyakumari Road, in our opinion, the laying of pipe line along NH 44 Road adhere to all the setback requirements and provisions for road widening. All the pipe line that may fall in the area of be widened will be removed and shifted at our own expenses and as directed by National Highways Authority of India. We also hereby indemnity the National Highways Authority of India for any consequences of the above

  
Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.



தமிழ்நாடு தமிழ்நாடு TAMILNADU

தமிழ்நாடு

100/-

100/-

The Executive Engineer, TWAD Board  
Urban Division, Tirunelveli  
18103/2083

DA 976787

செ.ஆர். கந்தசம் பிள்ளை  
முன்னாள் திருநெல்வேலி  
உயர்மன்றம்: 28/2008 தள்ள: 20-8-2008  
பி.பி.சி. திருநெல்வேலி, 188, சைன்ஸ் நகர்  
தருவையூர்-1.

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR  
LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement to lay Under Ground water supply pipe line along the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary and across at Km 181/990, 184/450, 186/900, 212/384 of NH 44 (Madurai – Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) \_\_\_\_\_ of (Year)

Between

\_\_\_\_\_ acting in his executive capacity through \_\_\_\_\_ (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,

And

The Executive Engineer, TWAD BOARD, Project Division, Nagercoil (hereafter called the Licensee") which expression shall unless excluded by repugnant to the context, include his successors / administrator assignees on the second part.

Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.




Whereas the Authority is responsible, inter-alia, for development and maintenance of lands for laying Under Ground water supply pipe line along and across the road from **Km 176/850 TO 180/350 (RHS), 177/700 TO 178/100 (LHS), 181/990 TO 184/450 (RHS), 186/900 TO 190/175 (RHS) and 211/750 TO 212/384 (RHS)** at boundary of NH 44 (Madurai – Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District. Whereas the Licensee proposes to lay pipe line referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services for laying Under Ground water supply pipe line along and across the road from **Km 176/850 TO 180/350 (RHS), 177/700 TO 178/100 (LHS), 181/990 TO 184/450 (RHS), 186/900 TO 190/175 (RHS) and 211/750 TO 212/384 (RHS)** at boundary of NH 44 (Madurai – Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District. 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 witnesseth 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 services as per the approved drawing attached hereto subject to the following conditions, namely.

1. RoW permissions 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 requirements 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 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 regulatory approvals & necessary clearances, supply of equipment, 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.8369.01 /sq.m/ month** to the Authority. 'The Licensee fee shall become payable from the date of handing over of RoW land to the

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

-7-

Licensee, for laying of 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 2.00m wide utility corridor on either side of the extreme edge of RoW. In cases 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 utility 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, shoulder, slopes of embankment, drains, other road side features etc., the utility services shall be laid along the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing 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 arrangements with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, If available, subject to the condition that the utility services 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 services shall not interfere with the safe and smooth flow of traffic. The cost 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 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing/ conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope to toe of slope in the fills and

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

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

12. Existing drainage structures 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 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-I.
14. The utility services 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 cm wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in –below or as supplied by the Highway Authority.
  - a. Bedding shall be to a depth not less than 30cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
  - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Over fill to the bottom of the road crust.
  - c. The side fill shall consist of granular material laid in 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - 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.

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

- 11 -
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. 1762222/- per route metre /Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/ its designated agency as security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations/utility services& interference, interruption, disruption or failure caused thereof to any services 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 damages 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 date of issue of the Bank Guarantee , the Licensee shall either furnish a fresh guarantee for a further period of one year. Notwithstanding this, the licensee shall be liable to pay full compensation to 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 services within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so 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 installations/ facilities etc. The Licensee shall endure 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 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.

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



25. Grant of License is subject to the License satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting or the road for crossing highway, and other roads any try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in the process, the License 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 License 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 License 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 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.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services 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.

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

33. During the subsistence of this Agreement, the utility services 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 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 works.
36. The Licensee shall allow free access to the site 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 service shall not be made operational by the Licensee unless a completion certificate to the effect that the utility service has been laid in accordance with the approved specification 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 herein, this agreement may be cancelled at anytime by authority for 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.
38. The licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods 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, take account of:
  - a. Operation, repair and maintenance guidelines given by 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 measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, 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

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

diversion works are found necessary during the working period such diversion shall be provided at the cost Licensee.

41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.
42. Any disputes in interpretation of the terms and condition of this agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility service by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaries. MoRT & H/ NHAI/ implementing authorities for the project shall not be liable the concessionaire in any way in this regard.

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

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


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

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

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

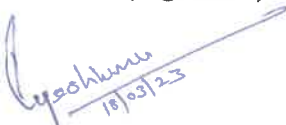
In the presence of

1. Name in full (Signature) with designation

  
18/3/23  
T. G. RAJESH K. RAJ

**Assistant Executive Engineer**  
TWAD, Maintenance Sub Division,  
Nanguneri.

2. Name in full (Signature) with designation

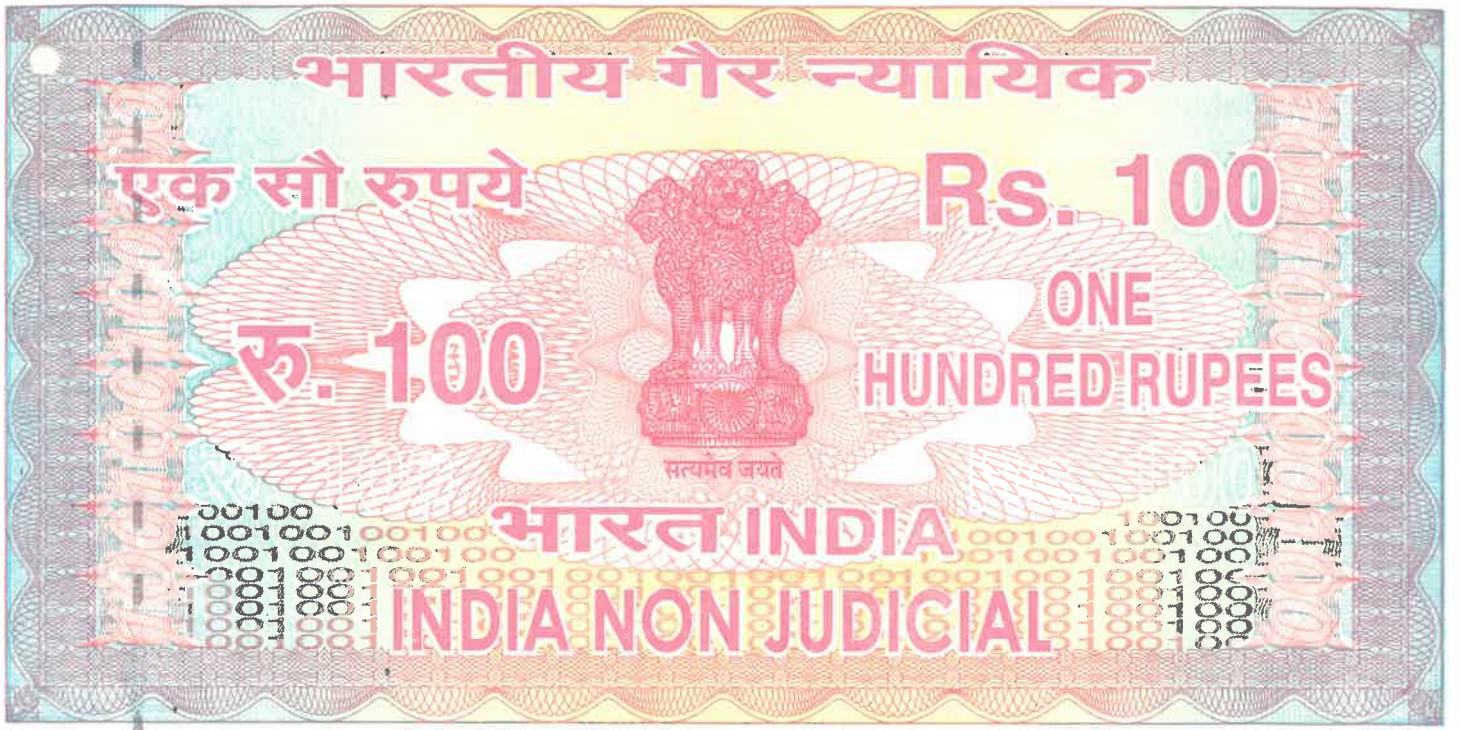
  
18/03/23  
V. R. RAJESH KUMAR

**Assistant Engineer**  
TWAD Board  
Maintenance Sub Division  
Nanguneri.

1. Name in full (Signature) with designation

2. Name in full (Signature) with designation





தமிழ்நாடு தமில்நாடு TAMILNADU

CK 526608

The Executive Engineers Rs. 100/-  
Urban Board

27 MAR 2023

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

INDEMNITY BOND

**Name of Work :** Proposal for laying of Under Ground water supply pipe line along the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary and across at Km 181/990, 184/450, 186/900, 212/384 of NH 44 Madurai – Kanyakumari Road (NHAI).

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

We, Executive Engineer, TWAD Board, Urban Division, Tirunelveli do hereby indemnify Project Director, National Highways of India, Project Implementation Unit binding ourselves to pay all the losses and claims in respect of laying of Under Ground water supply pipe line along the road from Km 176/850 To 180/350 (RHS), 177/700 To 178/100 (LHS), 181/990 To 184/450 (RHS), 186/900 To 190/175 (RHS) and 211/750 To 212/384 (RHS) at boundary and Trechless crossing at Km 181/990, 184/450, 186/900, 212/384 of NH 44 in Madurai Kanyakumari Road in Tamilnadu state for a total length 10.266 Kms in National Highways, Nagercoil or maintenance thereof and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof in relation there to. Failing such payments of claims in the above work we abide in accepting for recovery such claims affected from any of our assets.

Executive Engineer / TWAD Board.  
Urban Division-Tirunelveli.

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

**I. LAYING OF UTILITY LINE ACROSS NATIONAL HIGHWAYS:**

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

### **B. LAYING OF UTILITY LINE ACROSS NH:**

1. Chainage at which it crosses the NH : NIL
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. : NA
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. : NA
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 : NA
- 4] The detail of casing pipes such as its dia, materials etc : NA
- 5] Whether the ends of casing or conduct pipe are sealed from outside so that it may not act as Drainage path. : NA
- 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. : NA
- 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. : NA



#### 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
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

  
18/03/23  
**Assistant Engineer**  
TWAD Board  
Maintenance Sub Division  
Nanguneri.

  
18/3/23  
**Assistant Executive Engineer**  
TWAD, Maintenance Sub Division,  
Nanguneri.

  
18/3/23  
**Executive Engineer, TWAD Board,**  
Urban Division, Tirunelveli.

### CERTIFICATE

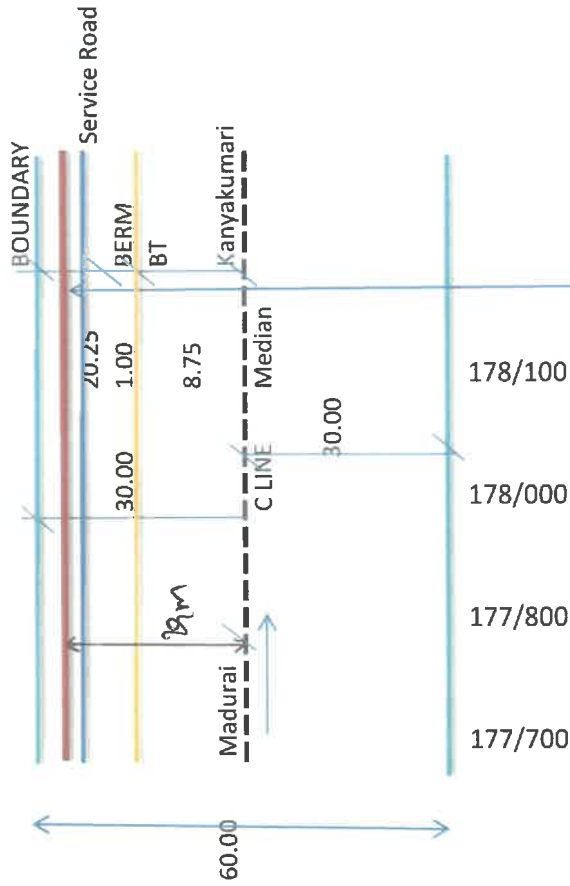
1. This proposal when implemented will not affect the design stability and traffic safety of National Highways Authority of India.
2. This proposal implemented now, will not affect any likely future improvements such as Improvements to geometries.
3. There is no proposal for improvements in this stretch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



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

**Name of Work: Providing CWSS to 831 Habitations in Tirunelveli district**

Along the Reach Km177/700 to 178/100 (LHS) Madurai - Kanyakumari Road(LHS)



Proposed 75 mm HDPE Pipe

G.L. Top of Subgrade

Proposed 75 mm HDPE Pipe

All Dimensions in metre

15/03/23  
ASSISTANT ENGINEER  
TWAD BOARD  
MAINTENANCE SECTION  
NANGUNERI

15/3/23

ASSISTANT EXECUTIVE ENGINEER  
TWAD BOARD  
MAINTENANCE SUB DIVISION  
NANGUNERI

15/3/23  
Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.

Remarks:-

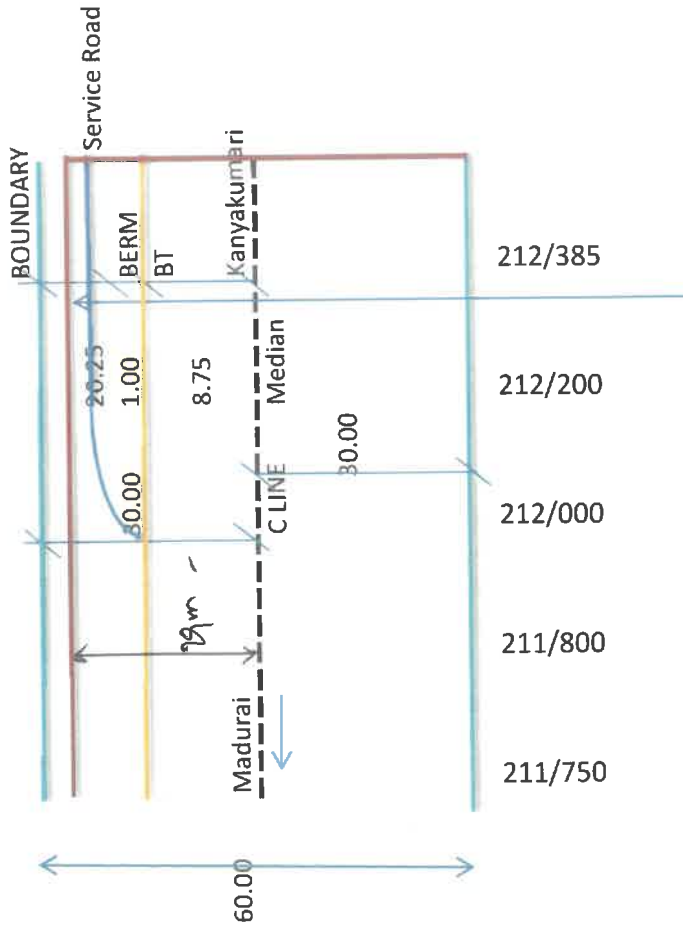
Minimum depth should be 1.20m from top of Sub-grade.  
S. Subramaniam 8/3/23

T. V. Raj

PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

# **Name of Work: Providing CWSS to 831 Habitations in Tirunelveli district**

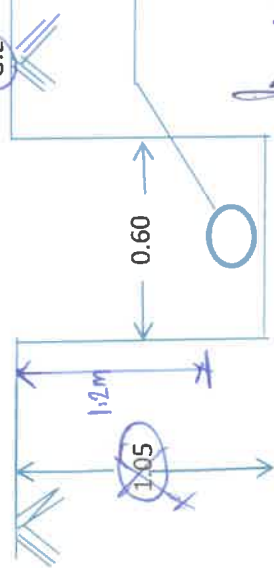
Along the Reach Km 211/750 to 212/384 (RHS) Madurai - Kanyakumari Road



- Remarks:-**
1. The minimum depth should be 1.20m from top of sub grade.
  2. The above compliance should be followed in all cross section drawing.

Proposed 110 mm HDPE Pipe

G.L. Top of Subgrade\*



All Dimensions in metre

**PROJECT DIRECTOR**  
NHAI, PIU, Nagercoil

*[Signature]*  
18/3/23

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

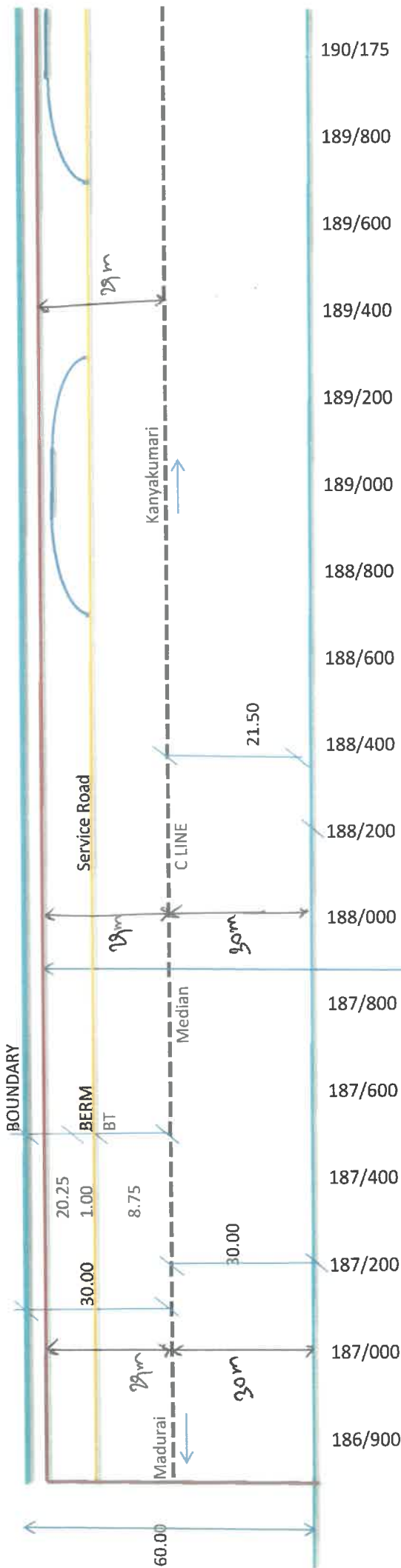
*[Signature]*  
18/3/23  
**ASSISTANT EXECUTIVE ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SUB DIVISION**  
**NANGUNERI**

*[Signature]*  
18/3/23  
**ASSISTANT ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SECTION**  
**NANGUNERI**

# **Name of Work: Providing CWSS to 831 Habitations in Tirunelveli district**

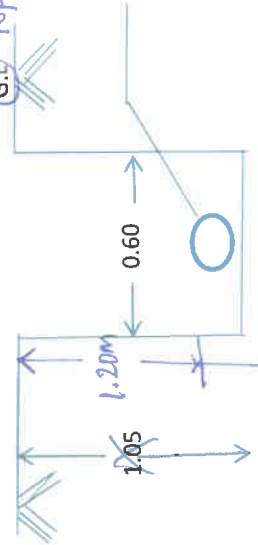
Along the Reach Km 186/900 to 190/175 (RHS) Madurai - Kanyakumari Road

S



Proposed 75 mm HDPE Pipe

G.L. Top of Subgrade



All Dimensions in metre

Remarks:

Minimum depth should be 1.20m from top of subgrade.

S. Subramanian

T. V. S. S. S. S.

PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

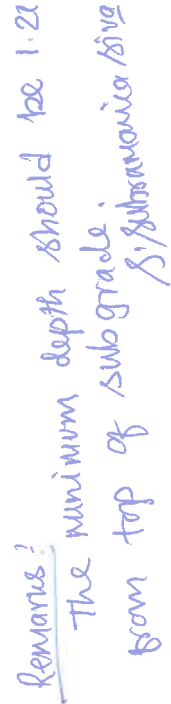
S. S. S. S. S.

Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.

S. S. S. S. S.  
18/3/23  
ASSISTANT EXECUTIVE ENGINEER  
TWAD BOARD  
MAINTENANCE SUB DIVISION  
NANGUNERI

S. S. S. S. S.  
18/3/23  
ASSISTANT ENGINEER  
TWAD BOARD  
MAINTENANCE SECTION  
NANGUNERI

Along the Reach Km 181/990 to 184/450 (RHS) Madurai - Kanyakumari Road



PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

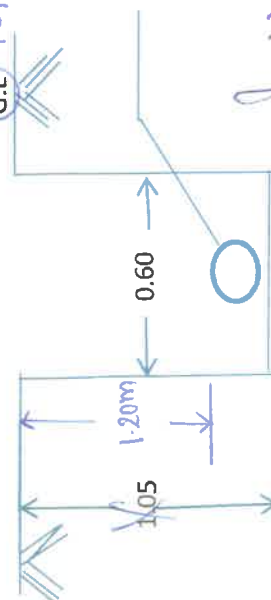
**Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.**

ASSISTANT ENGINEER  
TWAD BOARD  
MAINTENANCE SECTION  
NANGUNERI



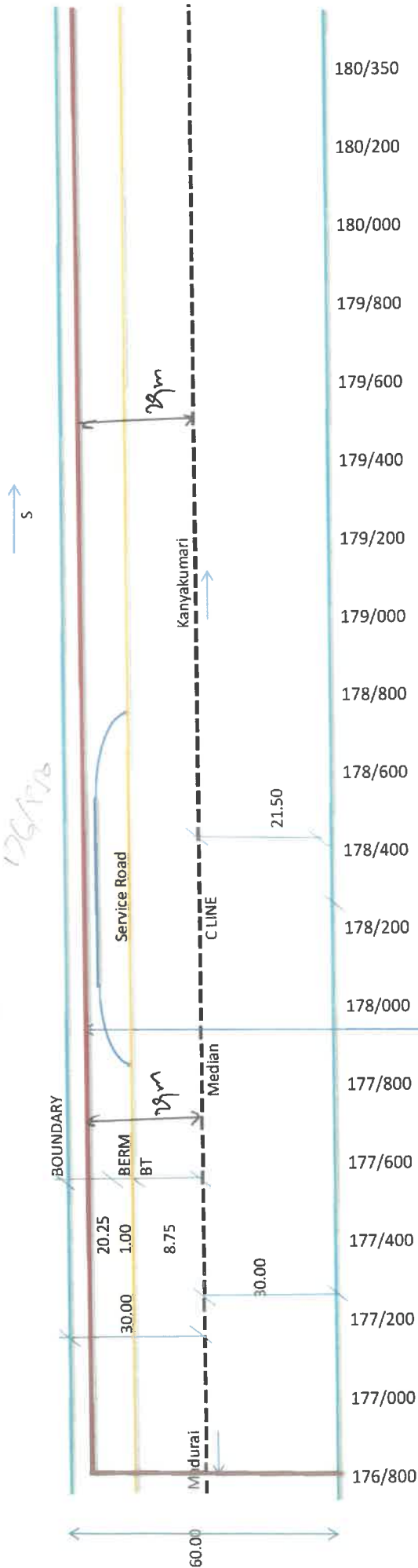
All Dimensions in metre

Proposed 90 mm HDPE Pipe



**Name of Work: Providing CWSS to 831 Habitations in Tirunelveli district**

Along the Reach Km 176/800 to 180/350 (RHS) Madurai - Kanyakumari Road



Proposed 75 mm HDPE Pipe

Top of sub grade



All Dimensions in metre

**Remarks:**  
 \* The minimum depth should be 1.20m from top of subgrade.  
 \* The above condition should be followed in all cross section.

T. V. S. 22/12/23

**PROJECT DIRECTOR**  
 NHAI, PIU, Nagercoil

T. V. S. 22/12/23

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

T. V. S. 22/12/23

**ASSISTANT EXECUTIVE ENGINEER**  
 TWAD BOARD  
 MAINTENANCE SUB DIVISION  
 NANGUNERI

T. V. S. 22/12/23

**ASSISTANT ENGINEER**  
 TWAD BOARD  
 MAINTENANCE SECTION  
 NANGUNERI



**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

**DISTANCE PARTICULARS**

**UNDERGROUND WATER SUPPLY PIPELINE ALONG NH 44 AT 176/850 TO 212/384 (RHS) &  
Km 177/700 - 178/100 (LHS)**

KM	CL TO BT(RHS)	CL TO BOUNDARY(RHS)	CL TO PROPOSED	Remarks
	RHS	RHS	RHS	
176/850	10.70	30.00	29.00	
177/000	10.70	30.00	29.00	
177/200	10.70	30.00	29.00	
177/400	10.70	30.00	29.00	
177/600	10.70	30.00	29.00	
<b>177/700</b>	18.20	30.00	29.00	Service Road
<b>177/800</b>	18.20	30.00	29.00	
<b>178/000</b>	18.20	30.00	29.00	
<b>178/200</b>	18.20	30.00	29.00	
<b>178/400</b>	16.60	30.00	29.00	
<b>178/600</b>	16.60	30.00	29.00	
178/800	9.10	30.00	29.00	
179/000	10.90	30.00	29.00	
179/200	10.90	102.90	101.90	
179/200	10.90	102.90	101.90	
179/400	10.90	102.90	101.90	
179/600	10.70	103.10	102.10	
179/800	10.50	30.00	29.00	
180/000	10.50	30.00	29.00	
180/200	9.10	30.00	29.00	
180/350	9.10	30.00	29.00	
<b>II Reach</b>				
<b>181/990</b>	11.60	30.00	29.00	Road crossing@Km 181/990 Road crossing in Service Road
<b>182/200</b>	11.60	30.00	29.00	
<b>182/220</b>	11.60	30.00	29.00	
182/400	9.10	30.00	29.00	
182/600	9.10	30.00	29.00	
182/800	9.10	30.00	29.00	
183/000	10.70	30.00	29.00	

KM	CL TO BT(RHS)	CL TO BOUNDARY(RHS)	CL TO PROPOSED	Remarks
	RHS	RHS	RHS	
183/200	10.70	30.00	29.00	
183/400	10.70	30.00	29.00	
<b>183/600</b>	13.20	30.00	29.00	Service Road Bus Stop
183/800	10.70	30.00	29.00	
184/000	10.70	30.00	29.00	
184/200	10.70	30.00	29.00	
184/400	11.20	30.00	29.00	
184/450	11.20	30.00	29.00	Road crossing@184/450
III Reach				
186/900	10.70	30.00	29.00	Road crossing@Km186/900
187/000	10.70	30.00	29.00	
187/200	10.70	30.00	29.00	
187/400	10.70	30.00	29.00	
187/600	10.70	30.00	29.00	
187/800	10.70	30.00	29.00	
188/000	10.70	30.00	29.00	
188/200	10.70	30.00	29.00	
188/400	10.70	30.00	29.00	
<b>188/580</b>	21.10	30.00	29.00	Service Road, Bus
<b>188/600</b>	21.10	30.00	29.00	
<b>188/800</b>	21.10	30.00	29.00	
<b>189/000</b>	21.10	30.00	29.00	
<b>189/180</b>	21.10	30.00	29.00	
189/200	18.70	30.00	29.00	
189/400	19.10	30.00	29.00	
<b>189/550</b>	17.10	30.00	29.00	Service Road, Bus
<b>189/600</b>	17.10	30.00	29.00	
<b>189/800</b>	17.10	30.00	29.00	
<b>190/000</b>	35.10	45.10	44.10	
<b>190/175</b>	35.10	45.10	44.10	

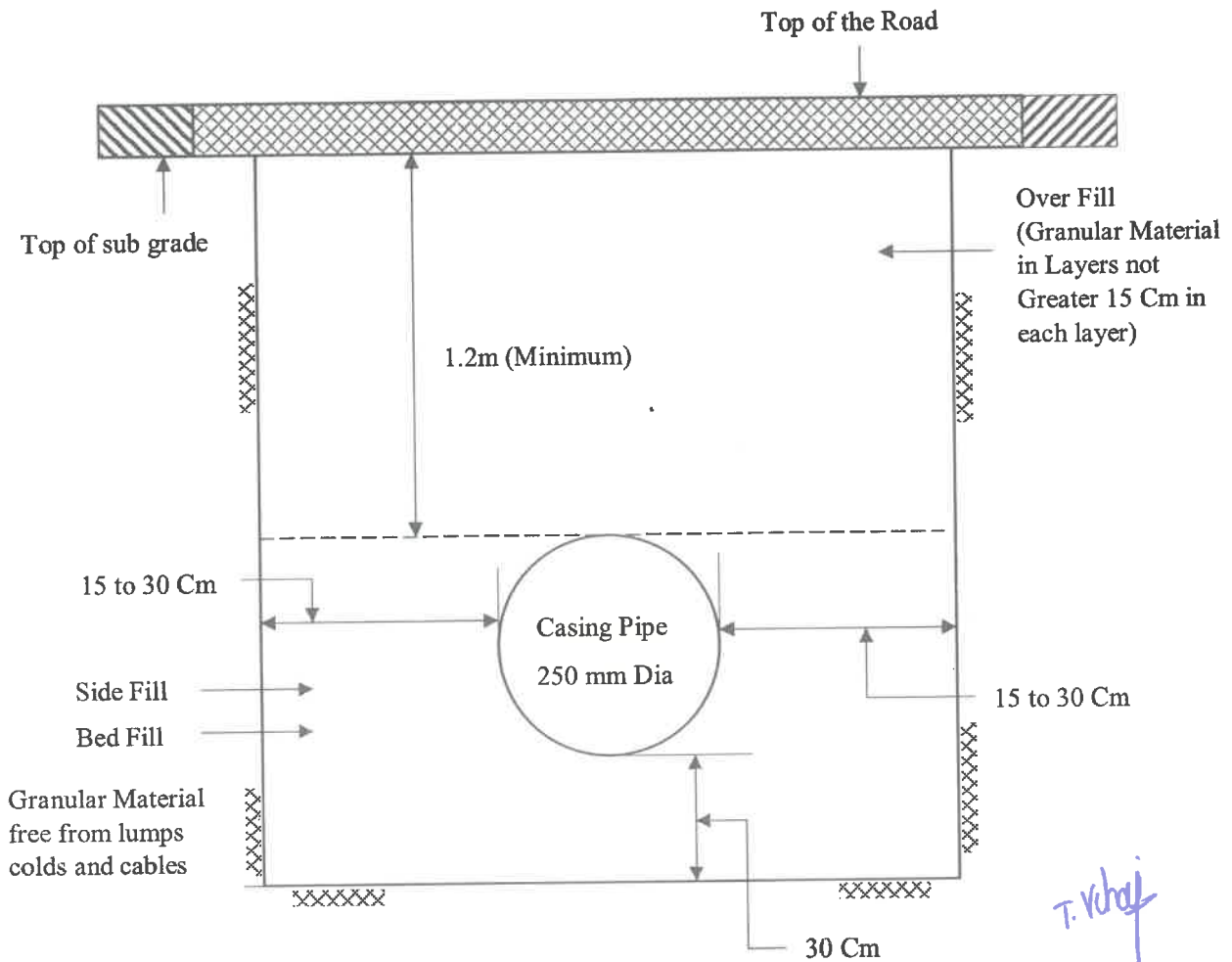
KM	CL TO BT(RHS)	CL TO BOUNDARY(RHS)	CL TO PROPOSED	Remarks
	RHS	RHS	RHS	
IV Reach				
211/750	11.50	30.00	29.00	
211/800	13.30	30.00	29.00	
211/820	16.50	30.00	29.00	Service Road, Bus stop Road crossing@Km212/384
212/000	22.50	40.50	39.50	
212/200	35.50	54.50	53.50	
212/384	52.30	66.10	65.10	
V Reach				
177/700	20.40	35.00	33.00	Service Road, Bus
177/800	20.40	35.00	33.00	
178/000	20.40	35.00	33.00	
178/100	20.40	35.00	33.00	

  
**Assistant Engineer**  
**TWAD Board**  
**Maintenance Sub Division**  
**Nanguneri.**

  
**Assistant Executive Engineer**  
**TWAD, Maintenance Sub Division,**  
**Nanguneri.**

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

## INSTALLATION OF CASING PIPE FOR ACROSS THE ROAD



T. V. Raj

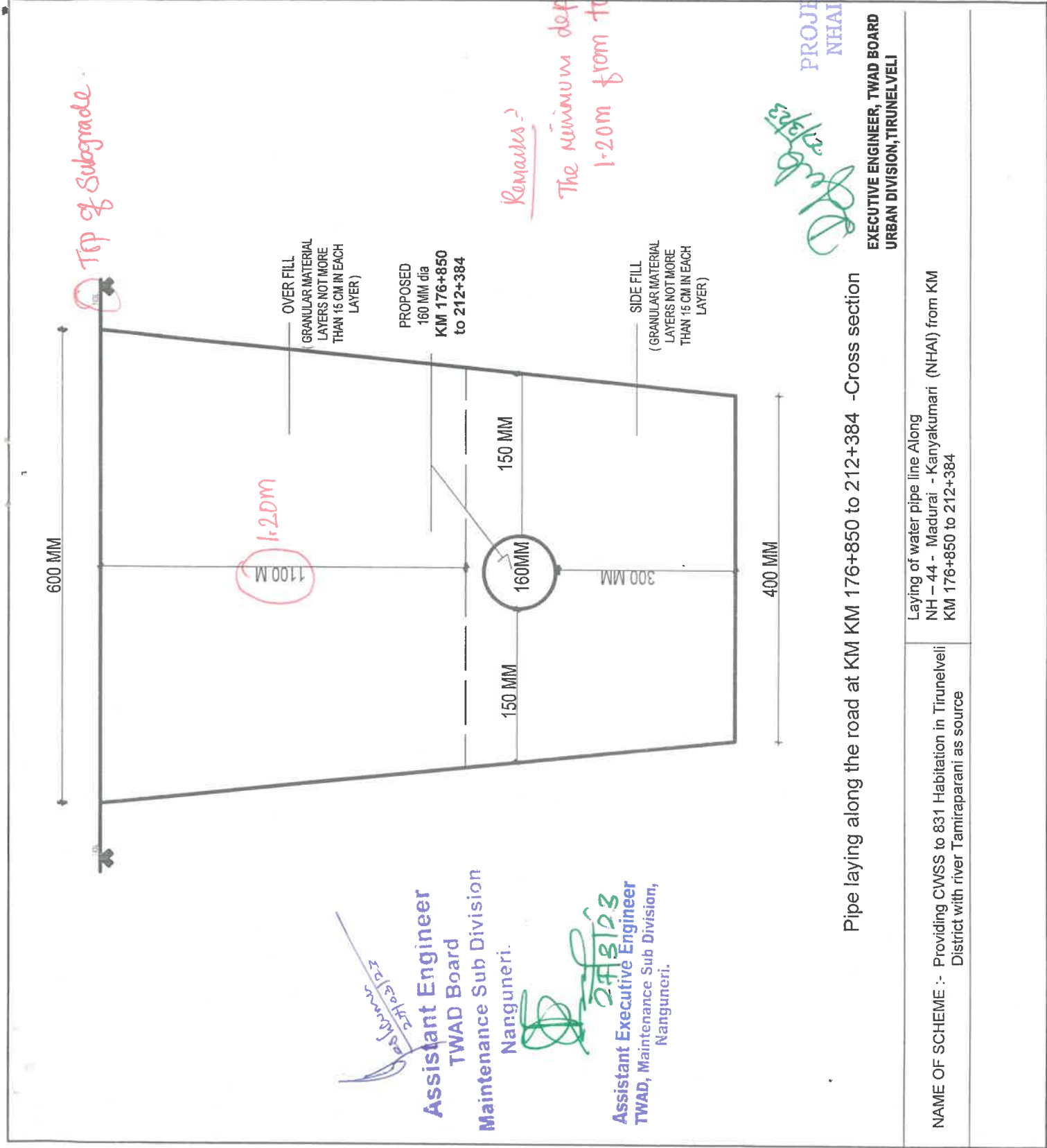
PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

*Geshwari*  
15/02/23  
ASSISTANT ENGINEER  
TWAD BOARD  
MAINTENANCE SECTION  
NANGUNERI

*[Signature]*  
18/3/23  
ASSISTANT EXECUTIVE ENGINEER  
TWAD BOARD  
MAINTENANCE SUB DIVISION  
NANGUNERI

*[Signature]*  
18/3/23  
Executive Engineer, TWAD Board,  
Urban Division, Tirunelveli.

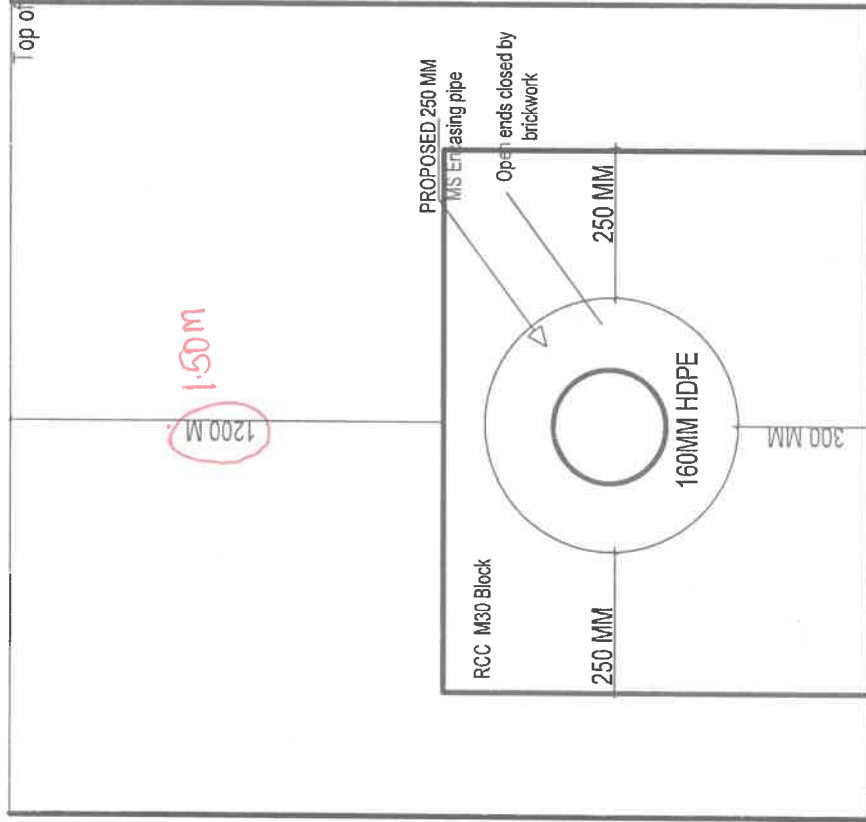
<p>Crossing at KM 181+990, 184+450, 186+900 &amp; 212+384 by Trenchless technology-Cross section</p>	
<p><b>Assistant Engineer</b> TWAD Board</p> <p><i>[Signature]</i> 27/12/23</p>	<p><b>Assistant Executive Engineer</b> TWAD, Maintenance Sub Division, Nanguneri</p> <p><i>[Signature]</i> 27/12/23</p>
<p><b>NAME OF SCHEME:</b> Providing CWSS to 831 Habitation in Tirunelveli District with river Tamiraparani as source Nanguneri.</p>	<p><b>EXECUTIVE ENGINEER, TWAD BOARD</b> URBAN DIVISION, TIRUNELVELI</p> <p><i>[Signature]</i> 27/12/23</p>
<p>Laying of water pipe line Along NH - 44 - Madurai - Kanyakumari (NHA) from KM 176+850 to 212+384</p>	
<p><b>PROJECT DIRECTOR</b> NHAI, PIU, Nagercoil</p>	





Top of the Road

Top of the Sub Grade



**Assistant Engineer**  
TWAD Board  
Maintenance Sub Division  
Nanguneri.

**Assistant Executive Engineer**  
TWAD, Maintenance Sub Division,  
Nanguneri.

The minimum depth should be 1.50m from top of subgrade

S. Subramanian

T. 10/10/2020

10/10/2020

PROJECT DIRECTOR  
NHAI, PIU, Nagercoil

Crossing at KM 181+990, 184+450, 186+900 & 212+384 by  
Trenchless technology-Cross section

EXECUTIVE ENGINEER, TWAD BOARD  
URBAN DIVISION, TIRUNELVELI

NAME OF SCHEME :- Providing CWSS to 831 Habitation in Tirunelveli  
District with river Tamiraparani as source

Laying of water pipe line Along  
NH - 44 - Madurai - Kanyakumari (NHAI) from KM 176+850 to 212+384



பதிவுத்துறை  
REGISTRATION DEPARTMENT

தமிழக அரசு  
TAMIL NADU



For  
Complaints  
and  
Clarifications,  
please  
contact:  
**9498452110**  
/  
**9498452120**  
/  
**9498452130**  
(Monday to  
Friday 10 AM to  
5.45 PM,  
excluding  
Government  
holidays)

For  
queries  
related to  
software,  
please  
contact:  
**1800 102**  
**5174**  
(Monday to  
Friday 8 AM  
to 8 PM,  
Saturday 10  
AM to 5 PM  
excluding  
Government  
holidays)



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<b>Zone:</b>	Thirunelveli
<b>Sub Registrar Office:</b>	Moolakaraipatti
<b>Revenue Village:</b>	Thottakudi
<b>Survey Number:</b>	65/1
<b>Guideline Value:</b>	70497/ Acre

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உரை மறுஅளவாக்கம்

- + மீட்டமைக்க

திரை வாசகர்



பதிவுத்துறை  
REGISTRATION DEPARTMENT

UPHARAJA THIRUJAGAL ANDHRA PRADHYA  
TAMIL NADU



பதிவுத்துறை  
தொடர்பான  
புகார்கள் மற்றும்  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**9498452110 /**  
**9498452120 /**  
**9498452130**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை  
10 மணி முதல்  
மாலை 5.45 மணி  
வரை தொடர்பு  
கொள்ளலாம்)

மென்பொருள்  
தொடர்பான  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**1800 102 5174**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை 8 மணி முதல்  
மாலை 8 மணி  
வரை, சனிக்கிழமை  
காலை 10 மணி  
முதல் மாலை 5 மணி  
வரை தொடர்பு  
கொள்ளலாம்)



இந்த இணையதளம் மூலம் வழங்கப்படும் தகவல்கள் மேம்படுத்தப்பட்டுள்ளது. ஆன்லைனில் வழங்கப்படும்  
சேவைகளை பெற அலுவலகத்திற்கு நேரில் வருகை தர அவசியமில்லை.

முகப்புப் பக்கம் பதிவுத்துறை பதிவு செய்தல் மின்னணு சேவைகள் சுற்றறிக்கைகள்

வழிகாட்டி மதிப்பு வரைதளம் உதவி மேலும்

### நிலம் மற்றும் கட்டிட மதிப்பீடு

#### குறிப்பு:

இந்த இணையதளம் மூலம் கணக்கிடப்பட்ட சொத்து மதிப்பானது, தங்களால்  
அளிக்கப்பட்ட விவரங்களின் அடிப்படையில் அமைந்துள்ளது. இது கட்டிடத்தின்  
"இறுதியான மதிப்பு" என்பதை மேற்கோள்காட்டும் அதிகாரம் உடையதல்ல. சொத்தின்  
சரியான மதிப்பினைக் கணக்கிட மேலும் கூடுதல் விவரங்கள்  
தேவைப்படுகிறது. இதில் கையாளப்பட்ட விலைவிகிதம் சாதாரண குடியிருப்பு  
வீடுகளுக்காக உள்ளது. சிறப்பு வகை மற்றும் தொழிற்சாலைக் கட்டிடங்களின் மதிப்பு,  
சம்மந்தப்பட்ட அலுவலர்களின் கட்டிடத்தின் ஆய்வுப்படி நிர்ணயிக்கப்படும்.

மண்டலம்:	திருநெல்வேலி
சார்பதிவாளர் அலுவலகம்:	நாங்குனேரி
வருவாய் கிராமம்:	பூலம் பாகம் 2
புல எண்:	525/3A
வழிகாட்டி மதிப்பு:	47/ சதுரடி

பொதுப்பணித்துறை விலை விகிதத்திற்கு இங்கே சொடுக்கவும்

மதிப்பை கணக்கிட இங்கே சொடுக்குக

இணைய வழி சேவைகள்

வில்லங்கச் சான்று

உரை மறுஅளவாக்கம் - + மீட்டமைக்க

திரை வாசகர்



**பதிவுத்துறை**  
**REGISTRATION DEPARTMENT**

UTHAYAPRA THIRUGAR ARADHA PRUTHIMA  
SIVA NADI



பதிவுத்துறை  
தொடர்பான  
புகார்கள் மற்றும்  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**9498452110 /**  
**9498452120 /**  
**9498452130**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை  
10 மணி முதல்  
மாலை 5.45 மணி  
வரை தொடர்பு  
கொள்ளலாம்)

மென்பொருள்  
தொடர்பான  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**1800 102 5174**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை 8 மணி முதல்  
மாலை 8 மணி  
வரை, சனிக்கிழமை  
காலை 10 மணி  
முதல் மாலை 5 மணி  
வரை தொடர்பு  
கொள்ளலாம்)



இந்த இணையதளம் மூலம் வழங்கப்படும் தகவல்கள் மேம்படுத்தப்பட்டுள்ளது. ஆன்லைனில் வழங்கப்படும்  
சேவைகளை பெற அலுவலகத்திற்கு நேரில் வருகை தர அவசியமில்லை.

முகப்புப் பக்கம் பதிவுத்துறை பதிவு செய்தல் மின்னணு சேவைகள் சுற்றறிக்கைகள்  
வழிகாட்டி மதிப்பு வரைதளம் உதவி மேலும்

### நிலம் மற்றும் கட்டிட மதிப்பீடு

#### குறிப்பு:

இந்த இணையதளம் மூலம் கணக்கிடப்பட்ட சொத்து மதிப்பானது, தங்களால்  
அளிக்கப்பட்ட விவரங்களின் அடிப்படையில் அமைந்துள்ளது. இது கட்டிடத்தின்  
"இறுதியான மதிப்பு" என்பதை மேற்கோள்காட்டும் அதிகாரம் உடையதல்ல. சொத்தின்  
சரியான மதிப்பினைக் கணக்கிட மேலும் கூடுதல் விவரங்கள்  
தேவைப்படுகிறது. இதில் கையாளப்பட்ட விலைவிகிதம் சாதாரண குடியிருப்பு  
வீடுகளுக்காக உள்ளது. சிறப்பு வகை மற்றும் தொழிற்சாலைக் கட்டிடங்களின் மதிப்பு,  
சம்மந்தப்பட்ட அலுவலர்களின் கட்டிடத்தின் ஆய்வுப்படி நிர்ணயிக்கப்படும்.

மண்டலம்:

திருநெல்வேலி

சார்பதிவாளர் அலுவலகம்:

நாங்குனேரி

வருவாய் கிராமம்:

கரந்தநேரி

புல எண்:

729/1

வழிகாட்டி மதிப்பு:

40/ சதுரடி

பொதுப்பணித்துறை விலை விகிதத்திற்கு இங்கே சொடுக்கவும்

மதிப்பை கணக்கிட இங்கே சொடுக்குக

இணைய வழி சேவைகள்

வில்லங்கச் சான்று

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3/18/23, 3:41 PM

Inspector General of Registration - Tamil Nadu

உரை மறுஅளவாக்கம்

-

+

மீட்டமைக்க

திரை வாசகர்



**பதிவுத்துறை**  
**REGISTRATION DEPARTMENT**

U/REGISTRAR THIRUVALE, ANANDHA PRAKASAM,  
TAMIL NADU



பதிவுத்துறை  
தொடர்பான  
புகார்கள் மற்றும்  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**9498452110 /**  
**9498452120 /**  
**9498452130**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை  
10 மணி முதல்  
மாலை 5.45 மணி  
வரை தொடர்பு  
கொள்ளலாம்)

மென்பொருள்  
தொடர்பான  
சந்தேகங்களுக்கு  
தொடர்பு  
கொள்ள:  
**1800 102 5174**  
(அரசு விடுமுறை  
நாட்கள் தவிர்த்து  
திங்கள் முதல்  
வெள்ளி வரை  
காலை 8 மணி முதல்  
மாலை 8 மணி  
வரை, சனிக்கிழமை  
காலை 10 மணி  
முதல் மாலை 5 மணி  
வரை தொடர்பு  
கொள்ளலாம்)



இந்த இணையதளம் மூலம் வழங்கப்படும் தகவல்கள் மேம்படுத்தப்பட்டுள்ளது. ஆன்லைனில் வழங்கப்படும்  
சேவைகளை பெற அலுவலகத்திற்கு நேரில் வருகை தர அவசியமில்லை.

முகப்புப் பக்கம் பதிவுத்துறை பதிவு செய்தல் மின்னணு சேவைகள் சுற்றறிக்கைகள்

வழிகாட்டி மதிப்பு வரைதளம் உதவி மேலும்

### நிலம் மற்றும் கட்டிட மதிப்பீடு

#### குறிப்பு:

இந்த இணையதளம் மூலம் கணக்கிடப்பட்ட சொத்து மதிப்பானது, தங்களால்  
அளிக்கப்பட்ட விவரங்களின் அடிப்படையில் அமைந்துள்ளது. இது கட்டிடத்தின்  
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சரியான மதிப்பினைக் கணக்கிட மேலும் கூடுதல் விவரங்கள்  
தேவைப்படுகிறது. இதில் கையாளப்பட்ட விலைவிகிதம் சாதாரண குடியிருப்பு  
வீடுகளுக்காக உள்ளது. சிறப்பு வகை மற்றும் தொழிற்சாலைக் கட்டிடங்களின் மதிப்பு,  
சம்மந்தப்பட்ட அலுவலர்களின் கட்டிடத்தின் ஆய்வுப்படி நிர்ணயிக்கப்படும்.

மண்டலம்:	திருநெல்வேலி
சார்பதிவாளர் அலுவலகம்:	நாங்குனேரி
வருவாய் கிராமம்:	மறுகால்குறிச்சி
புல எண்:	485/1F
வழிகாட்டி மதிப்பு:	49/ சதுரடி

பொதுப்பணித்துறை விலை விகிதத்திற்கு இங்கே சொடுக்கவும்

மதிப்பை கணக்கிட இங்கே சொடுக்குக

இணைய வழி சேவைகள்

வில்லங்கச் சான்று

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SUTHANPADA THIRUNELVELI ANANDHA PERIYAR  
TAMIL NADU



பதிவுத்துறை  
REGISTRATION DEPARTMENT



For  
Complaints  
and  
Clarifications,  
please  
contact:  
**9498452110**  
/  
**9498452120**  
/  
**9498452130**  
(Monday to  
Friday 10 AM to  
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Friday 8 AM  
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Government  
holidays)



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## LAND & BUILDING VALUATION

### Note:

The valuation of the property arrived through this website is only indicative based on the information furnished by you. This value cannot be cited as an authority for final determination of building value. Additional information are required to arrive at the exact value of the property. The rates adapted here are only for normal residential buildings whereas special types of buildings and factories are to be assessed after building inspection by the authorities concerned.

<b>Zone:</b>	Thirunelveli
<b>Sub Registrar Office:</b>	Panagudi
<b>Revenue Village:</b>	Panagudi Part I
<b>Survey Number:</b>	1258/1B
<b>Guideline Value:</b>	174200/ Acre

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**Permission For laying of Under Ground water supply pipe line long the road from Km 176/850 TO 180/350 (RHS), 177/700 TO 178/100 (LHS), 181/990 TO 184/450 (RHS), 186/900 TO 190/175 (RHS) and 211/750 TO 212/384 (RHS) at boundary of NH 44 (Madurai –Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District.**

Sub Register office: Pangudi, Nanguneri and Moolakaraipatti

**License Fee calculation**

Along the road from Km 176/850 TO 180/350 (RHS), 177/700 TO 178/100 (LHS), 181/990 TO 184/450 (RHS), 186/900 TO 190/175 (RHS) and 211/750 TO 212/384 (RHS) at boundary of NH 44 (Madurai –Kanyakumari road)

License Fee(Rs/Sq.m/Month) = (Utilized NH land Area x Prevailing Guideline Value)

Where Utilized NH land Area = Length x width of Earth work

License Fees (Rs/Sqm/Month) = Rs **25,107.04**

**License fee for public utility**

Chainage	Length in m	Width of earth work in meter	Area in Sq.m	Govt.Guideline value		Total value in Rs	License fee per month
				in sq.feet	in sq.m		
Km 176/850 TO 180/350 (RHS)	3500	0.60	2100	47.00	505.91	1062406.8	8853.39
Km 177/700 TO 178/100 (LHS)	400	0.60	240	1.62	17.42	4179.87648	34.83
Km 181/990 TO 184/450 (RHS)	2460	0.60	1476	40.00	430.56	635506.56	5295.89
Km 186/900 TO 190/175 (RHS)	3275	0.60	1965	49.00	527.44	1036411.74	8636.76
Km 211/750 TO 212/384 (RHS)	634	0.60	380.4	67.00	721.19	274339.9152	2286.17
<b>Ttotal</b>	<b>10269</b>		<b>6161.40</b>			<b>3012844.89</b>	<b>25107.04</b>

License fee for public utility per month (1/3) = Rs. **8369.01**

License fee for public utility 5 years ie, ( 8369.01 x 12 x 5 ) = Rs **502140.82**

  
18/02/23  
**ASSISTANT ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SECTION**  
**NANGUNERI**

  
18/3/23  
**ASSISTANT EXECUTIVE ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SUB DIVISION**  
**NANGUNERI**

  
18/3/23  
**Executive Engineer, TWAD Board,**  
**Urban Division, Tirunelveli.**

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The work of laying Under Ground water supply pipe line along the road from Km 176/850 TO 180/350 (RHS), 177/700 TO 178/100 (LHS), 181/990 TO 184/450 (RHS), 186/900 TO 190/175 (RHS) and 211/750 TO 212/384 (RHS) at boundary and across at Km 181/990, 184/450, 186/900, 212/384 of NH 44 (Madurai –Kanyakumari road) for CWSS to 831 Habitations in Tirunelveli District.


**BANK GUARANTEE AMOUNT CALCULATION**

Sl No	LS DETAILS	Pipe Size	Bank Guarantee Amount		
			Rate per metre	Length in m	Amount
	<b>LHS</b>				
1	177/700 TO 178/100	75mm HDPE	100	400	40000
	<b>RHS</b>				
2	176/850 TO 180/350	75 mm HDPE	100	3500	350000
3	181/990 TO 184/450	90 mm HDPE	100	2460	246000
4	186/900 TO 190/175	125 mm HDPE	100	3275	327500
5	211/750 TO 212/384	110mm HDPE	100	634	63400
	Total (A)			<b>10269</b>	<b>1026900</b>
Sl No	LS DETAILS	Pipe Size	No.of Crossing	Rate per Crossing	Amount
1	181/990	90 mm HDPE	1	100000	100000
2	184/450	90 mm HDPE	1	100000	100000
3	186/900	125 mm HDPE	1	100000	100000
4	212/384	110mm HDPE	1	100000	100000
	Total (B)		<b>4</b>		<b>400000</b>
	Total Amount (A) + (B)				<b>1426900</b>
	Centage Charges @ 23.5%				<b>335321.5</b>
	Grand Total				<b>1762221.50</b>
			Say Rs		<b>1762222.00</b>

(Rupees Seventeen Lakh Sixty two Thousand Two Hundred and Twenty two Only)

  
18/03/23  
**ASSISTANT ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SECTION**  
**NANGUNERI**

  
18/3/23  
**ASSISTANT EXECUTIVE ENGINEER**  
**TWAD BOARD**  
**MAINTENANCE SUB DIVISION**  
**NANGUNERI**

  
18/3/23  
**Executive Engineer, TWAD Board,**  
**Urban Division, Tirunelveli.**

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Sno	Application Ref. No	State/District/Highway	Application	Stage	Approvals	Add
			Category/items (Click on Category Name to Add/Edit Locations)		Accorded	
1	20230630/1/5/18605/2991 [New]	TAMIL NADU TIRUNELVELI NH7A [NH7A]	<ul style="list-style-type: none"> <li>Public Utility [Pipes]</li> <li>Details</li> <li>Fee</li> </ul>	Application Submitted on 30/06/2023	-	
2	20230608/1/5/18605/2889 [New]	TAMIL NADU TIRUNELVELI NH7A [NH7A]	<ul style="list-style-type: none"> <li>Public Utility [Pipes]</li> <li>Details</li> <li>Fee</li> </ul>	Application Submitted on 13/06/2023	-	
3	20230420/1/7/18605/2640 [New]	TAMIL NADU TIRUNELVELI NH44 [NH44]	<ul style="list-style-type: none"> <li>Public Utility [Water]</li> <li>Details</li> <li>Fee</li> <li>Technical Approval</li> <li>Under Process</li> </ul>	Under Processing	-	
4	20230418/1/7/18605/2625 [New]	TAMIL NADU TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI, TIRUNELVELI NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44], NH44 [NH44]	<ul style="list-style-type: none"> <li>Public Utility [Water]</li> <li>Details</li> <li>Fee</li> <li>Technical Approval</li> <li>Under Process</li> </ul>	Under Processing	-	
5	20230324/1/7/18605/2374 [New]	TAMIL NADU TIRUNELVELI NH44 [NH44]	<ul style="list-style-type: none"> <li>Public Utility [Water]</li> <li>Details</li> <li>Fee</li> </ul>	Application Submitted on 11/07/2023	-	
6	20230323/1/7/18605/2366 [New]	TAMIL NADU TIRUNELVELI	<ul style="list-style-type: none"> <li>Public Utility [Water]</li> </ul>	Application Submitted	-	