



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, माट्टुतावनी, मदुरै-625 107

2nd & 3rd 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/15018/4.1/20/2023/RO Madurai/E:220294/1671

11th September, 2023

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, मदुरै - Tolling, Operation, Maintenance & Transfer of Madurai - Kanyakumari section from Km. 0.000 to Km. 243.170 of NH-7 in the State of Tamil Nadu - Proposal submitted Permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu- Invitation of Public Comments - Reg.

प्रसंग:PD,Madurai-Lr.No-NHAI/PIU/MDU/NH-44/Utility/NOC/JJM/2023/2412 dt.04.09.2023.

The proposal received from PD, Madurai vide Lr.No. NHAI/PIU/MDU/NH-44/Utility/NOC/JJM/2023/2412 dt.04.09.2023 there by requesting permission for laying of water pipe line along the road from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) as per proposal submitted by Executive Engineer, TWAD Board, Project Division, Virudhunagar.

महेश मोहन

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
11/09/23

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, Madurai- for information.



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

उप महाप्रबंधक (तकनीकी) सह परियोजना निदेशक के कार्यालय

परियोजना कार्यान्वयन इकाई

Office of the Deputy General Manager (Tech) cum Project Director
Project Implementation Unit

प्लॉट नंबर : 3, सूर्या टवर्स, दूसरी मंज़िल, पूर्व पहले स्ट्रीट, के.के. नगर, मदुरै - 625 020, तमिलनाडु.

Plot No: 3, Surya Towers, 2nd Floor, 1st East Street, K.K.Nagar, Madurai - 625 020, Tamilnadu.



दुरभाष / Phone : +91 452 2587750

वेबसाइट / Website : <http://www.nhai.org>

E-mail : nhai_madurai_piu@yahoo.co.in
mad@nhai.org

Ref: NHAI/PIU/MDU/NH-44/Utility/NOC/JJM/2023/ 2412

Date: 04.09.2023

To

The Regional Officer,
National Highways Authority of India,
Madurai

Sir,

Sub: NHAI - PIU, Madurai - Tolling, Operation, Maintenance & Transfer of Madurai - Kanyakumari section from Km. 0.000 to Km. 243.170 of NH-7 in the State of Tamil Nadu - Proposal submitted Permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu - Proposal Submitted - Approval Requested - Reg

Ref: 1. IE, Lr.No.Bloom/SC/Madurai-Kanyakumari/NH-44/MDU/2023/153 Dt:29.08.2023
2. This Office Lr.No.NHAI/MDU/PIU/NH-7/Utility/JJM/2023/2272 Dt:21.08.2023
3. The Executive Engineer, TWAD Board, Project Division, Virudhunagar Lr.No.188/F.1331 CWSS/EE/PROJ/VNR/2023 Dt:18.08.2023(Received On:21.08.2023)

Vide ref.3rd Cited, the proposal has been received from the Executive Engineer, TWAD Board, Project Division, Virudhunagar regarding seeking permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu. Vide reference 2nd cited, the proposal has been forwarded to IE, Bloom Companies LLC, Tirunelveli for verification of the above proposal.

2. Vide ref 1st cited, the IE, Bloom Companies LLC, Tirunelveli has recommended the proposal of the applicant requesting permission for laying of Water Pipeline in NHAI ROW along the road at the following locations.

Page 1 of 6

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1. Km.50+500 to Km.57+800 (RHS) = 7300 m
 2. Km.53+800 to Km.54+800 (RHS) = 1000 m
 3. Km.57+300 to Km.60+400 (LHS) = 3100 m
 4. Km.57+800 to Km.71+300(LHS) = 13500 m
 5. Km.69+000 to Km.71+700(RHS) = 2700 m
 6. Km.71+400 to Km.75+800(LHS) = 4400 m
 7. Km.75+800 to Km.77+000 (RHS)= 1200 m
 8. Km.79+200 to Km.81+200(RHS) = 2000 m
 9. Km.80+700 to Km.81+200 (LHS) = 500 m
 10. Km.81+200 to Km.89+300(LHS) = 8100 m
- Total** **= 43.800 Km**

Across the Road:

Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300

3. Also, the proposal is examined as per Ministry's Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and found to be in order.
4. In this regard, the above proposal is hereby recommended with the following conditions,
 - The entire pipeline laying works should be as per the approved layout drawings.
 - The laying of pipe line along the road should be at the depth of minimum 0.6m.
 - No digging of MCW/SR/AVENUE road should be allowed.
 - No damage to the existing highway, road furniture's and other existing utilities. If any damages occurred to the Highway properties, the applicant shall restore at their own risk and cost.
 - Free flow of traffic should be maintained while carrying out the work.
 - Proper safety precautionary measures should be made available at site till the completion of work.
 - The approved drawings, methodology for the above work should be strictly followed by the applicant.
 - In case of any defects found, the bank guarantee will be forfeited & appropriate action shall be taken.
 - During the execution of work, utmost care should be taken and not to cause any damages to the road properties such as existing utilities (EB Lines, Water Line, OFC

etc.,) drains, service roads, shoulders, sign boards etc.,

- Shifting of such water pipe line shall be done by the Concern department with their own risk and cost as and when required by the NHAI for any improvement works.
- Excavation work shall be carried out as per the instructions of concerned NHAI Representatives.
- While Carrying work the Existing Avenue Plantation should be protected. If any damages occurred applicant should be restored 1: 10 ratio of Plantation at their own cost.
- During rainy season, extra care shall be taken to the excavated portions.
- Necessary sign boards have to be provided in the working zone areas.
- All the construction work should be carried out as per MORT&H specification and IRC/IS guidelines.

5. The proposed laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) at the depth of 0.6m from top of original ground level by open trench method and across the road at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 at the depth of 1.5m from top of sub grade by HDD method. The width of the Project Highway (ROW) at the above location is 60m. The other conditions stipulated in the new circular of Ministry also have also been included in the undertaking. The restoration charges & license fee worked out as follows:

Restoration Charges:

Cost of Restoration Charges Along the Road < 300mm dia of pipe @ Rs. 100/- per meter (26900 m x Rs. 100/-)	26,90,000
Cost of Restoration Charges Along the Road > 300mm to 1000mm dia of pipe @ Rs. 250/- per meter (17000 m x Rs. 250/-)	42,50,000
Cost of Restoration Charges @ Rs. 1 Lakh per crossing (10 Nos.)	10,00,000
Total	79,40,000
Total cost of restoration charges – Rs.79,40,000/-	

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License Fee:

Sl No	Description	Length in m	Width in m	Area occupied in Sqm	Guideline Value (Rs.) per Sqm	License Fees (Rs / sqm)
Along the Road						
1	Sivaganapuram - Village Km.50+500 to Km51+800 (RHS)	1300	0.090	117.00	494.20	57821.40
2	Pavali - Village Km.51+800 to Km 53+300 (RHS)	1500	0.225	337.50	222.50	75093.75
3	Kuraikundu - Village Km.53+300 to Km.54+800 (RHS),	1500	0.225	337.50	444.80	150120.00
4	Kuraikundu - Village Km 53+800 to Km 54+800 (RHS),	1000	0.315	315.00	444.80	140112.00
5	Kuraikundu - Village Km 54+800 to Km 57+400 (RHS)	2600	0.250	650.00	444.80	289120.00
6	Maruluthu- Village Km.57+400 to Km 57+800 (RHS)	400	0.250	100.00	395.40	39540.00
7	Maruluthu- Village Km.57+300 to Km 60+400 (LHS)	3100	0.110	341.00	395.40	134831.40
8	Maruluthu- Village Km.57+800 to Km 60+600 (LHS)	2800	0.250	700.00	395.40	276780.00
9	Pattampudhur - Village Km.60+600 to Km.62+600 (LHS)	2000	0.250	500.00	247.10	123550.00
10	Vachakarapatti - Village Km.62+600 to Km.65+500 (LHS)	2900	0.250	725.00	296.55	214998.75
11	Thulukkappatti - Village Km.65+500 to Km.69+900 (LHS)	4400	0.250	1100.00	370.65	407715.00
12	Thulukkappatti - Village Km.69+000 to Km.69+900 (RHS)	900	0.063	56.70	370.65	21015.86
13	E.Kumaralingapuram - Village Km.69+900 to Km.71+400 (RHS)	1500	0.063	94.50	296.55	28023.98
14	E.Kumaralingapuram - Village Km.71+300 to Km.71+400 (RHS)	100	0.250	25.00	296.55	7413.75
15	E.Kumaralingapuram - Village Km.71+400 to Km.71+700 (RHS)	300	0.450	135.00	296.55	40034.25
16	E.Kumaralingapuram - Village Km.69+900 to Km.71+300 (LHS)	1400	0.250	350.00	296.55	103792.50
17	E.Kumaralingapuram - Village Km.71+400 to Km.72+400 (LHS)	1000	0.500	500.00	296.55	148275.00



18	E.Muthulingapuram - Village Km.72+400 to Km.75+600 (LHS)	3200	0.500	1600.00	296.55	474480.00
19	Padanthal - Village Km.75+600 to Km.75+800 (LHS)	200	0.500	100.00	370.65	37065.00
20	Padanthal - Village Km.75+800 to Km.77+000 (RHS)	1200	0.500	600.00	370.65	222390.00
21	Chatrapatti - Village Km.79+200 to Km.81+200 (RHS)	2000	0.500	1000.00	395.40	395400.00
22	Chatrapatti - Village Km.80+700 to Km.81+200 (LHS),	500	0.160	80.00	395.40	31632.00
23	Chatrapatti - Village Km 81+200 to Km 82+600 (LHS)	1400	0.500	700.00	395.40	276780.00
24	Pethureddiapatti - Village Km.82+600 to Km.89+300 (LHS)	6700	0.500	3350.00	247.10	827785.00
Across the road						
25	Kuraikundu - Village @ Km 53+800	60	0.700	42.00	444.80	18681.60
26	Maruluthu- Village @Km.57+800	60	0.500	30.00	395.40	11862.00
27	Maruluthu- Village @Km.60+400	60	0.400	24.00	395.40	9489.60
28	Thulukkapatti – Village@Km.66+800	60	0.250	15.00	370.65	5559.75
29	E.Kumaralingapuram - Village @ Km. 71+300	60	0.500	30.00	296.55	8896.50
30	E.Kumaralingapuram - Village @Km.71+400	60	0.900	54.00	296.55	16013.70
31	E.Kumaralingapuram - Village @Km.71+700	60	0.900	54.00	296.55	16013.70
32	Padanthal - Village @ Km.75+800	60	0.900	54.00	370.65	20015.10
33	Chatrapatti - Village @Km.81+200	60	1.000	60.00	395.40	23724.00
34	Pethureddiapatti - Village @Km.89+300	60	0.900	54.00	247.10	13343.40
	Sub Total	44500		14231.20		4667368.98
License fees for utilities shall be 1.5% of total amount for utility						70010.53
Total License fee /Annum say Rs.70,010.53/-						
License fee for Public utility for 1st year						Rs.70010.53
License fee for Public utility for 2nd year						Rs.74211.17
License fee for Public utility for 3rd year						Rs.78663.84
License fee for Public utility for 4th year						Rs.83383.67
License fee for Public utility for 5th year						Rs.88386.69
Total License fee Value for 5 Years= Rs.						Rs.394655.89

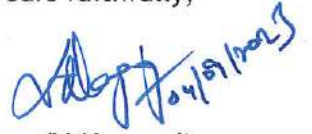
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TOTAL LICENSE FEE FOR 5 YEARS (60 MONTHS) = Rs.3,94,656/- (Rupees Three Lakh Ninety Four Thousand Six Hundred and Fifty Six only).

Subject to the above, the proposal of the Executive Engineer, TWAD Board, , Project Division, Virudhunagar regarding seeking permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu as detailed above may be favourably considered and In-Principle approval may kindly be accorded.

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

Yours faithfully,



(V.Nagaraj)

DGM(T)&Project Director
PIU - Madurai

Copy to :

1. The Executive Engineer, TWAD Board, Project Division, Virudhunagar - For information.



BLOOM
COMPANIES, LLC
Infrastructure Innovation and Ingenuity

Bloom/SC/Madurai-Kanyakumari/NH-44/MDU/2023/153

To,
The Project Director,
National Highways Authority of India
Plot No.3, Surya Towers 2nd Floor,
1st East Street, K.K.Nagar,
Madurai -625 020.

NHAI PIU MADURAI	
IN: No :	4713
DATE :	29/8/23
PD	✓
DM(T)	✓
LO	
SE	✓

Date: 29.08.2023

Sub: Supervision Consultant (SC) Services for Operation & Maintenance of 4 laning of Madurai - Kanyakumari Section from Km 0/000 to Km 243/170 of NH-7 (New NH.44) and Tuticorin - Tirunelveli Section from Km 0/000 to km 47/250 of NH-7A (New NH.138) in the State of Tamil Nadu-**Proposal submitted Permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200 (RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44 (Old NH-7) in the State of Tamil Nadu - Revised Proposal Submitted-Remarks requested - Reg.**

Ref: 1. NHAI/PIU/MDU/NH-7/Utility/IJM/2023/2272 dated: 21.08.2023

2. The Executive Engineer, TWAD Board, Project Division, Virudhunagar Lr.No. 188/F.1331 CWSS/EE/PROJ/VNR/2023, dated.18.08.2023

With reference to the above letter cited, the Executive Engineer ,TWAD Board, Project Division, Virudhunagar has requested the permission for laying of Water pipe line at the above mentioned locations in Madurai - Kanyakumari section of NH-44.

In this Context, we have inspected the said locations along with the representatives of TWAD Board, and the proposal has been scrutinized with the policy guidelines of NHAI and our observations are as follows,

1. The requested water pipe line along the road from

- Km.50+500 to Km.57+800 (RHS) = 7300 m
- Km.53+800 to Km.54+800 (RHS) = 1000 m
- Km.57+300 to Km.60+400 (LHS) = 3100 m
- Km.57+800 to Km.71+300(LHS) = 13500 m
- Km.69+000 to Km.71+700(RHS) = 2700 m
- Km.71+400 to Km.75+800(LHS) = 4400 m
- Km.75+800 to Km.77+000 (RHS) = 1200 m
- Km.79+200 to Km.81+200 (RHS) = 2000 m
- Km.80+700 to Km.81+200 (LHS) = 500 m
- Km.81+200 to Km.89+300(LHS) = 8100 m

On NH-44 by trench method for a Total length of 43800m respectively.

2. The water pipe line laying across the road at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 by HDD method.

Corporate Office India: 1105 B&C Well done Tech Park Sect. 48 Sohna Road Gurgaon H.R.-122018 **Phone-**0124-4292105

Site Office: Plot no153, No375, Teachers Colony, 3rd Main road, Ariyakulam, Tirunelveli-627011, Tamil Nadu,

Website: www.bloomcos.com **E-Mail:** tirunelvelioffice@bloom-india.com **CIN:** F04568

3. The above proposal is complying all as per the NHAI Policy Guidelines and norms. Therefore, the submitted proposal may be considered with the following conditions,

- All the water pipe line laying works should be as per the approved layout drawings.
- The laying of water pipe line across the road in Main carriage way, Service road and side road should be done in HDD (Trenchless) method at a depth of minimum 1.6 m from the top of sub grade layer.
- The laying of pipe line along the road should be at a depth of minimum 1.6m.
- The laying of water pipe line along the road should be at the extreme edge of the ROW.
- No digging of MCW/SR/AVENUE road should be allowed.
- No damage to the existing highway, road furniture's and other existing Utilities. If any damages occurred to the Highway properties, the Concerned Department should restore at their own risk and cost.
- Free flow of traffic should be maintained while carrying out the work.
- Proper safety precautionary measures should be made available at site till the completion of work.
- Necessary sign boards should be made available at work zone locations.
- The approved drawings, methodology for the above work should be strictly followed by the applicant.
- During rainy season extra care should be taken to the excavated portions.
- During the excavation, there should not be any damages to the road properties such as existing utilities like water pipe lines, OFC lines and EB lines etc., road drains, avenue plantations earthen shoulder portions MCW/SR and road signs etc.,
- In case of improper restoration after laying, the bank guarantee will be forfeited and appropriate action should be taken.
- Excavation for laying work should be carried out as per the instructions and presence of concerned NHAI representatives/ Independent Engineer/ Concessionaire.

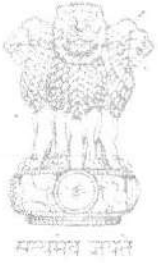
This is for your kind information and further action.

Yours faithfully,


29/08/23
(T. Anand Raj)
Acting Team Leader,
Bloom Companies LLC,



Copy to: The Independent Engineer, Bloom Companies LLC, Gurgaon – for kind information.



०८
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)

उप महाप्रबंधक (तकनीकी) सह परियोजना निदेशक के कार्यालय
परियोजना कार्यान्वयन इकाई

Office of the Deputy General Manager (Tech) cum Project Director
Project Implementation Unit

प्लॉट नंबर : 3, सूर्या टॉवर, दूसरी मंजिल, पूर्व पहले स्ट्रीट, के.के. नगर, मदुरै - 625 020, तमिलनाडु.

Plot No: 3, Surya Towers, 2nd Floor, 1st East Street, K.K.Nagar, Madurai - 625 020, Tamilnadu.



दुरभाष / Phone : +91 452 2587750
वेबसाइट / Website : <http://www.nhai.org>
E-mail : nhai_madurai_piu@yahoo.co.in
mad@nhai.org

Ref: NHAI/PIU/MDU/NH-7/Utility/JJM/2023 / 2272

Date: 21.08.2023

To

The Acting Team Leader,
M/s. Bloom Companies LLC,
Tirunelveli

Sir,

Sub: NHAI - PIU, Madurai - Operation and Maintenance of Madurai - Kanyakumari section from Km. 0.000 to Km. 243.170 of NH-7 in the State of Tamil Nadu - Proposal submitted Permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu - Revised Proposal Submitted-Remarks requested - Reg.

Ref: 1.The Executive Engineer, TWAD Board, Project Division, Virudhunagar Lr.No.188/F.1331 CWSS/EE/PROJ/VNR/2023 Dt:18.08.2023(Received On:21.08.2023)

Please find enclosed herewith the proposal received from the Executive Engineer, TWAD Board, Project Division, Virudhunagar regarding Permission for laying of Water Pipe line from Km.50+500 to Km.57+800 (RHS), Km.53+800 to Km.54+800 (RHS), Km.57+300 to Km.60+400 (LHS), Km.57+800 to Km.71+300(LHS), Km.69+000 to Km.71+700(RHS), Km.71+400 to Km.75+800(LHS), Km.75+800 to Km.77+000 (RHS), Km.79+200 to Km.81+200(RHS), Km.80+700 to Km.81+200 (LHS), Km.81+200 to Km.89+300(LHS) and across at Km.53+800, Km.57+800, Km.60+400, Km.66+800, Km.71+300, Km.71+400, Km.71+700, Km.75+800, Km.81+200 & Km.89+300 of Madurai - Kanyakumari section of NH-44(Old NH-7) in the State of Tamil Nadu.

In this regard, it is requested to verify the proposal at site and submit the detailed report for taking further necessary action.

Encl: As above

Yours faithfully,

(Signature)
(V.Nagaraj)

DGM(T)&Project Director
NHAI-PIU, Madurai

Copy to: 1. The Executive Engineer, TWAD Board, Project Division, Virudhunagar

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

From
D.Kennedy, BE., MBA.,
Executive Engineer,
TWAD Board, Project division,
T.K.S.P. Nagar,
Virudhunagar.
Email-eerwsvnr@gmail.com

To
The Project Director,
National Highway Authority of India
Madurai.

NHAI PIU MADURAI	
IN.No :	4497
DATE :	21/8/23
PD	on
DM(T)	/
LO	
SE	mb

Lr. No . 188/F.1331 CWSS/EE/PROJ/VNR/2023/Dt.18.08.2023

Sir,

Sub: JJM- CWSS to 1286 rural habitation in Virudhunagar and Thoothukudi districts - Laying of pipeline NH- 44 Madurai to Kanniyakumari (NHAI) from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 permission Requested - Reg.

Ref: 1.G.O.(Ms) No.157 / MA & WS (WSI) / Dt.28.10.2022, Rs.1387.73 Crores.
2. T.O / Lr.No.124 / F.1331 CWSS / EE / PROJ / VNR / 2023 / D t. 12.04.2023.
3. NHAI / PIU / MDU / NH-7 / Utility / JJM / 2023 / 2167/ Dt. 12. 08.2023.

I am to state that for providing Combined water supply scheme to 1286 rural habitations in 11 Panchayat unions in Virudhunagar district and 45 habitations in 2 Panchayat unions in Thoothukudi district with river Tamirabarani as source was sanctioned under **Jal Jeevan Mission** vide GO cited in the ref 1.

The proposal for Laying of Water pipe line along NH- 44 Madurai to Kanniyakumari (NHAI) from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to

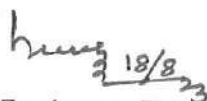
77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 under the above scheme was sent vide ref 2. Cited and the same was returned vide ref 3. with some observations.

Now I herewith resend the proposal after attending the observations mentioned as follows.

1. The pipeline laying chainages as per the site actual is mentioned in the proposed water pipe line alignment plan.
2. For the proposed crossings across NH portion the gap between the encasing pipe and water carrier pipe, sealing arrangements are specified in the drawings furnished.
3. The crossing pipe length is marked up to ROW edge.
4. The road embankment cross section showing the LS of pipe line is furnished in the drawing.
5. The Methodology for exaction and Re-compaction of trench portion are furnished in the Drawing.
6. Key plan / alignment plan showing the alignment of pipe line (Main line in red colour and branches in other colours) along the highway with respect to chainages of highways is furnished.
7. The Guide line value of the 11 revenue villages with the pipeline laying survey numbers for calculation of License fees estimate is enclosed.
8. Indemnity against all damages and claims is enclosed.

I request that necessary early permission for the proposal may kindly be got from the competent authority, to achieve the mission of providing water supply to each household in the rural habitations in Virudhunagar and Thoothukudi districts through Jal Jeevan Mission by 2024.

- Encl :** 1) Proposal documents and Plan corrected - 5 Copies.
2) Guideline Value 12 Nos. - 5 Set
3) License fees calculation estimate - 5 Set


Executive Engineer, TWAD Board,
Project division, Virudhunagar.

TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD



Laying of water pipe line along the road from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

APPLICANT:
EXECUTIVE ENGINEER
TWAD BOARD,
PROJECT DIVISION,
VIRUDHUNAGAR.

THE PROJECT DIRECTOR
NATIONAL HIGHWAY AUTHORITY OF INDIA
MADURAI

Check list for getting approval for laying of Water Supply Pipe Line on NH Land

Sl. No.	Item	Information / Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Name: TWAD Board, Project Division, Virudhunagar. Address: Twad Board, Project Division, 120/12, T.K.S.P Nagar, K.R Garden, Virudhunagar - 626001. Ph.no - 9443581890 , Email id - eerwsvnr@gmail.com	
1.2	National Highway Number	NH 44	
1.3	State	Tamil Nadu	
1.4	Location	Madurai - Kanniyakumari Road	
1.5	Chainage in Km	RHS - Km 50+500 to 57+800 RHS - Km 53+800 to 54+800 LHS - Km 57+300 to 60+400 LHS - Km 57+800 to 71+300 RHS - Km 69+000 to 71+700 LHS - Km 71+400 to 75+800 RHS - Km 75+800 to 77+000 RHS - Km 79+200 to 81+200 LHS - Km 80+700 to 81+200 LHS - Km 81+200 to 89+300.	
1.6	Length in Meters	43900.00m	
1.7	Width of available ROW	60.00m	
	(a) Left side from center line towards increasing chainage/km direction	30.00 m	
	(b) Right side from center line towards increasing chainage/km direction	30.00m	
1.8	Proposal to lay underground electrical tube	N/A	
1.9	Proposal to acquire land		
	(a) Left side from center line	0	
	(b) Right side from center line	0	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	N/A	
1.11	Details of already laid services, if any, along the proposed route	N/A	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes	4 Lane	

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18/8/20
Assistant Executive Engineer
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur

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18/8/20
Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

Aditya
DGM (T) & PD
National Highways Authority of India
Madurai

Sl. No.	Item	Information / Status	Remarks
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	LHS	
	(b) Right side from center line	RHS	
1.15	Proposed Service road		
	(a) Left side from center line	30	
	(b) Right side from center line	30	
1.16	Whether proposal to lay Water Supply Pipe line is after the service road or between the service road and main carriageway	After the service road	
1.17	The permission for laying for Water Supply Pipe Line shall be considered for approval/rejection based on the Minisry Circulars mentioned as above. (a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as Furnes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water. (b) Carrying of water pipe lines on bridges shall also be discouraged. However, if the weater 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 positions of piers and abutments in such a manner that in the final arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs, etc.(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities. (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 the concurrence of the Ministry's Project Chief Engineers only	N/A	
1.18	If Crosings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	Yes , Encasing will be installed in (Pipe Pushing method) Trenchless Technology	
	(a) Existing drainage structures shall not be allowed to carry the lines	N/A	
	(b) Is it on a line normal to NH	No	


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Srivilliputtur


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Executive Engineer
TWAD Bd., Project Division
Virudhunagar

Adarsh
DGM (T) & PD
National Highways Authority of India

Sl. No.	Item	Information / Status	Remarks
	(c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from	15	
	(d) The casing pipe (or conduit pipe in the case of electric tube) carrying the utility 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	Mild steel pipe with anti rust coating	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	Yes, It has to be sealed on both ends	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Yes	
	(g) 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.	Yes	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete types	Trenchless Technology (Pipe Pushing Method)	
	(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	--	
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	
	(i) Should not be greater than 60 Cm wider than the outer diameter of the pipe	Yes (63mm dia to 500mm dia)	
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from center-lines of the nearest carriageway	28.00 meter from center line	
	(iii) 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.	Yes	
	(iv) 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.	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD Method	Yes	


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 National Highways Authority of India
 Madurai

Sl. No.	Item	Information / Status	Remarks
2.3	Strip plan/Route Plan showing Water supply pipe line, Chainage, width of ROW, distance of proposed, cable 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	Open Trenching method	
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.	N/A	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe	Yes	
	(b) For filling of the trench, 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.	Yes	
	© 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	Yes	
	(d) The sidefill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted	Yes	
	(e)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.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying of Water Supply Pipe Line through CD works and method of laying	N/A	


 4 18/8/23
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 Srivilliputhur


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 Virudhunagar.


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 National Highways Authority of India
 Madurai

Sl. No.	Item	Information / Status	Remarks
	(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 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter no. NH-HI/P/66/76 dated 19.11.1976	Yes	
3	Draft License Agreement signed by two witnesses	Yes (enclosed)	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 50/- 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 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	Road Restoration Charges will be remitted to NHAI by cheque	
4.1	Performance BG As per above is to be obtained	Yes	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes	
5	Affidavit/Undertaking from the Applicant for		
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	Yes	
5.3	Confirming all standard condition of NHAI's, guideline	Yes	
5.4	Shifting of Water Supply pipe line as and when required by NHAI at their own cost	Yes	
5.5	Shifting due to 6 laning/widening of NH	At their own cost of TWAD Board	
5.6	Idemnity against all damages and claims clause (xxiv)	Yes	
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	


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 Madurai

Sl. No.	Item	Information / Status	Remarks
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 Water Supply pipe line will be borne by the agency owning the line.	Yes	
5.11	If the NHAI consider it 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 (i) Laying of Water Supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6 laning "We do undertake that I will relocate service road/approach road/utilities at my own cost not with standing the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development	Certificate given. Under taking by the Executive Engineer, TWAD Board, Project Division, Virudunagar.	
6	Who will sign the agreement on behalf of of Water Supply pipe line agency	Executive Engineer, TWAD Board, Project Division, Virudunagar.	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No RW/NH-III/P/66/76 dated 11.05.1982, Ministry Circular No RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995 Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.99 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003	Yes	

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National Highways Authority of India
Madurai

Sl. No.	Item	Information / Status	Remarks
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-lanning (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 (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	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 has 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 from Km _____ to Km _____ of NH No.- -----on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."	Not applicable	
9	Who will supervise the work of laying of Water Supply pipe line	Asst.Engr. / Assistant Executive Engineers, TWAD Board, Srivilluputtur / Alangulam Sub division	
10	Who will ensure that the defects in road portion after laying of Water Supply pipe line are corrected and if not corrected then what action will be taken	Assistant Executive Engineers, TWAD Board, Srivilluputtur / Alangulam Sub Divisions	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire	Executive Engineer, TWAD Board, Project Division, Virudunagar.	
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)	--	
13	If any previous approval is accorded for laying of underground water Supply Pipe line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	--	

Anand
18/8/23
Assistant Executive Engineer
TWAD BOARD
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Srivilluputtur

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TWAD Board, Project Division
Virudunagar
DGM (T) & PD
National Highways Authority of India
Madurai

Proposal for Laying of water pipe line along the road from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800, KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

General to Accompany All Proposals

Check List

General

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

2 a] Purpose of the proposal in details : Providing CWSS to 1331 habitations in Virudhunagar & Thoothukudi districts with river Thamirabarani as source under JJM 2024 - Package III.

b] Exact location of proposal : Madurai- Kanniyakumari (NHAI) - NH 44 (Old No- NH 7)

Along the road at RHS - Km 50+500 to 57+800

RHS - Km 53+800 to 54+800

LHS - Km 57+300 to 60+400

LHS - Km 57+800 to 71+300

RHS - Km 69+000 to 71+700

LHS - Km 71+400 to 75+800

RHS - Km 75+800 to 77+000

RHS - Km 79+200 to 81+200

LHS - Km 80+700 to 81+200

LHS - Km 81+200 to 89+300.

Across the road at - Km 53+800, Km 57+800,

Km 60+400, Km 66+800,

Km 71+300, Km 71+400,

Km 71+700, Km 75+800,

Km 81+200, Km 89+300.

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 Feasible. : No other location is possible.

g] Whether any other than this would be difficult. : Difficult and not possible.

h] Whether this proposal when implemented now will affect the design, stability and traffic safety of highway. : No.

- i] Whether this proposal if implemented now will affect any likely future improvement such as improvements geometric. : No.
- j] Is there any proposal for improvements in this Stretch or likely to be sanctioned in near future and whether they will be affected by this Proposal. : No


CONDITIONS

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

The above-mentioned rules have been noted for guidance.


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Assistant Executive Engineer
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur


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Executive Engineer
TWAD Bd., Project Division
Virudhunagar.


DGM (T) & PD
National Highways Authority of India
Madurai

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

I. LAYING OF UTILITY LINE ACROSS NATIONAL HIGHWAYS:

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

B. LAYING OF UTILITY LINE ACROSS NH:

1. Chainage at which it crosses the NH : Km 53+800, Km 57+800, Km 60+400, Km 66+800, Km 71+300, Km 71+400, Km 71+700, Km 75+800, Km 81+200, Km 89+300.
2. Does the proposal cross the NH on a line normal to it? If not, the reasons thereof, and why it cannot be taken normal to road. : Yes, on a line normal to it
3. If the proposal for irrigation purpose? If so the concurrence of revenue Dept. has been enclosed. : Not Applicable
4. Whether there is any structure existing within 15M from the crossing? If so, the detail of such. : No
5. The reason why the crossing cannot be shifted to more than 15 from the existing structures. : Does not arise.

C. METHOD OF CASING PIPES:

- 1] Does it pass through special conduits or other structures built for this purpose : No
- 2] Does it use any of the existing drainage structures? : No.
- 3] Whether the conduit pipes have been encased : Yes
- 4] The detail of casing pipes such as its dia, materials etc : 1000 mm, 900mm, 700mm, 500mm, 400mm & 250mm Dia MS Pipes
- 5] Whether the ends of casing or conduct pipe are sealed from outside so that it may not act as Drainage path. : Yes
- 6] Does the casing conduit pipe extent from drain to drain, if this is cut or from the tie or slope to Tie of slop[e in Care, if this is full. : Yes
- 7] Whether the tops of casing / conduit pipe is 1.2M below the road level subject to the conditions that it lies at least 0.5M below the drain inverts. : Yes

D. METHOD OF LAYING:

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

CERTIFICATE

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


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Srivilliputtur


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DGM (T) & PD
National Highways Authority of India
Madurai



தமிழ்நாடு தமில்நாடு TAMILNADU 18 AUG 2023

Executive Engineer,
TWAD, Project Division,
Virudhunagar

DB 087139

மு. அனாமது இக்பால்
நகர முத்தியைத்தான் நிற்பனையாளர்
விருதுநகர் - தமிழ்நாடு
உரிமம் எண்: 486/30-8-1973

Sub : Proposal for Laying of water pipe line along the road from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

Undertaking

- 1) We Undertake not to Damage any other utility, if damaged, we will pay the losses either to NHAI or to the concerned agency
- 2) We undertake to renew the Bank Guarantee if required.
- 3) We Undertake to confirm all standard conditions of NHAI's guidelines.
- 4) We Undertake to Shift of water supply pipe line as and when required by NHAI at our own cost.


Executive Engineer
TWAD Bd., Project Division
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- 5) We Undertake to Shift the water supply pipe line due to 4 lanning / widening of NH at a later date.
- 6) We Undertake and Indemnify against all damages and claims as per clause (xxiv)
- 7) We undertake to manage the Traffic movement during laying of New water supply pipe line.
- 8) We undertake to accept any claims raised by the Concessionaire if any and the same will be paid by us.
- 9) We undertake to obtain Prior approval of the NHAI before undertaking any work of installation to the showing water supply pipe line located in the National highway right-of-ways.
- 10) We undertake to bear the Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by laying of New water supply pipe line.
- 11) We undertake to move the utility line for any work of improvement or repairs to the road If the NHAI considers if necessary in future, it will be carried out as desired by the NHAI at my cost within a reasonable time (not exceeding 60 days) of the intimation given.
- 12) We undertake to pay the fee /rent as mentioned in the Ministry's Guidelines Lr. No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NHAI.

Certificate

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


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தமிழ்நாடு தமில்நாடு TAMILNADU 18 AUG 2023

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Virudhunagar

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த. அந்நமது இக்பால்
நகர முத்திரைத்தாள் விற்பனையாளர்
விருதுநகர் - தமிழ்நாடு
உரிமம் எண்: 486/30-8-1973

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

Agreement to Lay Water pipe line along the road RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

This Agreement made this _____ day of _____ (month)
of _____ year between _____ acting in his executive
capacity through the President of India / National Highways Authority of India (hereinafter
referred to as the "Authority" which expression shall unless excluded by or repugnant to the


Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

Context, include his successors in office and assigns) of the one part and Executive Engineer, TWAD Board, Project Division, Virudhunagar (name of the party). (Hereinafter called the 'Licensee') which expression shall, unless excluded by or repugnant to the context, include his heirs its successors/administrator assignees on the second part.

Whereas the Authority is responsible, inter alia, for development and maintenance of lands in along the road RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800, KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

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

Whereas the licensee has applied to the Authority for permission to lay water supply pipes along the road from Water pipe line along the road RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800, KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

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

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

1. ROW permission are only enabling in nature. The purpose of extending the way leave facility on the National Highway Row is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions / scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the


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first user, subject to technical requirement being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption / damage is 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 equipments, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility / industrial infrastructure facilities.
4. The licensee shall pay license fees @ Rs /Sq. m/ month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the Licensee, for laying of utilities / cables / conduits / pipelines for infrastructure/service provider. As regards Tariff and Terms and Conditions for Providing Common Utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MORT& H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In case where utility ducts with sufficient space are already available along NH, the Utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utilities services shall be laid at the edge of the ROW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc, below the bed. In case, this is not feasible, the utility services may be carried outside the railings / parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where ROW is restricted the utility service can be allowed beneath the carriageway of service road, if available, subject to the condition that the


Executive Engineer
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utility service be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility service shall not interface with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provide for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility service shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slop in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structure shall not be allowed to carry the lines across.
13. The top of the casing / conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at lease 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment - 1.
14. The utility service shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing / conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in- below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, colds and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.


Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

- b. The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or bonding will not be permitted.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. Per route meter / Rs. Per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / it's designed agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installation / utility services & interference, interruption , disruption or failure caused there of to any service etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench / other restoration work, the Authority shall have a right to make good the damage caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Not with standing this, the licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the ROW facility;


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21. The Licensee shall shift the utility service within 90days (or as specification by the respective Authority) from the date of issues of the notice by the concerned Authority to shift/relocate the utility services, in case it is so require for the purpose of improvement/ widening of the road/route/highway or construction of flyover/bridge and restore the road / land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the Location of other utilities/underground installation/facilities etc. the Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations /utilities/facilities etc.
23. The licensee shall be solely responsible/liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of Licensee is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highways, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.


Executive Engineer
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Virudhunagar.

27. Each day, the extent of digging the trenches should be strictly regulated so that utility service is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The Licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility service without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land/property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility service located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty Charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of water pipe line in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Set at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter


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Virudhunagar.

within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.


37. The utility services shall not be made operational by the licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Not with standing anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition for any loss caused to it by such cancellation not shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
 - a. Operation, repair and maintenance guidelines given by the manufacturers,
 - b. The requirements of Law.
 - c. The physical conditions at the site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measure like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility service, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the ROW.
42. Any disputes in interpretation of the terms and condition of this agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.


Executive Engineer
TWAD Bd., Project Division
Vrudhunagar.

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.


(D. KENNEDY)

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

**Executive Engineer
TWAD Bd., Project Division
Virudhunagar.**

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


(K. MANI)

1. Name in full (Signature) with designation

**Assistant Executive Engineer
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur**



2. Name in full (Signature) with designation

(R. RAMASUBRAMANIAN)
**Assistant Engineer
TWAD BOARD
Project Maintenance Sub Division
Alangulam**

1. Name in full (Signature) with designation

2. Name in full (Signature) with designation

Annexure-I

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

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

- (c) Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.
 - (d) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.
 - (e) The sidefill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - (f) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highways Authority. Care shall be taken to avoid the formation of a dip at the trench.
 - (g) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.
15. If needed, a diversion shall be constructed at the expense of agency owning the Water Supply pipe line.
16. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Water Supply pipe line located in the National highway right-of-ways.
17. Expenditure, if any, incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water Supply pipe line will be borne by the agency owning the Water Supply pipe line.
18. If the NHAI considers it necessary in future to move the Water Supply pipe line for any work of improvement or repairs to the road, it will be carried out as desired by the Highway Authority at the cost of the agency owning the Water Supply pipe line within a reasonable time (not exceeding 60 days) of the intimation given.
19. The licensee shall ensure making good the excavated trench for laying Water Supply pipe line by proper filling and compaction, so as to restore the land in to the same conditions as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
20. The licensee shall furnish a Bank Guarantee to the NHAI @ Rs50/- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.
21. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee, the licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of the licensee failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.

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

- only by the consent and permission of the NHAI so that the right of the licensee to the use thereof shall not become absolute and indefeasible by laps of time.
36. The licensee shall bear the stamp duty charged for the agreement.
 37. The Water Supply pipe line shall not be brought in to use by the licensee unless a completion certificate to the effect that the laying of Water Supply Pipe Line has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
 38. Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the or breach of any condition of the same and the licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
 39. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance.
 40. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of licensee.
 41. After the termination/expiry of the agreement, the licensee shall remove the Water Supply pipe line within 60 days and the site shall be brought back to the original condition failing which the licensee will lose the right to remove the cables/ducts. However, before taking up the work of removal of Water Supply pipe line the licensee shall furnish a bank guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way.
 42. If NHAI is required to do some emergent work the licensee will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.
 43. The enforceability of the Right-of Way permission granted here in shall be restricted to the extent of provisions/scope of service contained/defined in the license agreement and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope.
 44. Strict compliance of the following by the Project Director:
 - a) If the licensee fails to inform the commencement of laying of Water Supply pipe line 15 days before the actual start of the work at site the agreement should be null and void.
 - b) It is to be intimated to the HQ that, actual work has already been started at the site as per the provision of the agreement and the conditions stipulated in the Ministry Circular No. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003.
 - c) An interim execution progress report /status report shall be submitted to NHAI HQ after one month of the start of the work at site, regarding the satisfactory progress of the laying of Water Supply pipe, as per the specification/stipulation and the alignment as approved.

- d) The final completion certificate shall be issued/submitted by PD to the HQ to the effect that, the work has been completed to the entire satisfaction of the Project Director and there were no violation of any condition / stipulation contained in the agreement, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003. and the approved plan.
- e) To obtain a performance bank guaranty @ Rs. 50/- per running meter of NH and Rs.1,00,000/- per crossing of NH from the licensee to safe guard the interest of NHAI.
- f) A register of records of the permissions accorded has to be maintained by the PD in the prescribed proforma (copy enclosed).
- g) Project Director is authorized to sign an agreement (IN ACCORDANCE WITH THE MODEL AGREEMENT) with the applicant, on behalf of NHAI.

Ammi
18/8/23,
Assistant Executive Engineer
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur

hunny
18/8/23
Executive Engineer
TWAD Bd., Project Division
Virudhunagar.



தமிழ்நாடு தமில்நாடு TAMILNADU 11 8 AUG 2023

Executive Engineer,
TWAD, Project Division,
Virudhunagar

DB 087138
மு. அனந்தகுமார் இக்பால்
நகர முத்திரைத்தாள் விற்பனையாளர்
விருதுநகர் - தமிழ்நாடு
உரிமம் எண்: 486/30-8-1973



INDEMNITY BOND

Name Of Work : Laying of Water pipe line along NH- 44 Madurai to Kanniyakumari (NHAI) from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) in the state of Tamil Nadu National Highways.

Indemnity against all damages and claims as per SL.No.5.6 of Checklist

We M/s. The Executive Engineer, Tamil Nadu Water Supply And Drainage Board, Project Division, Virudhunagar do hereby indemnify Project Director,


Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

National Highways Authority of India, Project Implementation Unit, binding ourselves to pay all the losses and claims in respect of Laying of Water pipe line along NH- 44 Madurai to Kanniyakumari (NHAI) from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 in the state of Tamil Nadu 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 of such claims affected from any of our assets.

FOR M/S.THE EXECUTIVE ENGINEER,
TWAD BOARD, VIRUDHUNAGAR.


Authorized Signatory
Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

Restoration Charges to be collected for Laying of Water pipe line along RHS - KM 50/500 to 57/800, KM 69/000 to 71/700, KM 75/800 to 77/000, KM 79/200 to 81/200 and LHS - KM 57/300 to 71/300, KM 71+400 to 75+800, KM 80/700 to 89/300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI). in the state of Tamil Nadu National Highways

Cost of Restoration Charges Along the Road < 300mm dia of pipe @ Rs. 100/- per meter (26900 m x Rs. 100/-)	2690000.00
Cost of Restoration Charges Along the Road > 300mm to 1000mm dia of pipe @ Rs. 250/- per meter (17000 m x Rs. 250/-)	4250000.00
Total Restoration Charges (RS.)	6940000.00
Rupees Sixty nine lakh and Fourty thousand only	

henu
31/8/23
Executive Engineer
TWAD Bd., Project Division
Virudhunagar

License fee to be collected for Laying of Water pipe line along RHS - KM 50/500 to 57/800, KM 69/000 to 71/700, KM 75/800 to 77/000, KM 79/200 to 81/200 and LHS - KM 57/300 to 71/300, KM 71+400 to 75+800, KM 80/700 to 89/300 and Trenchless Crossing KM 53+800, KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI), in the state of Tamil Nadu National Highways

Sl No	Description	Length in m	Width in m	Area occupied in Sqm	Guideline Value (Rs.) per Sqm	License Fees (Rs / sqm)
Along the Road						
1	Sivaganapuram - Village Km.50+500 to Km.51+800 (RHS)	1300	0.090	117.00	494.20	57821.40
2	Pavali - Village Km.51+800 to Km 53+300 (RHS)	1500	0.225	337.50	222.50	75093.75
3	Kuraikundu - Village Km.53+300 to Km.54+800 (RHS),	1500	0.225	337.50	444.80	150120.00
4	Kuraikundu - Village Km 53+800 to Km 54+800 (RHS),	1000	0.315	315.00	444.80	140112.00
5	Kuraikundu - Village Km 54+800 to Km 57+400 (RHS)	2600	0.250	650.00	444.80	289120.00
6	Maruluthu- Village Km.57+400 to Km 57+800 (RHS)	400	0.250	100.00	395.40	39540.00
7	Maruluthu- Village Km.57+300 to Km 60+400 (LHS)	3100	0.110	341.00	395.40	134831.40
8	Maruluthu- Village Km.57+800 to Km 60+600 (LHS)	2800	0.250	700.00	395.40	276780.00
9	Pattampudhur - Village Km.60+600 to Km.62+600 (LHS)	2000	0.250	500.00	247.10	123550.00
10	Vachakarapatti - Village Km.62+600 to Km.65+500 (LHS)	2900	0.250	725.00	296.55	214998.75
11	Thulukkapatti - Village Km.65+500 to Km.69+900 (LHS)	4400	0.250	1100.00	370.65	407715.00
12	Thulukkapatti - Village Km.69+000 to Km.69+900 (RHS)	900	0.063	56.70	370.65	21015.86
13	E.Kumaralingapuram - Village Km.69+900 to Km.71+400 (RHS)	1500	0.063	94.50	296.55	28023.98
14	E.Kumaralingapuram - Village Km.71+300 to Km.71+400 (RHS)	100	0.250	25.00	296.55	7413.75
15	E.Kumaralingapuram - Village Km.71+400 to Km.71+700 (RHS)	300	0.450	135.00	296.55	40034.25
16	E.Kumaralingapuram - Village Km.69+900 to Km.71+300 (LHS)	1400	0.250	350.00	296.55	103792.50
17	E.Kumaralingapuram - Village Km.71+400 to Km.72+400 (LHS)	1000	0.500	500.00	296.55	148275.00
18	E.Muthulingapuram - Village Km.72+400 to Km.75+600 (LHS)	3200	0.500	1600.00	296.55	474480.00
19	Padanthai - Village Km.75+600 to Km.75+800 (LHS)	200	0.500	100.00	370.65	37065.00

Sl No	Description	Length in m	Width in m	Area occupied in Sqm	Guideline Value (Rs.) per Sqm	License Fees (Rs / sqm)
20	Padanthal - Village Km.75+800 to Km.77+000 (RHS)	1200	0.500	600.00	370.65	222390.00
21	Chatrapatti - Village Km.79+200 to Km.81+200 (RHS)	2000	0.500	1000.00	395.40	395400.00
22	Chatrapatti - Village Km.80+700 to Km.81+200 (LHS)	500	0.160	80.00	395.40	31632.00
23	Chatrapatti - Village Km 81+200 to Km 82+600 (LHS)	1400	0.500	700.00	395.40	276780.00
24	Pethureddiapatti - Village Km.82+600 to Km.89+300 (LHS)	6700	0.500	3350.00	247.10	827785.00
Across the road						
25	Kuraikundu - Village Km 53+800	60	0.700	42.00	444.80	18681.60
26	Maruluthu- Village Km.57+800	60	0.500	30.00	395.40	11862.00
27	Maruluthu- Village Km.60+400	60	0.400	24.00	395.40	9489.60
28	Thulukkappatti - Village Km.66+800	60	0.250	15.00	370.65	5559.75
29	E.Kumaralingapuram - Village Km. 71+300	60	0.500	30.00	296.55	8896.50
30	E.Kumaralingapuram - Village Km.71+400	60	0.900	54.00	296.55	16013.70
31	E.Kumaralingapuram - Village Km.71+700	60	0.900	54.00	296.55	16013.70
32	Padanthal - Village Km.75+800	60	0.900	54.00	370.65	20015.10
33	Chatrapatti - Village Km.81+200	60	1.000	60.00	395.40	23724.00
34	Pethureddiapatti - Village Km.89+300	60	0.900	54.00	247.10	13343.40
	Sub Total	44500		14231.20		4667368.98
License fees for utilities shall be 1.5% of total amount for utility						70010.53
Total License fee /Annum say Rs.70,010.53/-						
License fee for Public utility for 1st year						Rs.70010.53
License fee for Public utility for 2nd year						Rs.74211.17
License fee for Public utility for 3rd year						Rs.78663.84
License fee for Public utility for 4th year						Rs.83383.67
License fee for Public utility for 5th year						Rs.88386.69



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Revenue District:	VIRUDHUNAGAR	Revenue Taluka:	VIRUDHUNAGAR
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Sr.No.	Survey/Subdivision No.	Subsideline Value (S) (British Value)	Subsideline Value (F) (Metric Value)	Land Classification	Effective Start Date	S.O. Download
1	122/10A	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
2	122/10B1	81/ Square Feet	875/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
3	122/10B2	81/ Square Feet	875/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
4	122/10C	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
5	122/10D	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
6	122/10E	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
7	122/10F1	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
8	122/10F2	2000000/ Acre	4942000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
9	122/14	1500000/ Acre	3706500/ Hectare	Dry Abutting Other Roads And Railway Lines Type - I	01-Apr-2023	-
10	122/15	1500000/ Acre	3706500/ Hectare	Dry Abutting Other Roads And Railway Lines Type - I	01-Apr-2023	-

Reply

Please send them to: John J. Gaudin, Jr., Director, The American Cancer Society, 1515 Broadway, New York, NY 10036.

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Revenue Village: PAVALI
Revenue Taluka: VIRUDHUNAGAR

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1	115/1	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
2	115/2	0	0	Govt. Others	01-Apr-2023	-
3	115/3A	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
4	115/3B	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
5	115/4	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
6	115/5A	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
7	115/5B	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-
8	115/6	90000/ Acre	222500/ Hectare	Dry Maanavari Lands Type - I	01-Apr-2023	-

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Guideline Value relating to 2.19 lakhs streets and over 4.46 Crores Survey Numbers/Subdivision numbers are available on this site for query.

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Number

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KOORAIKUNDU

Dry Abutting National Highways Ty

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Search Criteria :

Zone: RAMANATHAPURAM Sub Registrar Office: VIRUDHUNAGAR JOINT II

Guideline Village: KOORAIKUNDU Revenue Village: KOORAIKUNDU

Revenue District: VIRUDHUNAGAR Revenue Taluka: VIRUDHUNAGAR

Below Search results are as on 20-Aug-2023 01:04 PM

11 items found, displaying 1 to 10.

[First/Prev] 1, 2 [Next/Last]

Sr.No.	Survey/Subdivision No.	Guideline Value () (British Value)	Guideline Value () (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	<u>41/1</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
2	<u>41/2</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
3	<u>41/3</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
4	<u>41/4</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
5	<u>42/1</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
6	<u>42/2</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National	01-Apr-2023	-

Sr.No.	Survey/Subdivision No.	Guideline Value () (British Value)	Guideline Value () (Metric Value)	Land Classification	Effective Start Date	G.O.Download
7	<u>42/3</u>	1800000/ Acre	4448000/ Hectare	Highways Type - II Dry Abutting National Highways Type - II	01-Apr- 2023	-
8	<u>42/4</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr- 2023	-
9	<u>42/5</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr- 2023	-
10	<u>43/1</u>	1800000/ Acre	4448000/ Hectare	Dry Abutting National Highways Type - II	01-Apr- 2023	-

[Go Back To Main Menu](#)

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[Encumbrance Certificate](#)

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[Stamp Vendor](#)
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Fax: 044-24642774

E-mail: helpdesk@tnreginet.net

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Phone Nos:(044) 22310989/22321090/22321095/22342142; FAX, 044-22321095

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Guideline Search

Search Criteria :

Zone: RAMANATHAPURAM
Guideline Village: MARULUTHU
Revenue District: VIRUDHUNAGAR
Street/Survey Number: 33

Sub Registrar Office: VIRUDHUNAGAR JOINT I
Revenue Village: MARULUTHUR
Revenue Taluka: VIRUDHUNAGAR

10 items found, displaying all items.

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O. Download
1	33/1	1600000/ Acre	3954000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
2	33/2A1	1600000/ Acre	3954000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
3	33/2A2	-	-	Govt. Salai	-	-
4	33/2B	-	-	Govt. Salai	-	-
5	33/2C2A	1600000/ Acre	3954000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
6	33/2C2B	-	-	Govt. Salai	-	-
7	33/3A	1600000/ Acre	3954000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
8	33/3B	-	-	Govt. Salai	-	-
9	33/4	-	-	Govt. Others	-	-
10	33/5B	1600000/ Acre	3954000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-

Back

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E-Services
Circulars

Service	Duty and Fee	Reference	Download	Link to the Service	Link to the Service	Link to the Service
Stamp	Duty and Fee	Online	Link to the Service	National Portal	Online Service	Link to the Service
Order	Duty and Fee	Change	Online	Online Service	Online Service	Link to the Service
Cancel/View	Duty and Fee	Taluk View	Online	Online Service	Online Service	Link to the Service
EC	Duty and Fee	User Manual	Online	Online Service	Online Service	Link to the Service
Security	Duty and Fee		Online	Online Service	Online Service	Link to the Service
Gift Funds	Duty and Fee		Online	Online Service	Online Service	Link to the Service
Stampage	Duty and Fee		Online	Online Service	Online Service	Link to the Service
Birth and	Duty and Fee		Online	Online Service	Online Service	Link to the Service
Deaths	Duty and Fee		Online	Online Service	Online Service	Link to the Service
Shop	Duty and Fee		Online	Online Service	Online Service	Link to the Service

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Zone: RAMANATHAPURAM Sub Registrar Office: VIRUDHUNAGAR JOINT II
Guideline Village: PATTAMPUDUR Revenue Village: PATTAMPUDUR
Revenue District: VIRUDHUNAGAR Revenue Taluka: VIRUDHUNAGAR
Street/Survey Number: 100

25 items found, displaying 1 to 10.
[First/Prev] 1, 2, 3 [Next/Last]

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O. Download
1	100/1	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
2	100/10	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
3	100/11	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
4	100/11A	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - II	01-Apr-2023	-
5	100/11B	-	-	Govt. Salai	-	-
6	100/2	-	-	Govt. Others	-	-
7	100/3A2	90/ Square Feet	970/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
8	100/3B	90/ Square Feet	970/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
9	100/4A	90/ Square Feet	970/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
10	100/4B	90/ Square Feet	970/ Square Metre	Residential Class I Type - I	01-Apr-2023	-

Back

Online Services
E-Services
Desktop

Search
Class
Vendor
Search/View
SC
Search
Get Plan
Manage
Data and
Cadastral
Data

Survey and
Fees
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Reference
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Information
User Manual

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Utility Forms
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Types of Documents
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Assessments
Self-Service Portal
Transfer of Documents
Policy
Cadastral Security Policy

External Links
National Portal
Cadastral Security
Open Access Portal
Reporting
Electronic Document Signature
Facility

Links
Registration
Transfer of Documents
Policy/Forms
Data and Fees
Cadastral Security

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Search Criteria :

Zone:	RAMANATHAPURAM	Sub Registrar Office:	SATHUR
Guideline Village:	VACHAKARAPATTY	Revenue Village:	VATCHAKARAPATTI
Revenue District:	VIRUDHUNAGAR	Revenue Taluqa:	VIRUDHUNAGAR
Street/Survey Number:	109		

31 items found, displaying 11 to 20.

[First/Prev] 1, 2, 3, 4 [Next/Last]

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	S.O. Downloaded
11	109/2A2	0	0	Govt. Salai	01-Apr-2023	-
12	109/2B1	0	0	Govt. Salai	01-Apr-2023	-
13	109/2B2	0	0	Govt. Others	01-Apr-2023	-
14	109/3A1A	150/ Square Feet	1615/ Square Metre	Residential Special Type - I	01-Apr-2023	-
15	109/3A1B	150/ Square Feet	1615/ Square Metre	Residential Special Type - I	01-Apr-2023	-
16	109/3A1C	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
17	109/3A1D	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
18	109/3A1E	0	0	Govt. Others	01-Apr-2023	-
19	109/3A1F	0	0	Govt. Others	01-Apr-2023	-
20	109/3A2	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-

73-287-20

10

These groups have been very successful in obtaining support for their cause, but have also been criticized for being too narrow in their focus and for being too much concerned with their own interests.

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1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732

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Revenue District:	VIRUDHUNAGAR	Revenue Taluka:	VIRUDHUNAGAR
Street/Survey Number:	24		

10 items found, displaying all items.

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O./Download
1	24/1A	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
2	24/1B	0	0	Govt. Salai	01-Apr-2023	-
3	24/2	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
4	24/2A	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
5	24/2B	0	0	Govt. Salai	01-Apr-2023	-
6	24/3A1	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
7	24/3A2	0	0	Govt. Salai	01-Apr-2023	-
8	24/3B	0	0	Govt. Others	01-Apr-2023	-
9	24/4	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
10	24/5	0	0	Govt. Others	01-Apr-2023	-

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Guideline Village:	E.KUMARALINGAPURAM	Revenue Village:	KUMARALINGAPURAM.E
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Street/Survey Number:	285		

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1	285/1A1	-	-	Govt. Salai	-	-
2	285/1A2	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
3	285/1B	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
4	285/1B1	-	-	Govt. Salai	-	-
5	285/1B2	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
6	285/1C	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
7	285/1C1	-	-	Govt. Salai	-	-
8	285/1C2	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
9	285/2A	-	-	Govt. Salai	-	-
10	285/2B1	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	03-Jul-2023	-

2324

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	Old Entry			Typical Interview	Security		Electronic Signature
	Manage			Manual			Electronic Signature
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Since $243 = 3^5$ and $10^5 = 100,000$, we have $10^5 \cdot C_{243} = 100,000 \cdot 100,000 = 10^{10}$.

First, we need to find the value of λ that minimizes the function $f(\lambda)$. We can do this by taking the derivative of $f(\lambda)$ with respect to λ and setting it equal to zero. The derivative of $f(\lambda)$ with respect to λ is:

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26



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11	175/4A2	60/ Square Feet	645/ Square Metre	Residential Class I Type - II	01-Apr-2023	-
12	175/4B	0	0	Govt. Salai	01-Apr-2023	-
13	175/5A	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
14	175/5B	0	0	Govt. Salai	01-Apr-2023	-
15	175/6A	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
16	175/6B1	1200000/ Acre	2965500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
17	175/6B2	0	0	Govt. Salai	01-Apr-2023	-
18	175/7	60/ Square Feet	645/ Square Metre	Residential Class I Type - II	01-Apr-2023	-
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Revenue Village: PADANTHAL
Revenue Talukas: SATTUR

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Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	45/18A	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
2	45/18B	1500000/ Acre	3706500/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
3	45/1A	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
4	45/1B	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
5	45/1C	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
6	45/1D	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
7	45/1E	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
8	45/1F	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
9	45/1G	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-
10	45/1H1	181/ Square Feet	1950/ Square Metre	Residential Special Type - I	01-Apr-2023	-

Back

Online Services

Registration
Circulars

Search
Zone
Village
Guideline Value
EC
Small
Old Funds
Mortgage
Subreg
Circle
Page

Duty and Fees
Duty and Fees

Reference
Chattin
Till the How
Time Stamp

Download
Utility Rules
Chattin
A. the Form
Type of Interest
Type of Interest
Interest
Rental Symbol
Cycle Stamp
Assessment
Safe and Financial AI
Land Mark Description
Policy
Cyber Security Policy

External Links
National Portal
Cyber Security Incident
Reporting
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Guideline Search

Search Criteria :

Zone: RAMANATHAPURAM
Guideline Village: CHATRAPATY
Revenue District: VIRUDHUNAGAR
Street/Survey Number: 151

Sub Registrar Office: SATHUR
Revenue Village: CHATHIRAPATTI
Revenue Taluka: SATTUR

6 items found, displaying all items.

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	D.O.Download
1	151/1A	0	0	Govt. Others	01-Apr-2023	-
2	151/1B	0	0	Govt. Salai	01-Apr-2023	-
3	151/2A	1600000/ Acre	3954000/ Hectare	Wet Abutting National Highways Type - I	01-Apr-2023	-
4	151/2B	0	0	Govt. Salai	01-Apr-2023	-
5	151/3A	1400000/ Acre	3456000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
6	151/3B	0	0	Govt. Salai	01-Apr-2023	-

B. J. C. H.

[illegible]

Received 10/10/2013; Accepted 10/10/2013; Published 10/10/2013

Figure 1. The effect of the concentration of the inhibitor on the rate of polymerization of α -methylstyrene in the presence of SnCl_4 at 25°C .

The Journal of Law, Economics, & Organization, V16 N1, Spring 2000, pp. 1-7
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$$E_{\text{eff}} = \frac{1}{2} \left(\frac{1}{E_1} + \frac{1}{E_2} \right) \quad (1)$$

Data = dataset used for the regression model; **df** = degrees of freedom; **F** = F-statistic; **p** = p-value.

DOI: 10.1002/eqe.221



பதிவுத் துறை
REGISTRATION DEPARTMENT



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 excluding Government holidays)



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Guideline Search

Search Criteria :

Zone:	RAMANATHAPURAM	Sub Registrar Office:	SATHUR
Guideline Village:	PETHUREDDIAPATTI	Revenue Village:	PETHUREDDIAPATTI
Revenue District:	VIRUDHUNAGAR	Revenue Taluk:	SATTUR
Street/Survey Number:	279		

9 items found, displaying all items.

1

Sr.No.	Survey/Subdivision No.	Guideline Value (X) (British Value)	Guideline Value (Y) (Metric Value)	Land Classification	Effective Start Date	S.O. Downloaded
1	279/1A	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
2	279/1B	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
3	279/2	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
4	279/4A	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
5	279/4B	-	-	Govt. Salai	-	-
6	279/5A	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
7	279/5B	-	-	Govt. Salai	-	-
8	279/6A	1000000/ Acre	2471000/ Hectare	Dry Abutting National Highways Type - I	01-Apr-2023	-
9	279/6B	-	-	Govt. Salai	-	-

SOL:

2000年12月31日，本公司净资产为1,000,000,000.00元，其中：实收资本为1,000,000,000.00元，未分配利润为0.00元。

Mo, Jia, W. & Zhao, Sheng. (1998). *Investigating the effects of the Chinese writing system on reading*. *Journal of Experimental Psychology: Applied*, 4, 1-14.

DOI: 10.1002/for

14-00000

Discussion: The patterns of fish catches have been compared with the area and water temperatures in the Andri and Bang, mangrove and coastal forests, respectively, and the results are discussed in relation to the size and distribution of fish.

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Site 546 (Fig. 1c) is 10^3 m from the shore and is located in the

TWAD BOARD WATER PIPE LINE ROUTE DIAGRAM

SECTION

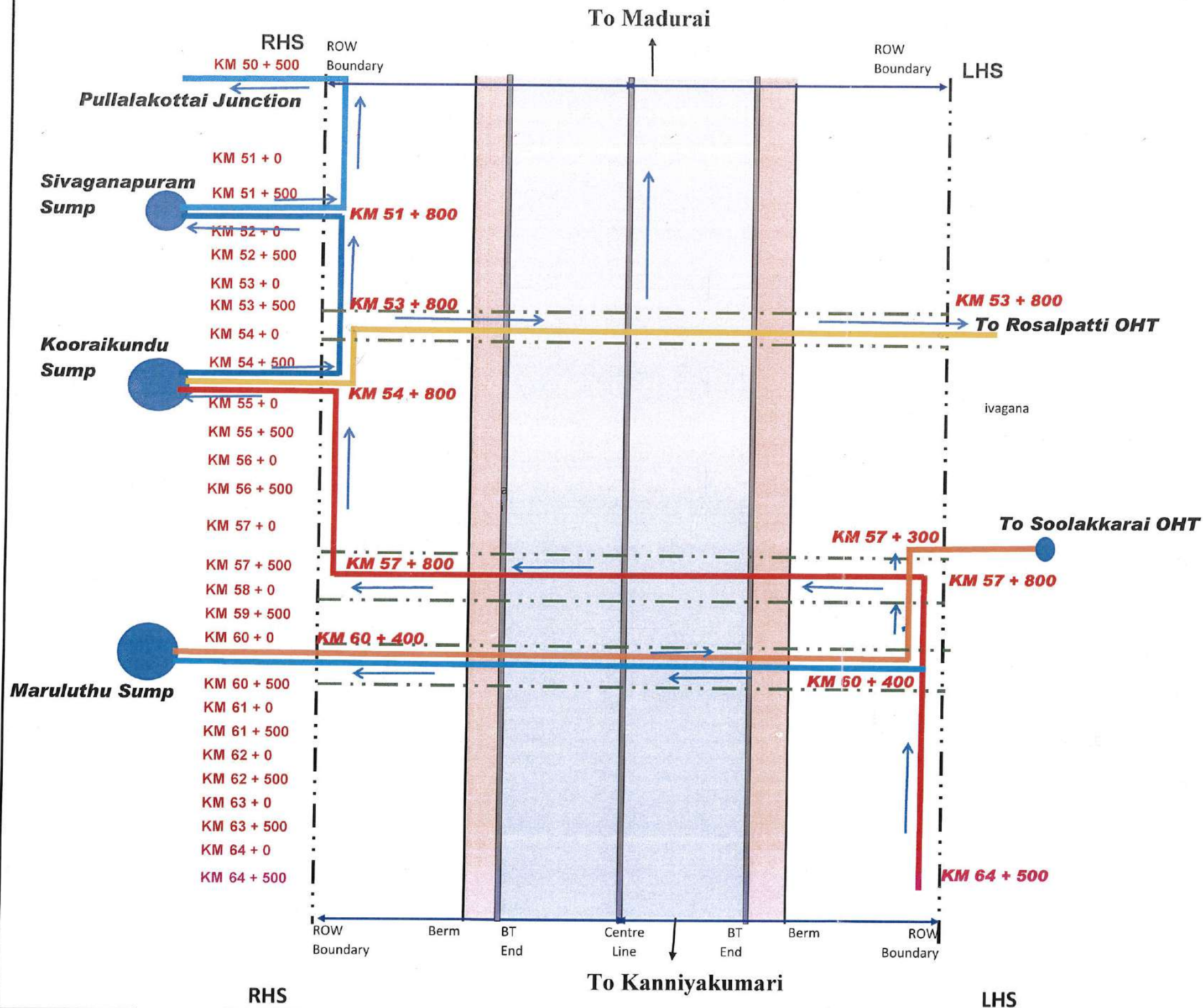
Laying of water pipe line along the road from RHS - KM 50+500 to 57+800, KM 53+800 to 54+800, LHS - KM 57+300 to 60+400, KM 57+800 to 71+300, RHS - KM 69+000 to 71+700, LHS - KM 71+400 to KM 75+800, RHS - KM 75+800 to 77+000, KM 79+200 to 81+200, LHS - 80+700 to 81+200, 81+200 to 89+300 and Trenchless Crossing KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300 of NH - 44 (Old No - NH 7) Madurai - Kanniyakumari Road (NHAI).

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

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

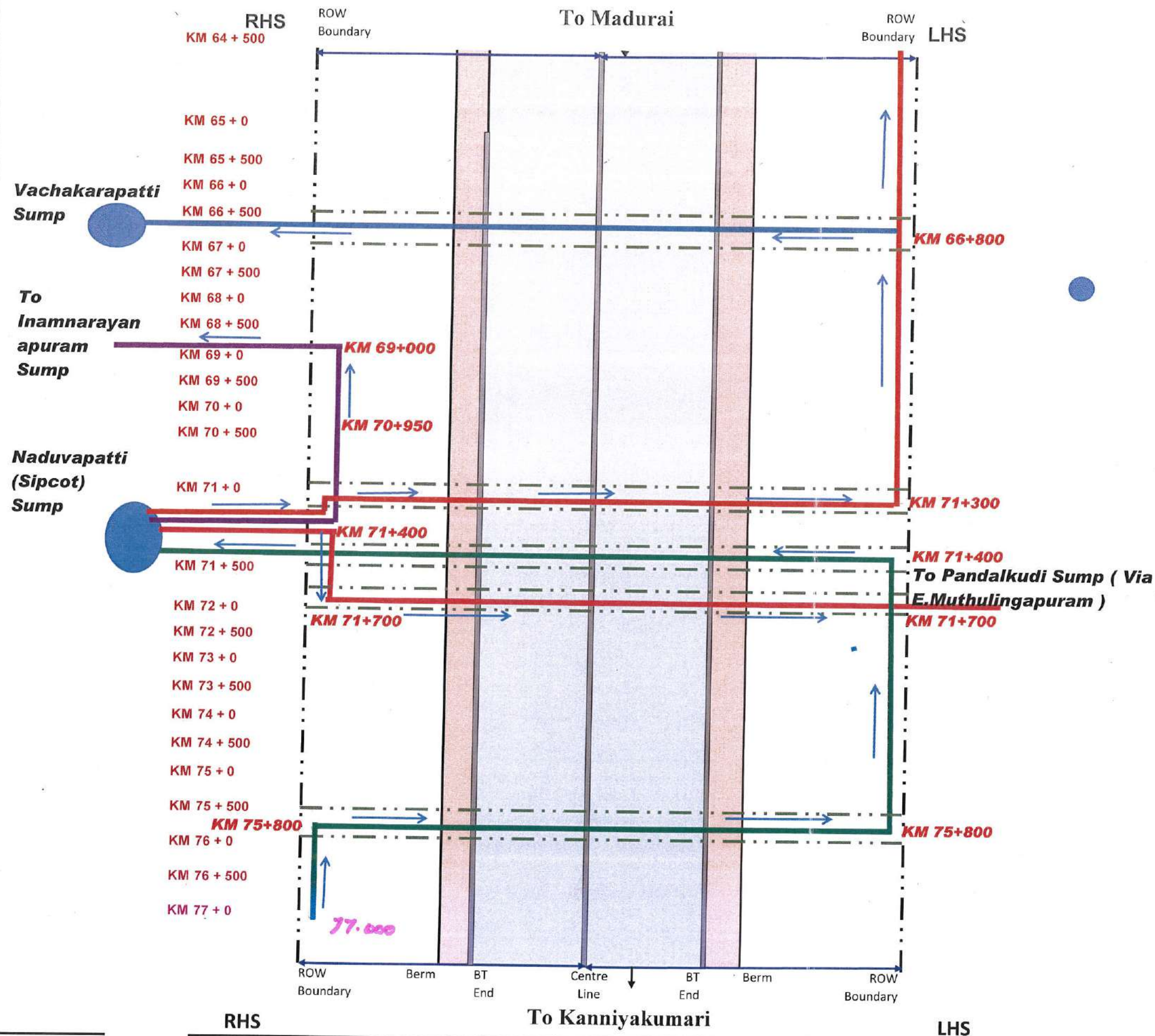
Laying of water pipe line Along NH – 44 (Old NH - 7) Madurai – Kanniyakumari (NHAI) from KM 50/500 to 89/300

Proposed Water Pipe Line Alignment Plan



Laying of water pipe line Along NH – 44 (Old NH - 7) Madurai – Kanniyakumari (NHAI) from KM 50/500 to 89/300

Proposed Water Pipe Line Alignment Plan



Laying of water pipe line Along NH – 44 (Old NH - 7) Madurai – Kanniyakumari (NHAI) from KM 50/500 to 89/300

Proposed Water Pipe Line Alignment Plan

NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi district with river Tamiraparani as source - PKG III

LEGEND

- 500mm- DI Proposed Pipe Line
- 160mm-HDPE Proposed Pipe Line
- BT End
- Boundary

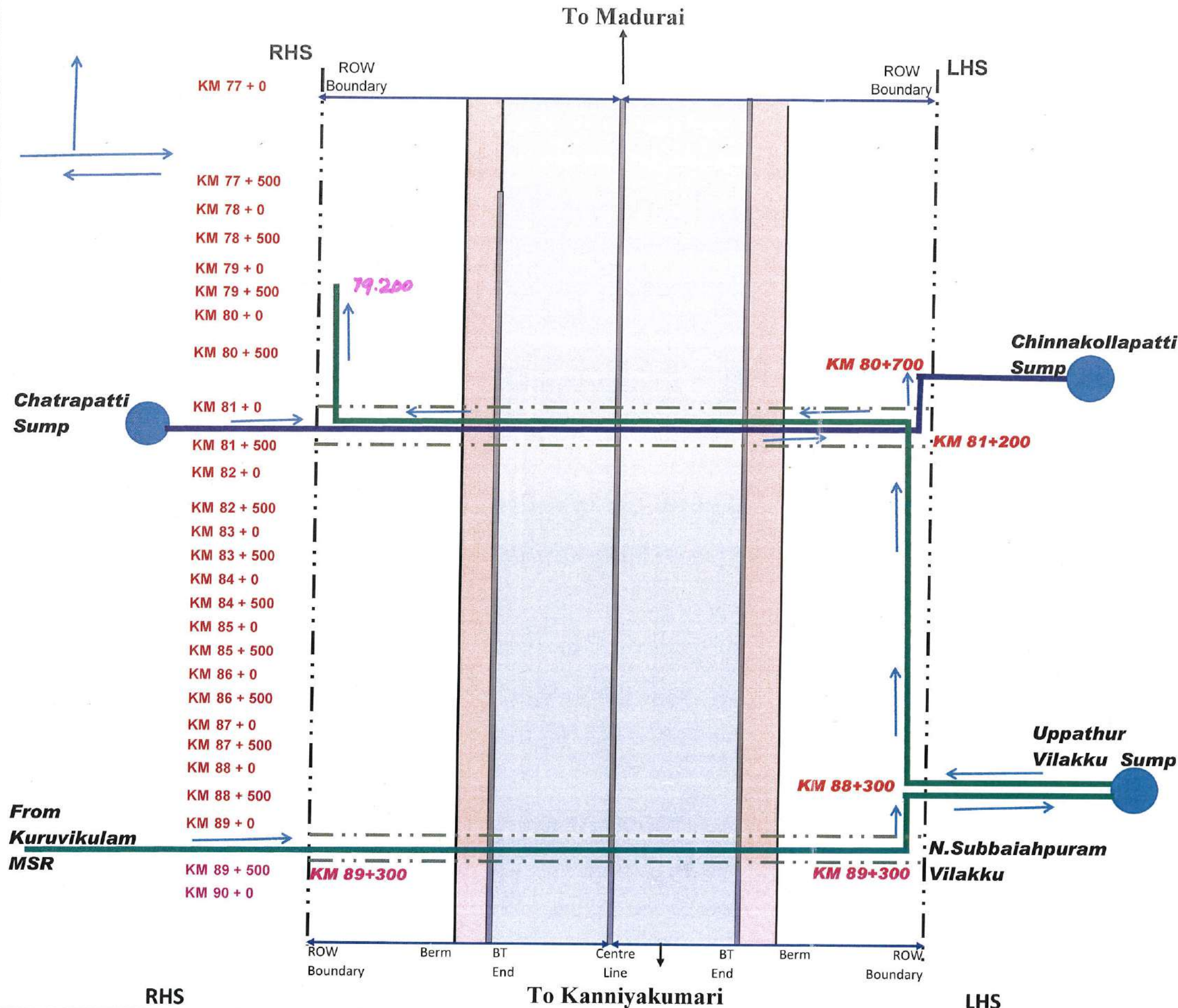
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PROJECT DIVISION , VIRUDHUNAGAR

NOTES

ALL DIMENSIONS ARE IN M
NOT TO SCALE

SHEET - 3 (77 | 000 - 90 | 000)



Assistant Executive Engineer
14/08/23
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur

Executive Engineer
3/14/23
TWAD Bd., Project Division
Virudhunagar.

DSM (T) & PD
National Highways Authority of India
Madurai

Laying of water pipe line Along NH – 44 (Old NH - 7) Madurai – Kanniyakumari (NHAI) from KM 50/500 to 89/300
the Road Pipe Line Trench Cross Section

Along

NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi districts with river Tamiraparani as source - Package - III

LEGEND

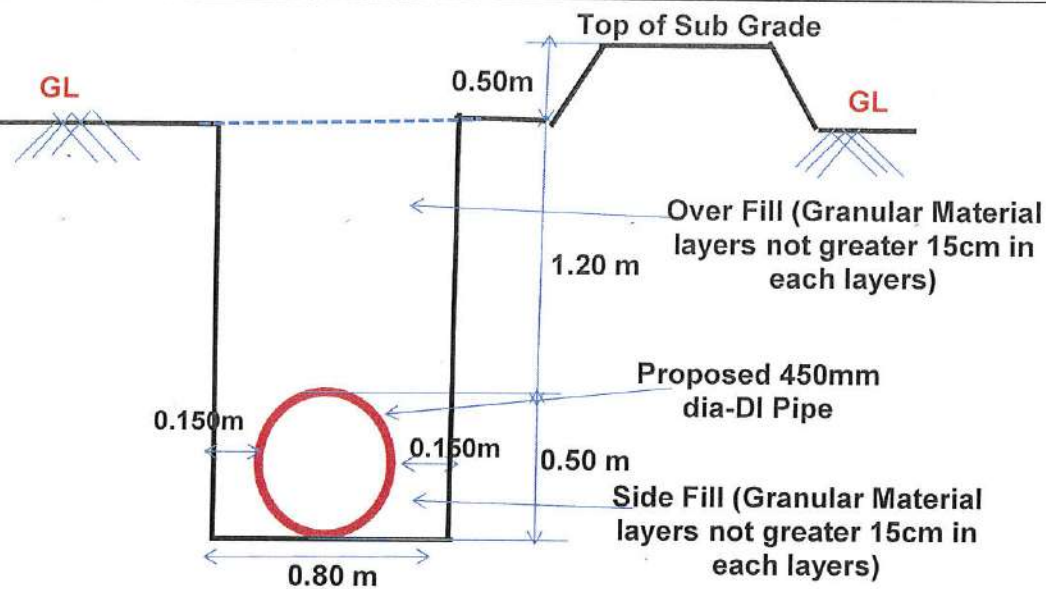
- 450mm dia - DI Proposed Pipe Line
- 500mm dia - DI Proposed Pipe Line
- 315mm-HDPE Proposed Pipe Line
- 250mm-HDPE Proposed Pipe Line
- 225mm-HDPE Proposed Pipe Line

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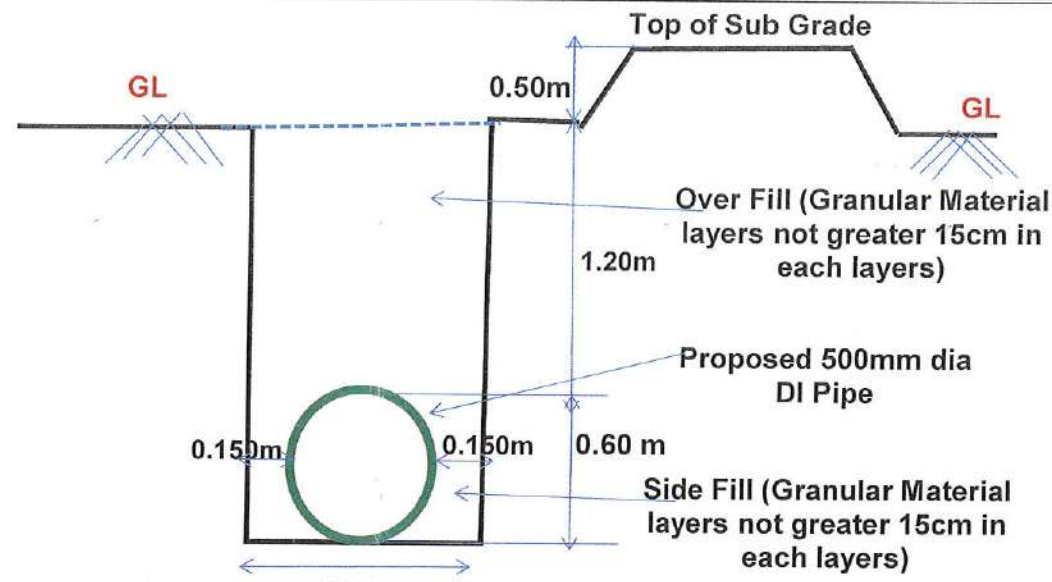
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PROJECT DIVISION , VIRUDHUNAGAR

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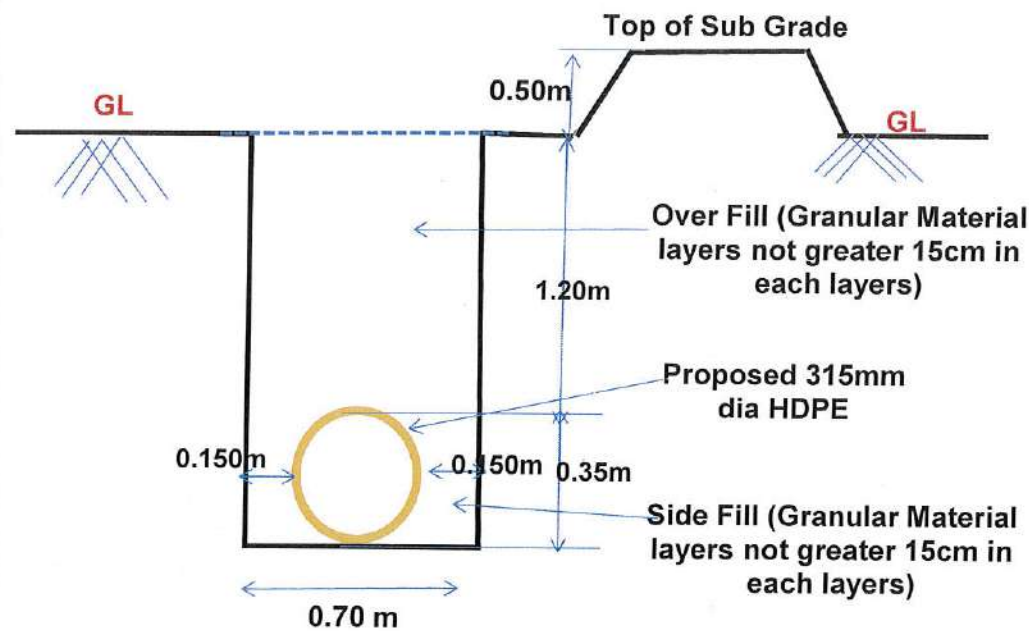
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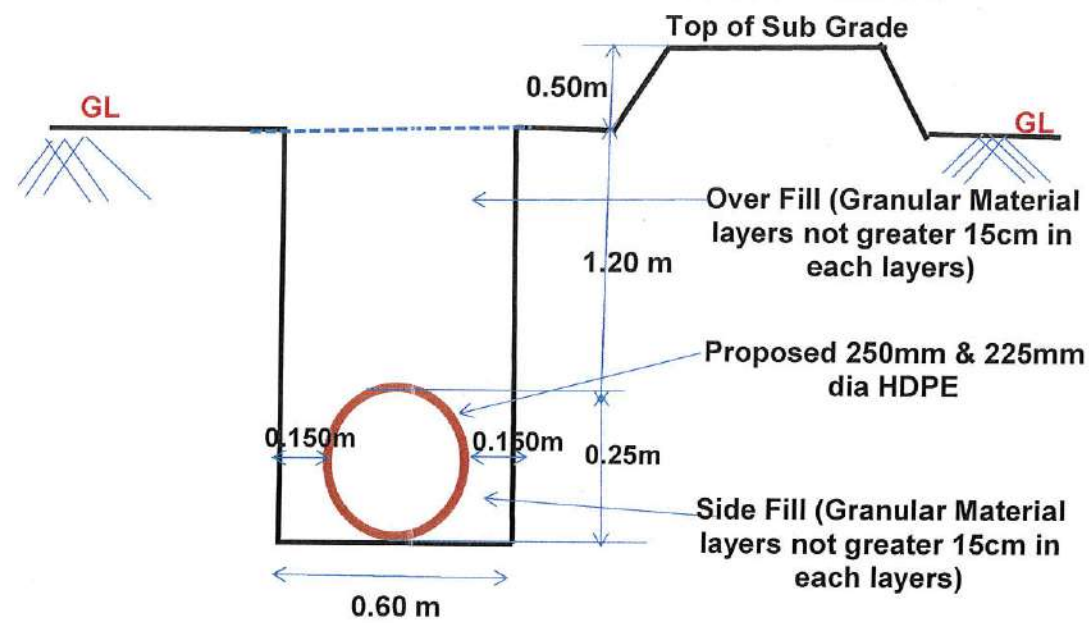
450mm Dia / RHS - KM 71+400 to 71+700 = 0.30 Km



500mm Dia / LHS - KM 71+400 to 75+800 = 4.40 Km
LHS - KM 81+200 to 89+300 = 8.10 Km
RHS - KM 75+800 to 77+000 = 1.20 Km
RHS - KM 79+200 to 81+200 = 2.00 Km



315mm Dia / RHS - KM 53+800 to 54+800 = 1.00 Km



250mm Dia / RHS - KM 54+800 to 57+800 = 3.000 Km
RHS - KM 71+300 to 71+400 = 0.100 Km
LHS - KM 57+800 to 71+300 = 13.500 Km

225mm Dia / RHS - KM 51+800 to 54+800 = 3.00 Km

14/08/2023
Assistant Executive Engineer
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National Highways Authority of India
Madurai

Laying of water pipe line Along NH – 44 (Old NH - 7) Madurai – Kanniyakumari (NHAI) from KM 50/500 to 89/300
the Road Pipe Line Trench Cross Section

Along

NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi districts with river Tamiraparani as source - Package - III

LEGEND

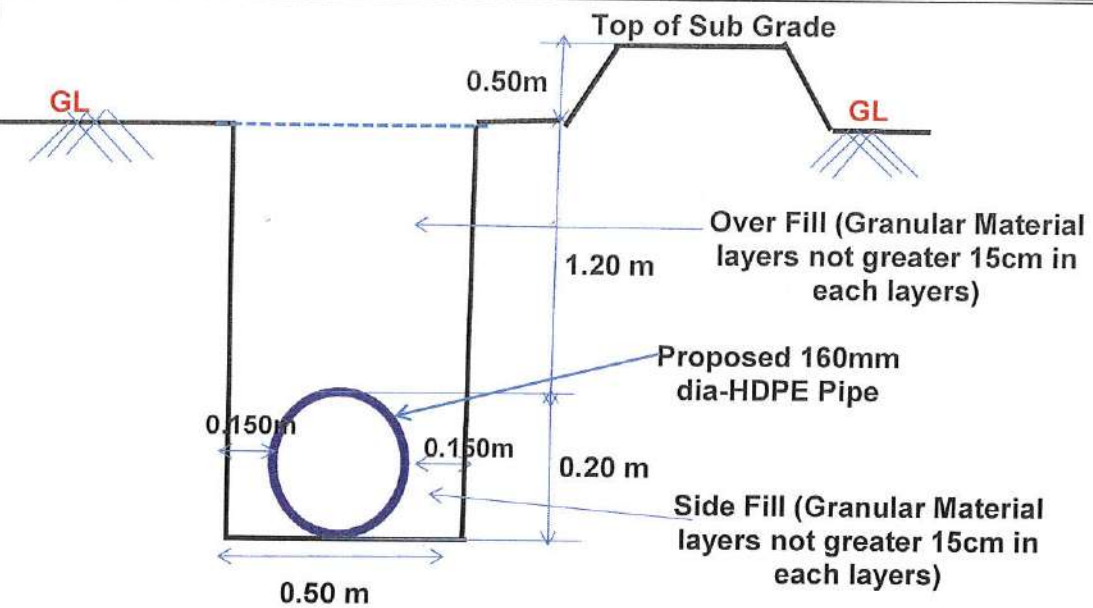
- 160mm-HDPE Proposed Pipe Line
- 110mm-HDPE Proposed Pipe Line
- 90mm-HDPE Proposed Pipe Line
- 63mm-HDPE Proposed Pipe Line

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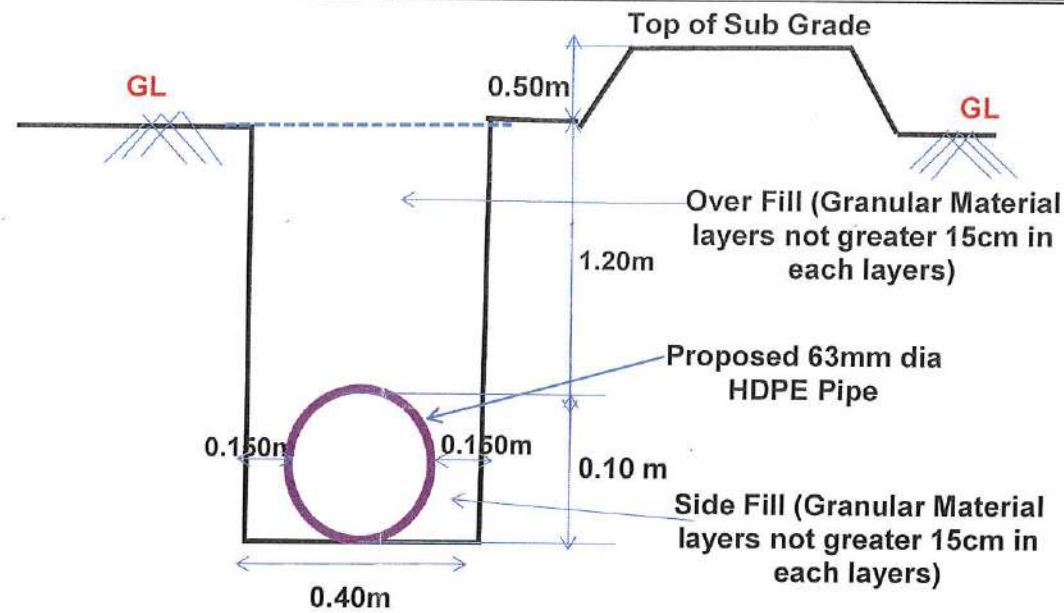
EXECUTIVE ENGINEER, TWAD BOARD
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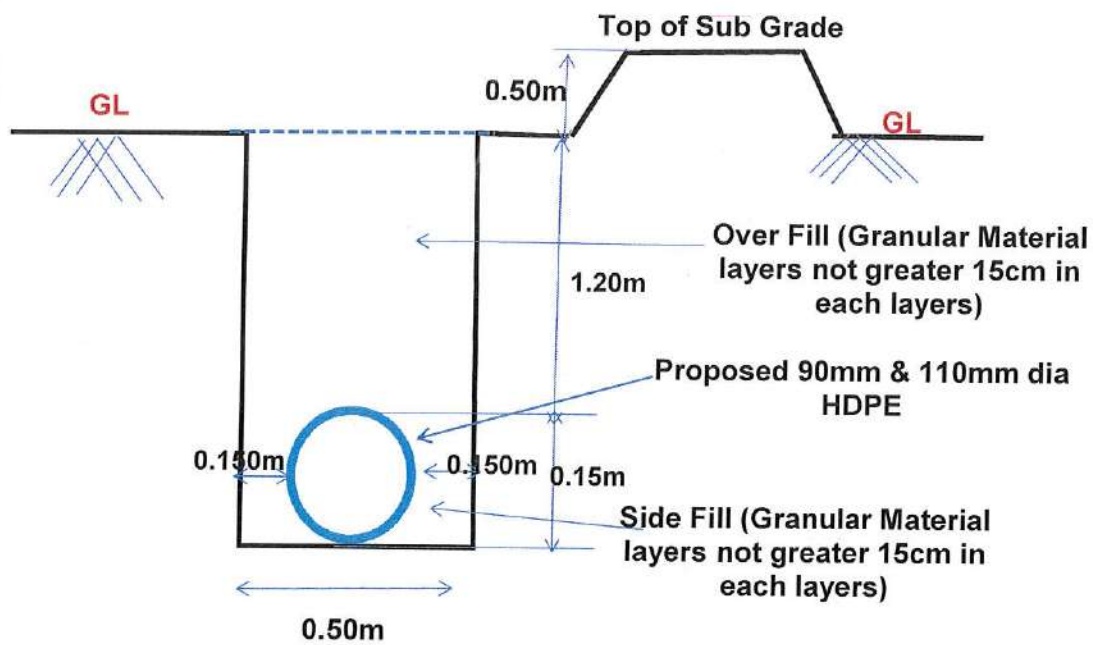
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160mm Dia / LHS - KM 80+700 to 81+200 = 0.50 Km



63mm Dia / RHS - KM 69+000 to 71+400 = 2.40 Km



90mm Dia / RHS - KM 50+500 to 51+800 = 1.300 Km

110mm Dia / LHS - KM 57+300 to 60+400 = 3.100 Km

Aravind
14/08/2023
Assistant Executive Engineer
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Srivilliputtur

Aravind
DGM (T) & PD
National Highways Authority of India
Madurai

Aravind
14/8/23
Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

Laying of water pipe line Across The NH – 44 (old NH - 7) Madurai – Kanniyakumari Road (NHAI) from KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300

The Road Trenchless Cross section

Across

NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi districts with river Tamiraparani as source - Package - III

LEGEND

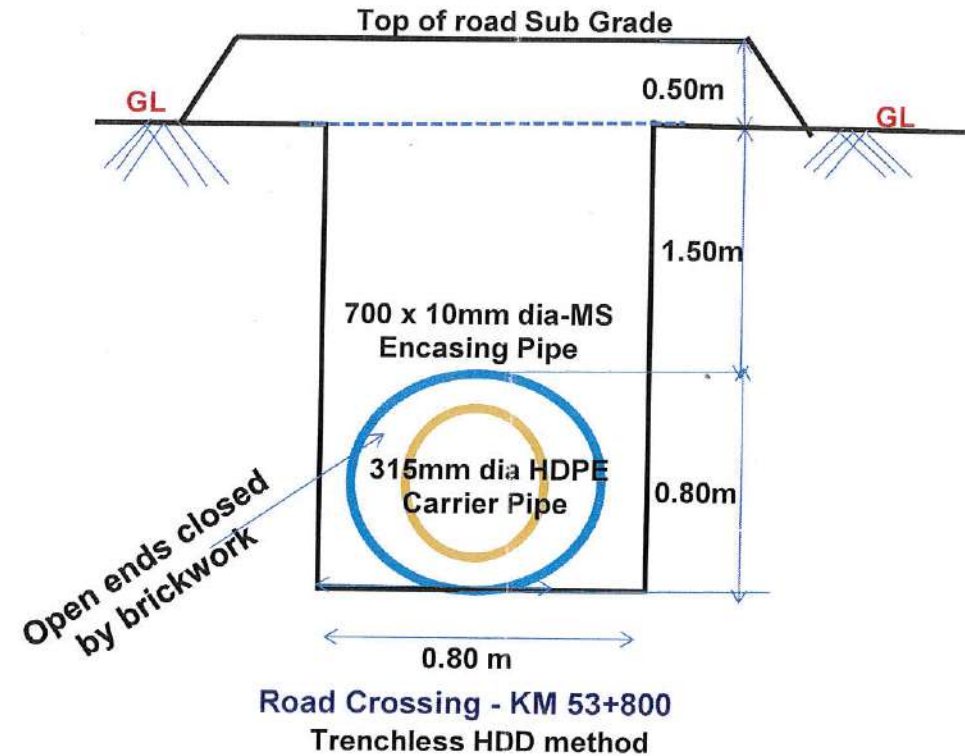
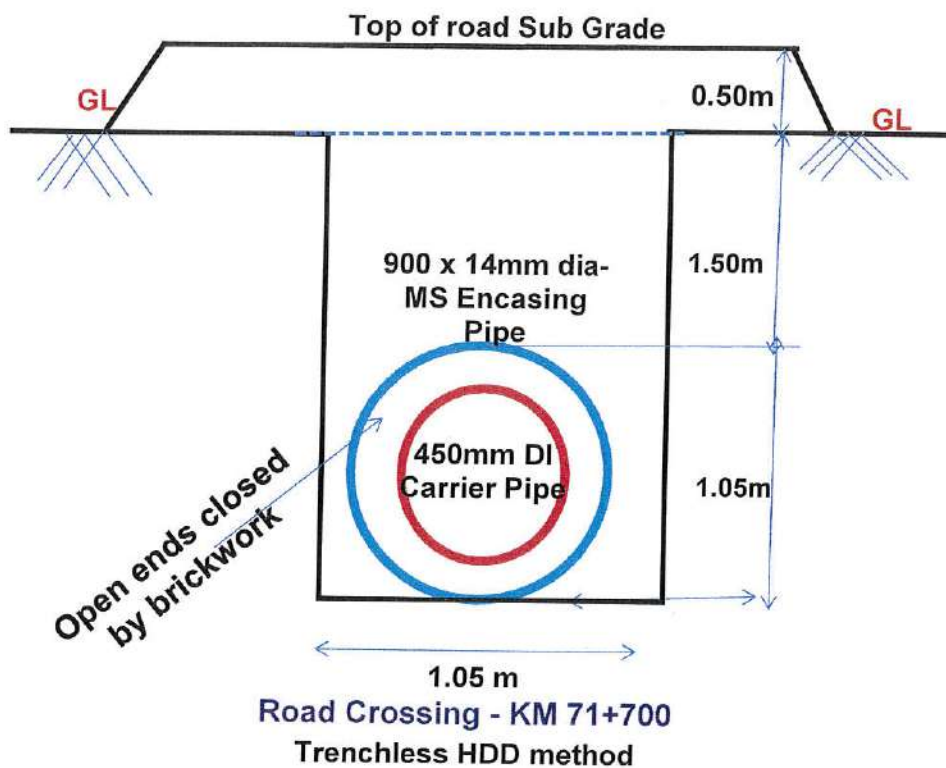
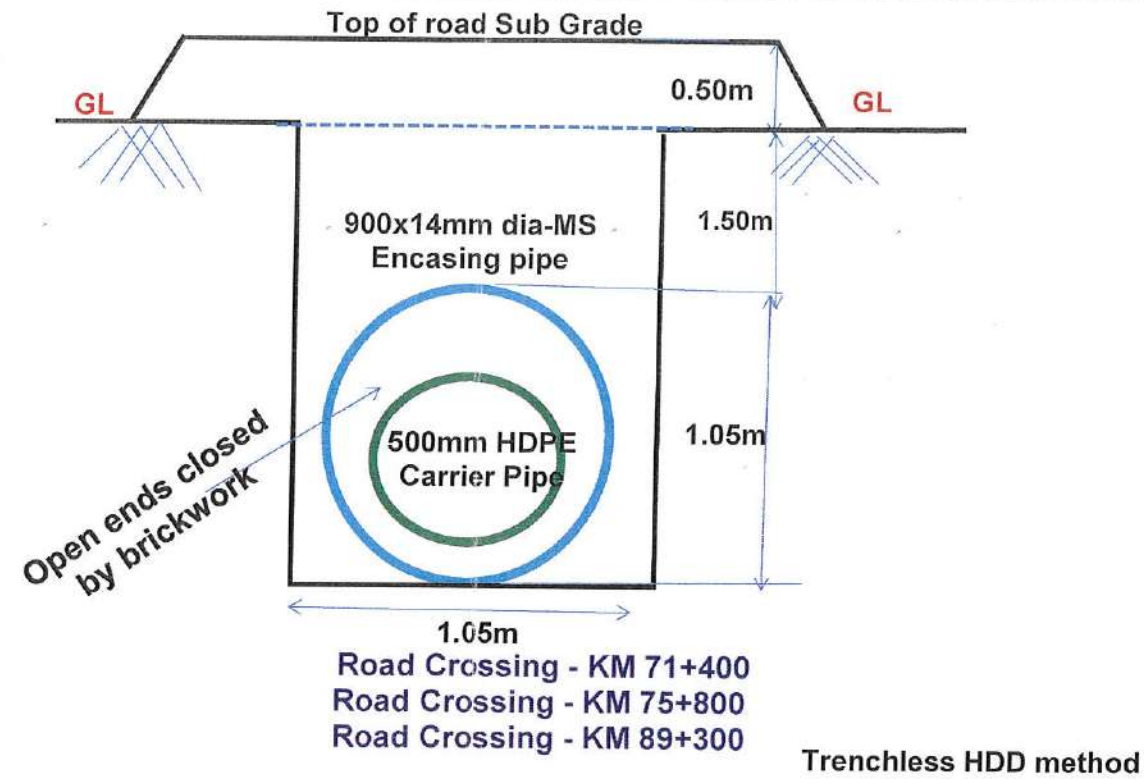
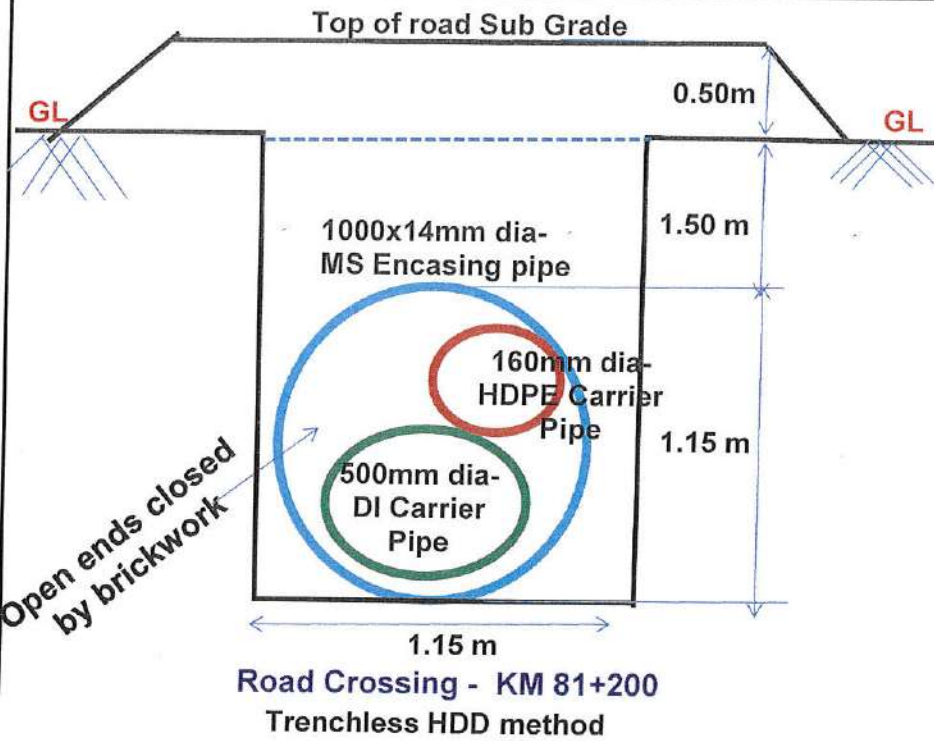
- 500mm dia - DI Proposed Pipe Line
- 450mm - DI Proposed Pipe Line
- 315mm - HDPE Proposed Pipe Line
- 160mm - HDPE Proposed Pipe Line

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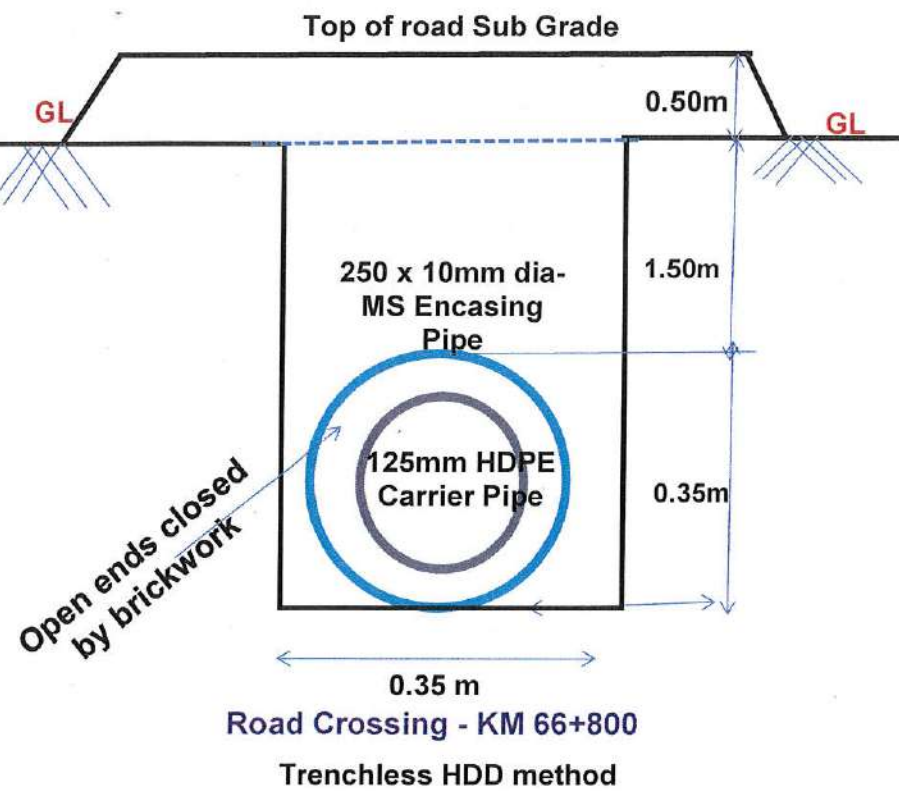
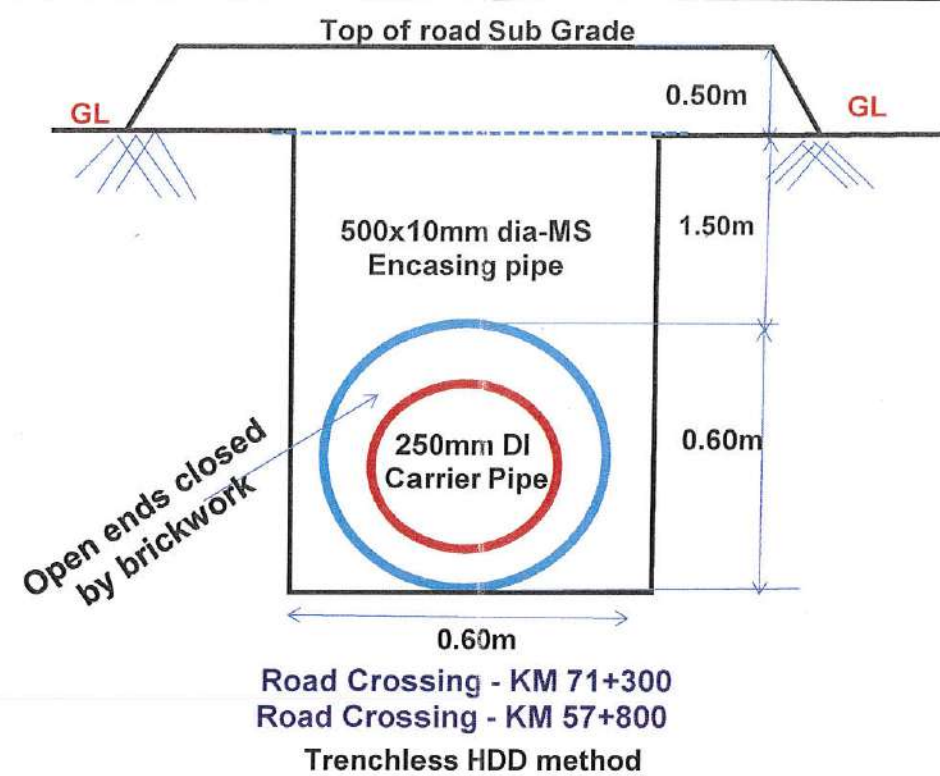
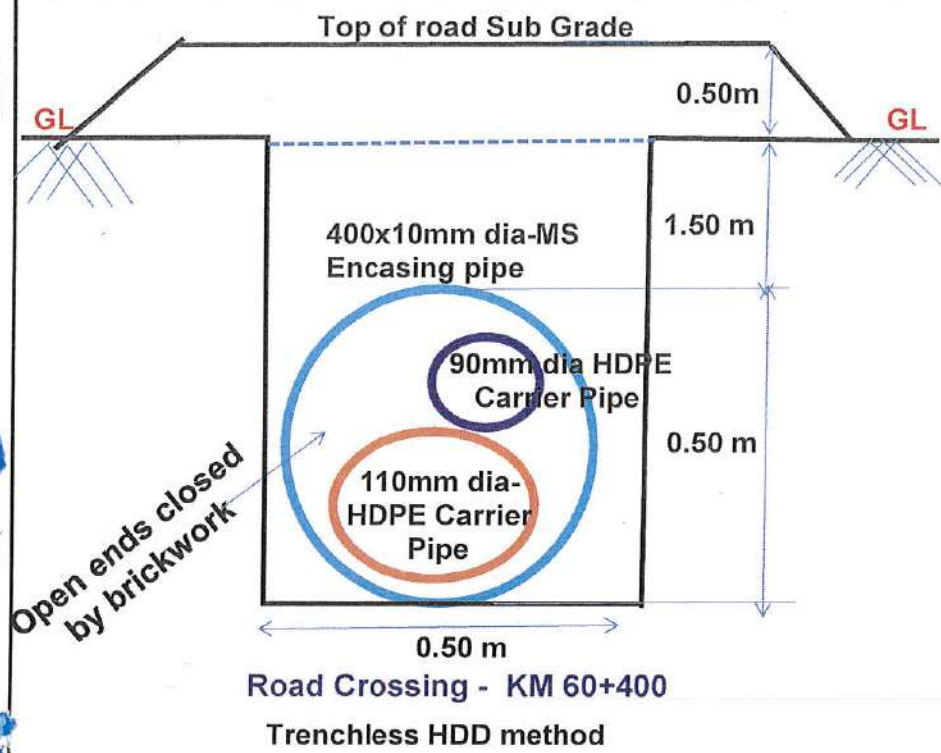
[Signature] 14/08/2023
Assistant Executive Engineer,
TWAD BOARD
Project Maintenance Sub Division
Srivilliputtur

[Signature]
DGM (T) & PD
National Highways Authority of India
Madurai

[Signature] 14/8/23
Executive Engineer
TWAD Bd., Project Division
Virudhunagar.

Laying of water pipe line Across The NH – 44 (old NH - 7) Madurai – Kanniyakumari Road (NHAI) from KM 53+800 , KM 57+800, KM 60+400, KM 66+800, KM 71+300, KM 71+400, KM 71+700, KM 75+800, KM 81+200, KM 89+300

Across The Road Trenchless Cross section



NAME OF SCHEME :- CWSS to 1331 Rural Habitations in Virudhunagar & Thoothukudi districts with river Tamiraparani as source - Package - III

LEGEND

- 250mm - DI Proposed Pipe Line
- 125mm - HDPE Proposed Pipe Line
- 110mm - HDPE Proposed Pipe Line
- 90mm - HDPE Proposed Pipe Line

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