



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

दूसरा व तीसरी तल, विजय कृष्ण प्लाजा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माट्टुतावनी, मदुरै-625 007
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/15018/4.4/02/2023/RO Madurai/E:210708/1136

10th July, 2023

INVITATION OF PUBLIC COMMENTS

Sub: NHAI-PIU-Thanjavur- Request for Permission to lay underground Water Supply pipe line under MSV to 214 Habitations of Thanjavur District under JalJeevan Mission along from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm), Km 101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843, Km 107/340 & at Km 109/872, dia.250mm at Km 114/800 (Thanjavur - Trichy section) NH-67 (new No.83) Invitation of Public Comments - Reg.

Ref: PD, Thanjavur Lr. No-NHAI/PIU/Thanjavur/11021/112/MVS-214/2023/1779 dt.24.06.2023.

The proposal received from PD, Thanjavur vide Lr. No- NHAI/PIU/Thanjavur/11021/112/MVS-214/2023/1779 dt.24.06.2023 there by requesting permission for laying Water pipeline along the road from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm), Km 101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843,

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National Highways Authority of India

NHAI/15018/4.4/02/2023/RO Madurai/E:210708/1136

10th July, 2023

Km 107/340 & at Km 109/872, dia.250mm at Km 114/800 (Thanjavur - Trichy section) NH-67 (new No.83) in the state of Tamil Nadu as proposed by, EE, TWAD, RWS Division, Thanjavur.

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.

Mahendra Meena
10/07/2023

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

Encl. As above

Copy to:

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

Office of the Project Director, Project Implementation Unit,

No. 54, Natarajapuram North Colony,

Medical College Road, Thanjavur - 613 004, Tamilnadu.

टेलीफोन / Telephone : 04362 - 246473, 241777

ई-मेल / E-mail : tanjavoor@nhai.org, tanjavoor_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/112/MVS-214/2023/1779

Dated.24.06.2023

To

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

Sub: National Highways Authority of India-PIU-Thanjavur- Request for Permission to lay underground Water Supply pipe line under MSV to 214 Habitations of Thanjavur District under JalJeevan Mission along from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm), Km 101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843, Km 107/340 & at Km 109/872, dia.250mm at Km 114/800(Thanjavur - Trichy section) NH-67 (new No.83) in the limits of National Highways - Approval requested - reg.

- Ref:** 1.EE, RWS Thanjavur Lr.No.1004/F.New MVS 214 Habs/DB/DRWS/TNJ Dt.10.04.23
2. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/965 Dated 11.04.2023
3. IE M/s.MSV Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1419 Dated 25.04.2023
4. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/1169 Dated 01.05.2023
5. MORTH NOC Portal reference ID 20230411/1/7/19051/2522 dated 31.05.2023
6. EE, RWS Thanjavur Lr.No.29523/F.New MVS 214 Habs/DB/RWS/TNJ Dt.29.05.23
7. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/1604 Dated 02.06.2023
8. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1509
Dated 14.06.2023

Sir,

The proposal for Permission to lay underground Water Supply pipe line under MSV to 214 Habitations of Thanjavur District under JalJeevan Mission along chainages from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm),

Corporate Office : G-5 & 6, Sector - 10 Dwarka, New Delhi - 110 075. Tel. : 011 - 25074100 / 200

Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No.1, Lake Area, Melur Main Road,

Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999

National Highways Authority of India

Km101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843, Km 107/340 & at Km 109/872, dia.250mm at Km 114/800 (Thanjavur - Trichy section) of NH-67 (New No.83) in the limits of National Highways received from the EE, TWAD Board, Project Division Thanjavur vide reference 1st cited.

2. Vide reference 2nd cited, Independent Engineer has been requested to inspect and report on the submitted proposal.

3. Further, Independent Engineer vide reference 3rd cited has made certain observations and same was forwarded to EE, RWS Thanjavur for compliance and returned the proposals vide ref.4th cited.

4. Now, vide 5th & 6th cited, the Executive Engineer, RWS Division Thanjavur has submitted revised proposals for laying underground Water Pipe line in the project stretch of Thanjavur - Trichy section NH-67(New No.83) and same was forwarded to Independent Engineer vide this office reference 7th cited. The IE has submitted the reports vide reference 8th cited and the same is enclosed herewith.

5. The proposal has been examined as per Ministry Circular No. 33044/27/2005 S&R (R) dt. 6/7,8.2013. MORTH Circular no.H-39011/16/2012- P&P dt.22.04.2014 and Ministry lr.no.RW/NH -33044/29/2015 S&R (R) dated.22.11.2016 and the following observations are made.

- a) Laying of water supply pipe line new MVS to 214 Habitations in Thanjavur District under JalJeevan Mission along from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm), Km 101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843, Km 107/340 & at Km 109/872, dia.250mm at Km 114/800 (Thanjavur - Trichy section) NH-67 (New No.83) in the limits of National Highways by trenchless (HDD) method.

M. J. J.

National Highways Authority of India

- b) In the proposal, EE, TWAD Board, RWS Division Thanjavur has mentioned that the water pipe line will be laid 1.20m below GL by trench method and the minimum required as per the norms laid is 1.20m below GL.
- c) Crossing is proposed by trenchless technology (HDD) and encasing will be provided throughout the crossing reach within ROW. In the proposal the applicant mentioned the encasing will be provided at 4.00m below road level which is more than stipulated Minimum of 1.20 meter below the Ground Level.
- d) The distance between the proposed water pipe line and the center line of the nearest carriageway is more than 15m. Now it is proposed to lay the pipe beyond the end of service road boundary and main carriageway within the utility corridor.
- e) It is certified that the installation pipes within the utility corridor will not affect the four laning project. The four laning work in the above stretches of Thanjavur - Trichy section from Km 80.000 to Km 136.490 of NH67 (new No.83) has already been completed.
- f) The EE, TWAD Board, RWS Division Thanjavur has been authorized to sign in the proposal. He has given undertaking to agree to pay the levy fee / rent and to follow all other conditions stipulated in the new Circular No. Ministry No. RW/ NH - 33044/29/2015 S&R(R) dt. 22.11.2016.
- g) They have also applied through Online Portal to get the Water Pipe line permission from NHAI vide reference ID 20230411/1/7/19051/2522 dated 31.05.2023.

A. Restoration Charges to be collected

Total length for laying of Water Pipe line along the road
by HDD method = 12591mtrs.

Cost of Restoration Charges @ Rs.100.00
per running meter (10823 x 250) = Rs. 1082300/-

Cost of Restoration Charges @ Rs.250.00
per running meter (1768 x 250) = Rs. 442000/-

Across in one locations (6x100000) = Rs. 600000/-

Total = Rs. 2124300/-

(or) Say Rs. 21.24 lakhs



National Highways Authority of India

B. License fee to be collected

Dr. License Fees to be collected

Sl. No .	Description	Length in Meters	Width in Sqm	Area occupied in Sqm	Remarks
A	Area occupied along the road	12591	Various dia	2774.29	(Details are enclosed in annexure-A)
B	Across the Road at Km 99/185 at Km 111/558 at Km 101/843 at Km 107/340 at Km 109/872 at Km 114/800	1.90	Various dia	114	
C	Total area to be utilized			2888.29	
D	Circle Rate (guideline Value for the above area as on 09.06.2017 as recommended by City Engineer, Trichy City Corporation	The guideline value ranges from Rs.1080 Sq.m in Thirumalaisamudram village and Rs.1970/- Sq.m in Pudukudi North village (Details are enclosed in annexure-A).			
E	License Fees (Rs/sqm/month) = (Utilized NH land area x prevailing Circle rate of land per unit area)/(10x12)				
F	Total Amount for Public utilities			11822	
G	License fee for initial 5 years in Rs.= Total amount x 5 years [Rs. 11822*12*5]			709340	

Hence the proposal of the EE, TWAD Board, RWS Division Thanjavur vide reference 1st& 6th cited has submitted proposals for Permission to lay underground Water Supply pipe line under under JalJeevan Mission along from Km 99/185-100/185 (dia.150mm-2Nos.), Km 100/185-100/265 (dia.250mm), Km 101/705-101/843 (dia.90mm), Km 107/165-107/334 (dia.63mm), Km 107/334-107/844 (dia.140mm -2 Nos.), Km 107.844-108/173 (dia.200mm & 110mm), Km 108/173-108/598 (dia.200mm & 90mm), Km 108/598-109/872 (dia.200mm & 63mm), Km 109/872-111/558 (dia.200mm), Km 111/558-111/616 (dia.300mm & 140mm), Km 111/616-113/144 (dia.300mm), Km 113/144-113/795 (dia.300mm & 63mm), Km 113/795-114/525 (dia.300mm & 110mm), Km 114/525-114/800 (dia.150mm & 110mm) and from Km 114/800-115/788 (dia.90mm) on RHS, from Km 101/719-101/923 (dia.63mm), Km 112/622-114/469 (dia.75mm), Km 114/469-Km 114/800 (dia.110mm) and from Km 114/800-115/168 (dia.63mm) on LHS and across NH in casing pipe dia.600mm at Km 99/185 & at Km 111/558, dia.150mm at Km 101/843, Km 107/340 & at Km 109/872, dia.250mm at Km 114/800 (Thanjavur - Trichy section) NH-67 (New No.83) in the limits of National Highways by trenchless (HDD) method detailed above may be considered and approval may kindly be accorded.

Encl: As above

Yours faithfully,



(M. Ganesh Kumar)

DGM (T) & Project Director (I/c)

NHAI - PIU - Thanjavur

Copy to: 1. The Executive Engineer, TWAD Board, RWS Division Thanjavur for information
2. Team Leader, M/s. MSV International Trichy for information

LICENSE FEES FOR PUBLIC UTILITY (OFC) (Rs/Sqm/Month)

S.No	Name of the village	CHAINAGE IN KM		SIDE	LENGTH (L) (m)	DIA OF THE PIPE(D) (m)	UTILIZED NH LAND AREA (D x L) (sq.m)	PREVAILING CRICLE RATE OF LAND PER UNIT AREA (sq.m) (Rs)	Annexure-A LICENSE FEE (PUBLIC UTILITY) (Rs)*
		From Km	To Km						
1	Thirumalaisamudram	99.185	100.185	RHS	1000.00	0.3	300.00	1080	891.00
2	Thirumalaisamudram	100.185	100.265	RHS	80.00	0.25	20.00	1080	59.40
3	Thirumalaisamudram	101.705	101.843	RHS	138.00	0.09	12.42	1080	36.89
4	Thirumalaisamudram	101.719	101.923	LHS	204.00	0.063	12.85	1080	38.17
5	Sanurapatti	107.165	107.334	RHS	169.00	0.063	10.65	1360	39.82
6	Sanurapatti	107.334	107.844	RHS	510.00	0.28	142.80	1360	534.07
7	Sanurapatti	107.844	108.173	RHS	329.00	0.31	101.99	1360	381.44
8	Sanurapatti	108.173	108.598	RHS	425.00	0.29	123.25	1360	460.95
9	Sanurapatti	108.598	109.872	RHS	1274.00	0.263	335.06	1360	1253.13
10	Sanurapatti	109.872	111.558	RHS	1686.00	0.2	337.20	1360	1261.13
11	Manaiyeripatti	111.558	111.616	RHS	58.00	0.44	25.52	1195	83.87
12	Manaiyeripatti	111.616	113.144	RHS	1528.00	0.3	458.40	1195	1506.42
13	Pudukudi North	113.144	113.795	RHS	651.00	0.363	236.31	1970	1280.23
14	Pudukudi North	113.795	114.525	RHS	730.00	0.41	299.30	1970	1621.46
15	Pudukudi North	114.525	114.800	RHS	275.00	0.26	71.50	1970	387.35
16	Pudukudi North	114.800	115.788	RHS	988.00	0.09	88.92	1970	481.72
17	Pudukudi North	112.622	114.469	LHS	1847.00	0.075	138.53	1970	750.46
18	Pudukudi North	114.469	114.800	LHS	331.00	0.11	36.41	1970	197.25
19	Pudukudi North	114.800	115.168	LHS	368.00	0.063	23.18	1970	125.60
1	Thirumalaisamudram	99.185		Crossing	60	0.6	36.00	1080	106.92
2	Pudukudi North	111.558		Crossing	60	0.15	9.00	1970	48.76
3	Thirumalaisamudram	101.843		Crossing	60	0.15	9.00	1080	26.73
4	Sanurappatti	107.34		Crossing	60	0.15	9.00	1360	33.66
5	Sanurappatti	109.872		Crossing	60	0.6	36.00	1360	134.64
6	Pudukudi North	114.8		Crossing	60	0.25	15.00	1970	81.26
TOTAL								2888.29	11822
TOTAL LICENSE FEE FOR 5 YEARS (60 MONTHS)									709340

Note:

UTILIZED NH LAND AREA = outer Diameter/Width of the concerned utility line X length

*License Fees (RS/SQ.m/Month)=utilized NH land area X prevailing circle rate of land per unit area (10x12)

AS PER PARA 5 & ANNEXURE 1 OF MINISTRY'S GUIDELINE WIDE LETTER REF. F.NO. RW/NH-33044/29/2015/S&R(R) dated 22 11 2016

The license fee for public utility, the Water Pipeline by Public utility provider shall be 33% of the fee prescribe for Public utilities



MSV INTERNATIONAL INC.

IN ASSOCIATION WITH

MSV INTERNATIONAL TECH PVT. LTD.

#185, 7th Cross, Cauvery Nagar Extension,
Pirattiyur West, Pirattiyur, Trichy - 620 009.
Tamil Nadu.



Email: msv.dindigulthanjavur@gmail.com

IE Services during O&M for Trichy to Dindigul & Thanjavur to Trichy (New NH-83) in the State of Tamil Nadu on BOT basis under NHDP Phase-III.

MSV/TRICHY/NHAI/IE-TL/2022-23/1509

To
The Project Director,
Project Implementation Unit,
No. 54, Natarajapuram North Colony,
First Floor, Medical College Road,
Thanjavur-613004.

NHAI - PIU - THANJAVUR	
16 JUN 2023	
Dy.No.	3365
M(T)	
LAO	
PA	
SE/RS	
SE/SB	
SE/AN	
Accounts	

Date: 14.06.2023

1102/31

Sub: Independent Engineer during Operation & Maintenance Period for the stretches from Km.80+000 to Km.136+490 section of (Old NH-67) New NH-83 in the State of Tamil Nadu on BOT Basis under NHDP - Phase-III - TWAD Board RWAS Division Thanjavur-JJM New MVS to 214 Habs in Thanjavur District submission of proposal for grant of Right of Way permission for laying the under Ground water pipeline along the ROW in the project Stretch of Thanjavur Trichy section of NH-67- Reg.

- Ref:**
1. Ref: 1.EE, RWS Thanjavur Lr.No.1004/F.New MVS 214 Habs/DB/DRWS/TNJ Dated 10.04.23
 2. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/965 Dated 11.04.2023
 3. IE M/s. MSV Trichy Lr. No.MSV/Trichy/NHAI/IE-TL/2022-23/1419 Dated 25.04.2023
 4. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/1169 Dated 01.05.2023
 5. NORTH NOC Portal reference ID 20230411/1/7/19051/2522 dated 31.05.2023
 6. EE, RWS Thanjavur Lr.No.29523/F.New MVS 214 Habs/DB/RWS/TNJ Dated 29.05.23.
 7. NHAI/PIU/Thanj/11012/31/2009/1604 Dated 02.06.2023.

Dear Sir,

This is with the reference to the above cited subject, the Executive Engineer, RWS Division Thanjavur vide reference cited has submitted proposals for laying underground Water Supply pipeline in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83).

2. Vide reference 2nd cited, it has been requested Independent Engineer to Inspect and report on the submitted proposal.
3. Further, Independent Engineer vide reference 3 cited has made certain observations and same was forwarded to EE, RWS Thanjavur for compliance and returned the proposals vide ref.4th cited.
4. Now, vide 5th & 6th cited, the Executive Engineer, RWS Division Thanjavur has submitted revised proposals for laying underground Water Pipe line in the project stretch of Thanjavur - Trichy section NH-67.
5. In this regard, The Project Director PIU Thanj vide ref (7), requested to inspect the site and offer remarks/comments on the proposals and a report may be submitted to this office at the earliest. The details of coordinates of the existing ROW and the proposed location for laying of Water Pipe line may also be furnished in the report at the earliest.



MSV INTERNATIONAL INC.

IN ASSOCIATION WITH

MSV INTERNATIONAL TECH PVT. LTD.

#185, 7th Cross, Cauvery Nagar Extension,
Pirattiyur West, Pirattiyur, Trichy - 620 009.
Tamil Nadu.



Email: msv.dindigulthanjavur@gmail.com

IE Services during O&M for Trichy to Dindigul & Thanjavur to Trichy (New NH 83) in the state of Tamil Nadu on BOT basis under NHDP Phase-III.

Accordingly Independent Engineer inspected the Project Site along with the Executive Engineer, RWS Division Thanjavur on date 13.06.2023 and reviewed the resubmitted proposal drawing and verified with the site condition along the following location from Km 99/185 to Km 100/185 of Dia. 150mm (2 Nos.), Km 100/185 to Km 100/265 of dia 250mm, Km 101/705 to Km 101/843 of dia. 90mm, from Km 107/165 to Km 107/334 of dia. 63mm, from Km 107/334 to 107/844 of dia. 140mm (2 Nos.), from Km 107.844 to Km 108/173 of dia. 200mm & 110mm, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm, from Km 109/872 to Km 111/558 of dia. 200mm, from Km 111/558 to Km 111/616 of dia. 300mm & 140mm, from Km 111/616 to Km 113/144 of dia. 300mm, from Km 113/144 to Km 113/795 of dia. 300mm & 63mm, from Km 113/795 to Km 114/525 of dia. 300mm & 110mm, Km 114/525 to Km 114/800 of dia. 150mm & 110mm and from Km 114/800 to Km 115/788 dia. 90mm on RHS, from Km 101/719 to Km 101/923 of dia. 63mm on LHS, from Km 112/622 to Km 114/469 of dia. 75mm, Km 114/469 to Km 114/800 of dia. 110mm and from Km 114/800 to Km 115/168 of dia. 63mm on LHS and across the NH with casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, dia. 150mm at Km 101/843, Km 107/340 & at Km 109/872 respectively and dia. 250mm at Km 114/800 across the NH 67 (New No. NH 83).

So in view of the above Independent Engineer opinion that Permission may be granted for laying water pipeline along the highway road of about 12,591 mts by Open Trench method and across the highway road length of 360 mts (6 Nos) by HDD method and report as below for your consideration with following conditions.

1. Before starting of the work, responsible person should accompany, Maintenance/Route Patrol Team of the Incident Management to show the actual place of work and alignment.
2. Work should be carried out as per the conditions laid in the agreement and has to be completed within the stipulated period.
3. The Licensee shall make his own arrangements for crossing of cross drainages, culverts/structures etc with all precautionary requirements.
4. Chambers to be constructed within the utility corridor only.
5. Any damages to existing cable, pipelining and Highway apprentices like trees, shoulder, etc during the execution will be sole responsibility of Agency (if any Avenue Plants are removed from the Right of way it should be replaced based on 1:10 ratio).



MSV INTERNATIONAL INC.

IN ASSOCIATION WITH

MSV INTERNATIONAL TECH PVT. LTD.

#185, 7th Cross, Cauvery Nagar Extension,
Pirattiyur West, Pirattiyur, Trichy - 620 009.
Tamil Nadu.



Email: msv.dindigulthanjavur@gmail.com

IE Services during O&M for Trichy to Dindigul & Thanjavur to Trichy (New NH 83) in the state of Tamil Nadu on BOT basis under NHDP Phase-III.

6. All the safety precautions to be taken care of Agency while executing the work.
7. The Agency should execute the work by HDD Method only and no open excavation will allow.
8. The Agency shall ensure the Access Guide Lines as per circular RW/NH-33044/29/2015/S&R® dated 22.11.2016.
9. The laying of underground Pipeline along the road stretch must be in the utility corridor of NH boundary only.
10. NHAI has the right to terminate or withdraw the permission.

This is for your kind information and needful action.

Thanking you and assuring you the best professional knowledge at all times.

Yours faithfully,

(K.M.GURUSWAMY)

Team Leader

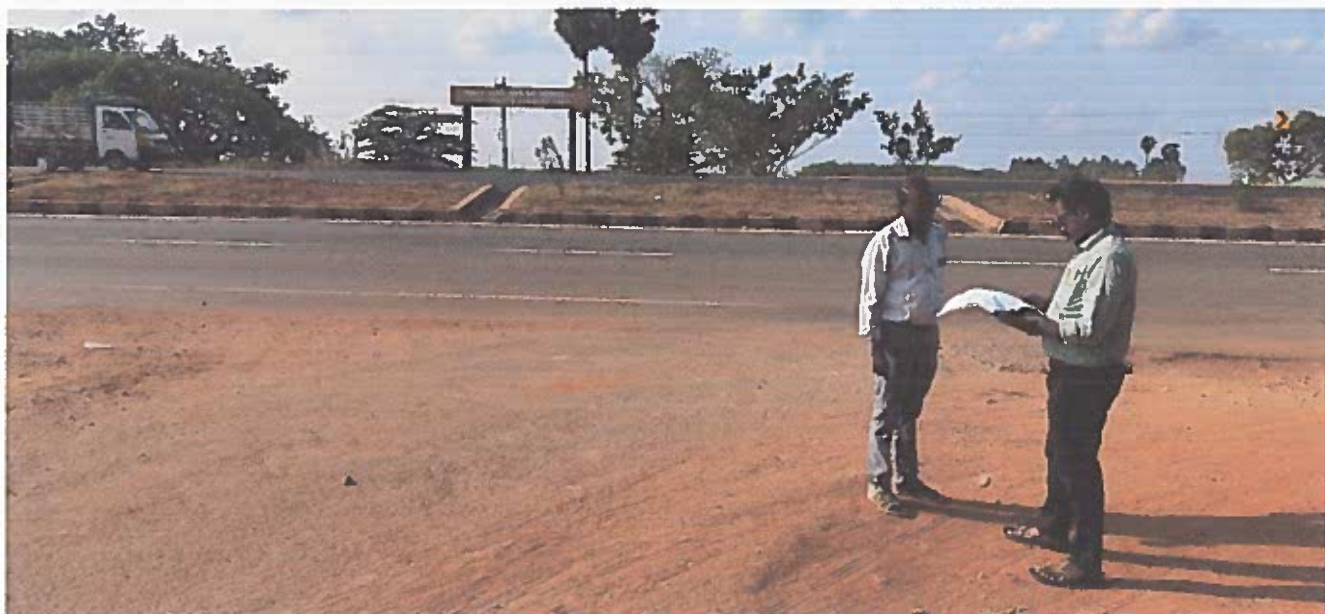
Encl: Site Photos.

CC: The Executive Engineer, TWAD Board Thanjavur, for your kind information,.

Site Photos:







**PROPOSAL FOR GRANT OF RIGHT OF WAY PERMISSION FOR LAYING THE
UNDER GROUND WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)
FROM KM 99/185 TO KM 100/265 (1080m), KM 101/705 TO KM 101/1⁸⁴³~~185~~ (138m),
KM 107/165 TO KM 115/788 (8623m) ON RHS, KM 101/719 TO KM 101/923 (204m)
KM 112/622 TO KM 115/168 (2546) ON LHS**

AND

CROSSINGS AT

**KM 99/185, KM 101/843, KM 107/340, KM 109/872, KM 111/558 & KM 114/800
(THANJAVUR – TRICHY SECTION)**

TAMIL NADU

(AS PER DETAILS ENCLOSED)

Submitted to



**THE PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT IMPLEMENTATION UNIT
THANJAVUR
TAMIL NADU**

Applicant



**THE EXECUTIVE ENGINEER
TWAD BOARD,
RURAL WATER SUPPLY DIVISION,
THANJAVUR**

TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD

From,

.Er. S. Ezhilarasan., ME.,
Executive Engineer, TWAD Board,
Rural Water Supply Division,
Integrated complex, Pillaiyarpatti,
Thanjavur.

NHAI - PIU - THANJAVUR	
1 JUN 2023	
No.	3038
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SE/RS	
SE/SB	
SE/AN	
Accounts	

To,

The Project Director,
National Highways Authority of India,
PIU, Thanjavur

11021/31

Lr.No.29523/F. New MVS 214 Habs DB/RWS/TNJ/Dt.29.05.2023

Sir,

Sub: TWAD Board-RWS Division, Thanjavur-JJM New MVS to 214 Habs. in Thanjavur district resubmission of Proposal for grant of Right of Way permission for laying the Under Ground water pipe line along the Right of way of NH 67 (New No. NH 83) in Thanjavur District – Remarks attended –resubmit the proposal- reg

Ref: NHAI/PIU/Thanj/11021/31/2009/1169 dated 01.05.2023

We are hereby resubmitting the proposal (5 sets) with respect to the observations made by above letter reference for laying Water for laying the Under Ground water pipe line along the Right of way of NH 67 (New No. NH 83) from Km 99/185 to Km 100/185 of Dia. 150mm (2 Nos.), Km 100/185 to Km 100/265 of dia. 250mm, Km 101/705 to Km 101/843 of dia. 90mm, from Km 107/165 to Km 107/334 of dia. 63mm, from Km 107/334 to 107/844 of dia. 140mm (2 Nos.), from Km 107.844 to Km 108/173 of dia. 200mm & 110mm, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm, from Km 109/872 to Km 111/558 of dia. 200mm, from Km 111/558 to Km 111/616 of dia. 300mm & 140mm, from Km 111/616 to Km 113/144 of dia. 300mm, from Km 113/144 to Km 113/795 of dia. 300mm & 63mm, from Km 113/795 to Km 114/525 of dia. 300mm & 110mm, Km 114/525 to Km 114/800 of dia. 150mm & 110mm and from Km 114/800 to Km 115/788 dia. 90mm on RHS, from Km 101/719 to Km 101/923 of dia. 63mm on LHS, from Km 112/622 to Km 114/469 of dia. 75mm, Km 114/469 to Km 114/800 of dia. 110mm and from Km 114/800 to Km 115/168 of dia. 63mm on LHS and across the NH with casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, dia. 150mm at Km 101/843, Km 107/340 & at Km 109/872 respectively and dia. 250mm at Km 114/800 across the NH 67 (New No. NH 83) of Thanjavur to Trichy Section, Thanjavur District, Tamil Nadu, confirming to the latest guidelines F.No. RW/NH-33044/29/2015/S&R(R) dated 22/11/2016 along with the Lease Agreement regarding granting of right of way permission for laying UG water pipe line along the RoW, drawings showing the route plan, cross-section drawings showing the installation of the Water Pipe line by open trench method and across the road by HDD method.


We are hereby enclosing the following with respect to the observations made for your kind perusal.

1. Revised drawing showing the position of the pipe line with reference to the center line of the project highway/ Row.
2. Indemnity bond
3. Methodology of laying along the RoW and across the Road.
4. Cross section showing the existing level

Further we follow the open trench method for laying the pipe line along the RoW and HDD method for crossing the NH. We will not use earth moving equipments, JCB's and trenches will be cut manually.

Thanking You,

Encl: Proposals -5 Sets


29/5/23

Executive Engineer, TWAD Board,
Rural Water Supply Division,
Thanjavur

CHECK-LIST

Minsitry's Guidelines Vide Circular No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016

S.NO	ITEM	Information /Status	Remarks
1	General Information	Proposal for laying of Under Ground water pipe line along the Right of Way of NH 67 (New No. NH 83) from Km 99/185 to Km 100/185 of Dia. 150mm (2 Nos.), Km 100/185 to Km 100/265 of dia. 250mm, Km 101/705 to Km 101/843 of dia. 90mm, from Km 107/165 to Km 107/334 of dia. 63, from Km 107/334 to Km 107/844 of dia. 140mm (2 Nos.), from Km 107.844 to Km 108/173 of dia. 200mm & 110mm, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm, from Km 109/872 to Km 111/558 of dia. 200mm, from Km 111/558 to Km 113/144 of dia. 300mm, from Km 113/144 to Km 113/795 of dia. 300mm & 63mm, from Km 113/795 to Km 114/525 of dia. 300mm & 110mm, Km 114/525 to Km 114/800 of dia. 150mm & 110mm and from Km 114/800 to Km115/788 dia. 90mm on RHS, from Km 101/719 to Km 101/923 of dia. 63mm on LHS, from Km112/622 to Km 114/469 of dia. 75mm, Km 114/469 to Km 114/800 of dia. 110mm and from Km 114/800 to Km 115/168 of dia. 63mm on LHS and across the NH with casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, dia. 150mm at Km 101/843, Km 107/340 & at Km 109/872 respectively and dia. 250mm at Km 114/800 across the NH 67 (New No. NH 83) of Thanjavur to Trichy Section, Thanjavur District, Tamil Nadu.	
1.1	Name and address of the applicant	Registered Office: The Executive Engineer, TWAD Board, Rural Water Supply Division Thanjavur	
1.2	National Highway Number	NH-67 (New No. NH - 83 (Thanjavur – Trichy Section)	
1.3	State	Tamil Nadu	
1.4	Location	As mentioned in the schedule.	


PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
1.5	(Chainage in KM)	As mentioned in the schedule	
1.6	Length in Meters	12591m	
1.7	Width in Meters		
	a. Left side from center line towards increasing chainage/Km direction	As per Drawing attached.	
	b. Right side from center line towards increasing chainage/Km	As per Drawing attached.	
1.8	Proposal to lay the Under Ground Water Pipeline		
	a. Left side from center line towards increasing chainage/KM direction	As per Drawing attached.	
	b. Right side form center line towards increasing chainage/km direction	As per Drawing attached.	
1.9	Proposal to acquire land	Not Applicable	
	a. Left side from the center line	Not Applicable	
	b. Right side from the center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not be acquired. If not then, where to lay the pipeline	Yes	
1.11	Details of already laid service, if any, along the proposed route.	No cable/pipeline visible	
1.12	Number of existing lanes. (2/4/6/8 lanes)	4 Lanes	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	No	
1.14	Service road existing or not if yes then which side	Service Road exists on both sides as shown in the drawing.	
	a. Left side from center line	10m	
	b. Right side from center line	10m	
1.15	Proposed service road	No	
	a. Left side from center line	NA	
	b. Right side from center line	NA	


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EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
1.16	Whether proposal to lay Under Ground Water Pipeline is after the service road or between the service road and main carriage way	After the service road	
1.17	Whether carrying of sewage / Under Ground Water Pipeline has been proposed on Highway bridges. If yes, then mention the methodology proposed for the same.	No	
1.18	Whether carrying of sewage / Under Ground Water Pipeline has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	No	
1.19	If crossing 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 owing the line.	Yes	
	a) Whether existing drainage structures are allowed to carry sewage/ Under Ground Water Pipeline.	No	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the sewage / Under Ground Water Pipeline? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	More than 15m	
	d) The casing pipe (or conduit pipe in the case of electric cable) 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. Mention type of casing	Yes	

[Signature]
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

[Signature]
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	f) The casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	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 0.3m below the drain inverts. Mention the proposed details.	Yes	
	h) Mention the methodology proposed for crossing of road for the proposed Sewage/Gas pipeline. Crossing shall be by boring method (HDD) (Trenchless Technology), specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	BY HDD method as shown in the drawing.	
	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 water way along it.	Yes	
2	Document/ Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (is it of normal size of 1.2m deep x 1m wide) i) Should not be greater than 60cm wider than the outer diameter of the pipe. ii) Located as close to the extreme edge of the right of way as possible but not less than 15 meter from the center lines of the nearest carriage way. 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. 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 road land.	Drawing Enclosed	

H. Tan VP
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
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[Signature]
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
2.2	Cross section showing the size of pit at location of Under Ground Water Pipeline for HDD method	Drawing Enclosed	
2.3	Strip plan/ Route plan showing the pipe, chainage, width to ROW distance of proposed Under Ground Water Pipeline from the edge of ROW, importance mile stone interaction cross drainage works etc.	Yes, Enclosed	
2.4	Methodology for laying of Under Ground Water Pipeline	HDD method	
2.4.1	Open trenching method, (May be allowed in utility corridor only where pavement is neither cement concrete nr dense bituminous concrete type. If yes, methodology of refilling of trench	Along the RoW in the Utility Corridor.	
	a) The trench width should be at least 30 cm, but not more than 60 cm wider than the other outer diameter of the pipe	Yes	
	b) For filling of the trench, bedding shall to be a depth of not less than 30 cm. It shall consists of granular material, free of lumps, clods and cobbles and graded to yield firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes	
	c) 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 side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and control 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 are ponding will not be permitted.	Yes	

h. t. k. p.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

m. a. y.
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
	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.	Will be followed as SOP	
	g) If required, diversions shall be constructed at the expense of agency owning the utility line.	Will be followed	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	
2.4.3	Laying of Under Ground Water Pipeline through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	
3	Draft license agreement signed by two witnesses	Yes, enclosed with proposal	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs50/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the pipelines/ducts 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. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.	An undertaking furnished	
4.1	Performance BG as per above is to be obtained.	To be obtained	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	To be obtained at the time of execution of Agreement.	
5	Affidavit / undertaking from the applicant for		
5.1	Not damage to then utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, Enclosed.	
5.2	Renewal of Bank Guarantee	Will be done if necessary	

M. Jay
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR,

B. N. Jay
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR


S.NO	ITEM	Information /Status	Remarks
5.3	Confirming all standard condition of NHA I or to the concerned agency	Yes, enclosed	
5.4	Shifting of Pipeline as and when required by NHA I at their own cost	Yes, enclosed	
5.5	Shifting due to 4 lanning widening of NH	Yes, enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	NA	
5.7	Traffic movement during laying of cable to be managed by the applicant	Yes, enclosed	
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 NH shall be obtained before undertaking any work of installation, shifting of repair or alteration to the underground utilities located in the NH right of ways.	Yes	
5.10	Expenditure, if any, incurred by NHA I for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Under Ground Water Pipeline will be borne by the agency owning the line.	Yes	
5.11	If the NHA I considers 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 NHA I at the cost of the agency owning the utility line within a reasonable time (not exceeded 60 days) of the intimation given.	Yes	
5.12	<p>Certificate from the applicant in the following format.</p> <p>(i) Laying of Under Ground Water Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</p> <p>(ii) For 6-lanning "We do undertake that I will relocate service road / approach road/ utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHA I for future 6-lanning or any other development"</p>	Yes	


PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR


S.NO	ITEM	Information /Status	Remarks
6	Who will sign the agreement on behalf of Under Ground Water Pipeline agency	The Executive Engineer, TWAD Board, Rural Water Supply Division, Thanjavur	
7	Certificate from the project Director	Yes	
7.1	Certificate for confirming of all standard condition issued vide 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-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 & RW-NH/33024/29/2015/ S&R(R) dt. 22.11.2016	Undertaking enclosed	
7.2	Certificate from PD in the following format	Yes	
	<p>(i) "It is certified that any other location of the Under Ground Water Pipeline would be extremely difficult and unreasonable costly and the installation of pipeline within ROW will not adversely affect the design, stability & traffic safety of thee highway nor the likely future improvement such as widening of the carriageway, easing of curve etc."</p> <p>(ii) For 4- lanning</p> <p>a) Where feasibility is available do certify that there will be no hindrances to proposed for lanning based on the feasibility report considering proposed structures at the said location.</p> <p>b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed 4 lanning</p>	Yes	


PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR,


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

S.NO	ITEM	Information /Status	Remarks
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 high way on which licensee has been granted the right to lay pipeline/cable/duct has also been granted as a to be inserted in the agreement "The permitted highway on which licensee has been granted the right to lay pipeline/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 Kmof NHAI No. On BOT basis] and therefore, the licensee shall honor the same"	NA	
9	Who will supervise the work of laying of Under Ground Water Pipeline	Consultants and relevant field Officers of NH.	
	a) On behalf of the Applicant	The Executive Engineer, TWAD Board, Rural Water Supply Division, Thanjavur	
	b) On behalf of MoRTH/NHAI		
10	Who will ensure that the defects in road portion after laying of Under Ground Water Pipeline are corrected and if not corrected than what action will be taken.	Project Director, NHAI. BG will be enclosed. Claim amount will be determined according to the nature and seriousness of damages.	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire	The applicant should pay claims.	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the prescribed Performa (copy enclose).	Yes	
13	If any previous approval is accorded for laying of pipeline/cable then photocopy of register of records of permission accorded as maintained by DE then copy be enclosed	Yes	


PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

PERFORMANCE BANK GUARANTEE

AS PER PARA 6 OF MINISTRY'S GUIDELINES VIDE LETTER REF. F.NO. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

S.NO	CHAINAGE IN KM		SIDE	LENGTH (METERS)	PIPE MATERIAL	QTY	DIA OF THE PIPE		RATE/m	TOTAL
	FROM	TO					mm	m		
I	KM	KM		(L)			D			
1	99.185	100.185	RHS	1000.00	DI	150+150	300	0.300	100.00	100000.00
2	100.185	100.265	RHS	80.00	DI	1	250	0.250	100.00	8000.00
3	101.705	101.843	RHS	138.00	HDPE	1	90	0.090	100.00	13800.00
4	101.719	101.923	LHS	204.00	HDPE	1	63	0.063	100.00	20400.00
5	107.165	107.334	RHS	169.00	HDPE	1	63	0.063	100.00	16900.00
6	107.334	107.844	RHS	510.00	HDPE	140+140	280	0.280	100.00	51000.00
7	107.844	108.173	RHS	329.00	HDPE	200+110	310	0.310	100.00	32900.00
8	108.173	108.598	RHS	425.00	HDPE	200+90	290	0.290	100.00	42500.00
9	108.598	109.872	RHS	1274.00	HDPE	200+63	263	0.263	100.00	127400.00
10	109.872	111.558	RHS	1686.00	HDPE	200	200	0.200	100.00	168600.00
	111.558	111.616	RHS	58.00	DI/HDPE	300+140	440	0.440	250.00	14500.00
11	111.616	113.144	RHS	1528.00	DI	300	300	0.300	100.00	152800.00
12	113.144	113.795	RHS	651.00	DI/HDPE	300+63	363	0.363	100.00	65100.00
13	113.795	114.525	RHS	730.00	DI/HDPE	300+110	410	0.410	250.00	182500.00
14	114.525	114.800	RHS	275.00	DI/HDPE	150+110	260	0.260	100.00	27500.00
15	114.800	115.788	RHS	988.00	HDPE	90	90	0.090	100.00	98800.00
16	112.622	114.469	LHS	1847.00	HDPE	75	75	0.075	100.00	184700.00
17	114.469	114.800	LHS	331.00	HDPE	110	110	0.110	100.00	33100.00
18	114.800	115.168	LHS	368.00	HDPE	63	63	0.063	100.00	36800.00
				12591.00					TOTAL	1377300.00
II	CROSSINGS AT									
1	KM 99.185			60.00	MS		600	0.60		1,00,000.00
2	KM 101.843			60.00	MS		150	0.15		1,00,000.00
3	KM 107.340			60.00	MS		150	0.15		1,00,000.00
4	KM 109/872			60.00	MS		150	0.15		1,00,000.00
5	KM 111.558			60.00	MS		600	0.60		1,00,000.00
6	KM 114.800			60.00	MS		250	0.25		1,00,000.00
	TOTAL (FOR CROSSINGS)			360.00						6,00,000.00

GRAND TOTAL 1977300.00

(RUPEES NINETEEN LAKHS SEVENTY SEVEN THOUSAND AND THREE HUNDRED ONLY)

Note:

Provided in the ducts already provided

<= 300mm dia/width

Rs. 100.00

>= 300mm dia/width but <= 1000mm

Rs. 250.00

> 1000mm dia/width

Rs. 500.00

Utility services such as towers etc Rate in Rs/Sq.m)

Rs. 50.00



தமிழ்நாடு தமில்நாடு TAMIL NADU ரிச.கா.பி.யி.சி 21AC 774667
0.05.2023 EXECUTIVE ENGINEER S. தாட்சாயினி,
TWAD BOARD RWS (S. DHATCHAYINI)
DIVISION STAMP VENDOR
THANJAVUR L. No: 928/அ.1/2021-4
10 C, SBI Road, Coimbatore - 18.

INDEMNITY BOND

Name of the Work: Laying of Under Ground water pipe line along the Right of Way of NH 67 (New No. NH 83) from Km 99/185 to Km 100/185 of Dia. 150mm DI pipe (2 Nos.), from Km 100/185 to Km 100/265 of dia. 250mm DI pipe, from Km 101/705 to Km 101/843 of dia. 90mm HDPE pipe, from Km 107/165 to Km 107/334 of dia. 63mm HDPE pipe, from Km 107/334 to Km 107/844 of dia. 140mm HDPE pipe (2 Nos.), from Km 107/844 to Km 108/173 of dia. 200mm & 110mm HDPE pipe, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm HDPE pipe, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm HDPE pipe, from Km 109/872 to Km 111/558 of dia. 200mm HDPE pipe, from Km 111/558 to Km 111/616 of dia. 300mm DI pipe & 140mm HDPE pipe, from Km 111/616 to Km 113/144 of dia. 300mm DI pipe, from Km 113/144 to Km 113/795 of dia. 300mm DI pipe & 63mm HDPE pipe, from Km 113/795 to Km 114/525 of dia. 300mm DI pipe & dia. 110mm HDPE pipe, Km 114/525 to Km 114/800 of dia. 150mm DI pipe & 110mm HDPE pipe and from Km 114/800 to Km 115/788 of dia. 90mm HDPE pipe on the RHS, from Km 101/719 to Km 101/923 of dia. 63mm HDPE pipe, from Km 112/622 to Km 114/469 of dia. 75mm HDPE pipe, from Km 114/469 to Km 114/800 of dia. 110mm HDPE pipe and from Km 114/800 to Km 115/168 of dia. 63mm HDPE pipe on the LHS and across the NH with MS casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, dia. 150mm at Km 101/843, Km 107/340 & at Km 109/872 respectively and dia. 250mm at Km 114/800 across the NH 67 (New No. NH 83) of Thanjavur to Trichy Section, Thanjavur District, Tamil Nadu.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

Indemnity against all damages and claims as per SI.NO.5.6 of Checklist

We, Tamil Nadu Water Supply & Drainage Board (TWAD Board), Rural Water Supply Division, Thanjavur, do hereby indemnify the Project Director, PIU, National Highways Authority of India, Thanjavur, binding ourselves to pay all the losses and claims in respect of laying of water pipeline along and across the National Highways NH 83 land on RHS between Km 99/185 to Km 100/265 (1080m), Km 101/705 to Km 101/138 (138m), Km 107/165 to Km 115/788 (8623m), on LHS between Km 101/719 to Km 101/923 (204m), Km 112/622 to Km 115/168 (2546m) by Trenchless method and crossings at Km 99/185, Km 101/843, Km 107/340, Km 109/872, Km 111/558 and at Km 114/800 by HDD method in the state of Tamil Nadu or maintenance thereof and against all claims proceeding damages, cost, charges and expenses whatsoever in respect thereof in relation there to failing such payments of claims in the above work we abide in accepting of such claims affected from any of our assets.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR


$$T_{m_{24}}$$
$$T_{m_{24}}$$

SHEET 3 (KM 107/165 - 109/000 = 1835m)

CONSULTANT:
MEIY CONSULTANCY SERVICES
12/A/81, Rathinam Street,
Colombatore - 641001
Mobile No. 93601 07117
Email: Meiyconsultancy@gmail.com

RIGHT OF WAY
UG WATER PIPE LINE (PUMPING LINE)
UG WATER PIPE LINE (FEEDER LINE)

SCALE - 1:2500

**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

H. J. G.

ROUTE PLAN SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH83) FROM KM 109/000 TO KM 111/000

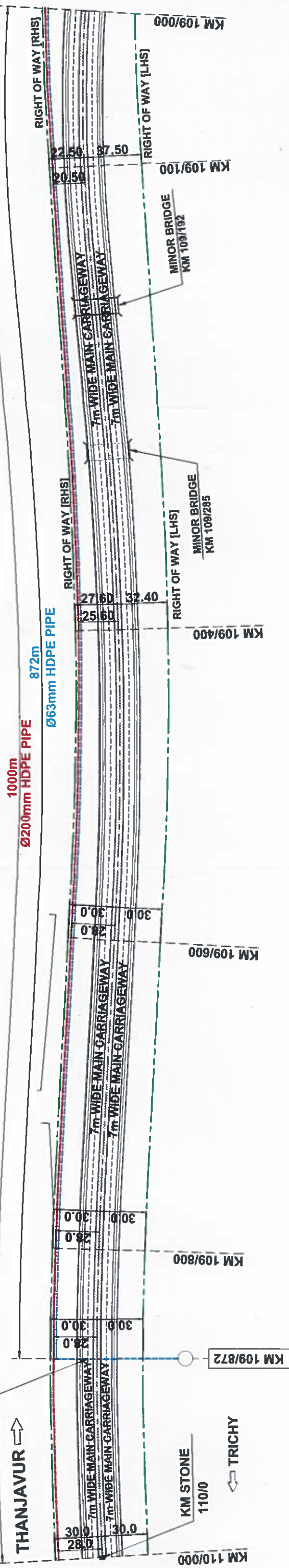
AND CROSSING AT KM 109/872 IN THANJAVUR DISTRICT, TAMIL NADU.

THANJAVUR →

CROSSING AT KM 109/872
Ø50mm - GI PIPE
IN Ø150mm CASING PIPE

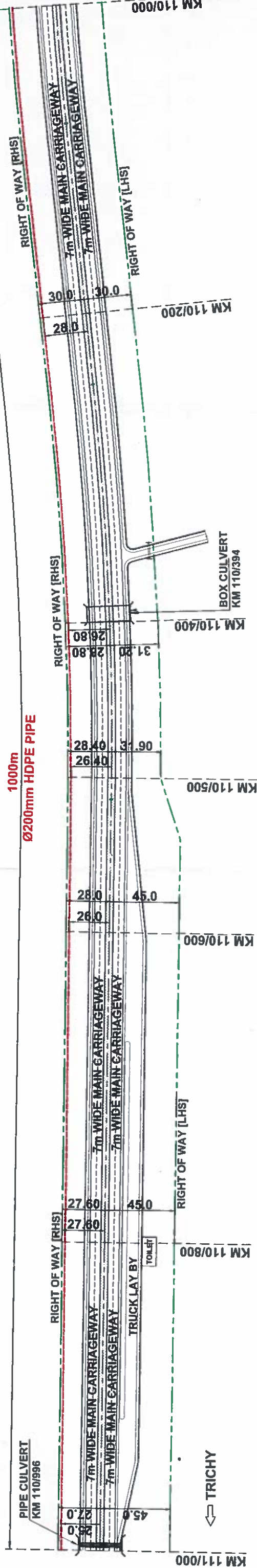
THANJAVUR →

→ TRICHY



THANJAVUR →

→ TRICHY



ROUTE PLAN

SCALE - 1:2500

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

APPLICANT'S SIGNATURE

EXCUTIVE ENGINEER
T.W.D. BOARD RWS. DIVISION
THANJAVUR

CONSULTANT:

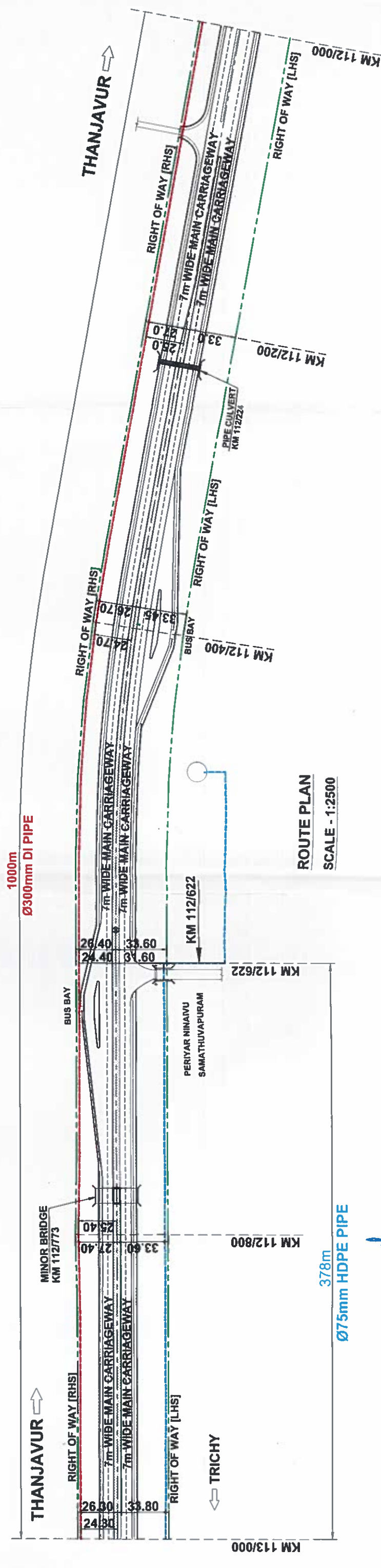
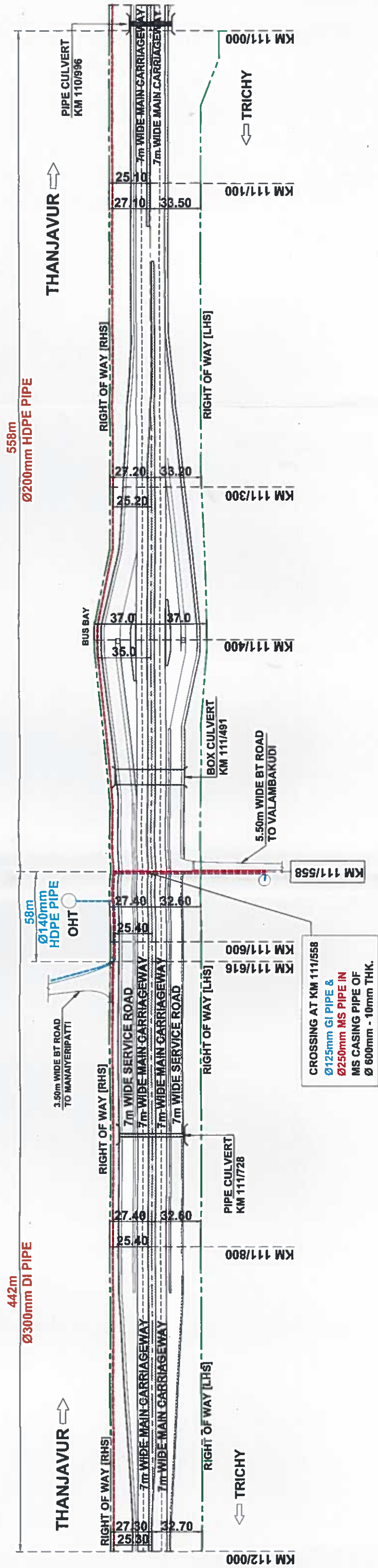
MEIY CONSULTANCY SERVICES
12W81, Rathinam Street,
Coimbatore - 641001
Mobile No. 93601 07117
Email: Meiyc consultancy@gmail.com

RIGHT OF WAY

UG WATER PIPE LINE (PUMPING LINE)

UG WATER PIPE LINE (FEEDER LINE)

ROUTE PLAN SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH83) FROM KM 111/000 TO KM 113/000
AND CROSSING AT KM 111/558 IN THANJAVUR DISTRICT, TAMIL NADU.



ROUTE PLAN
SCALE - 1:2500

APPLICANT'S SIGNATURE

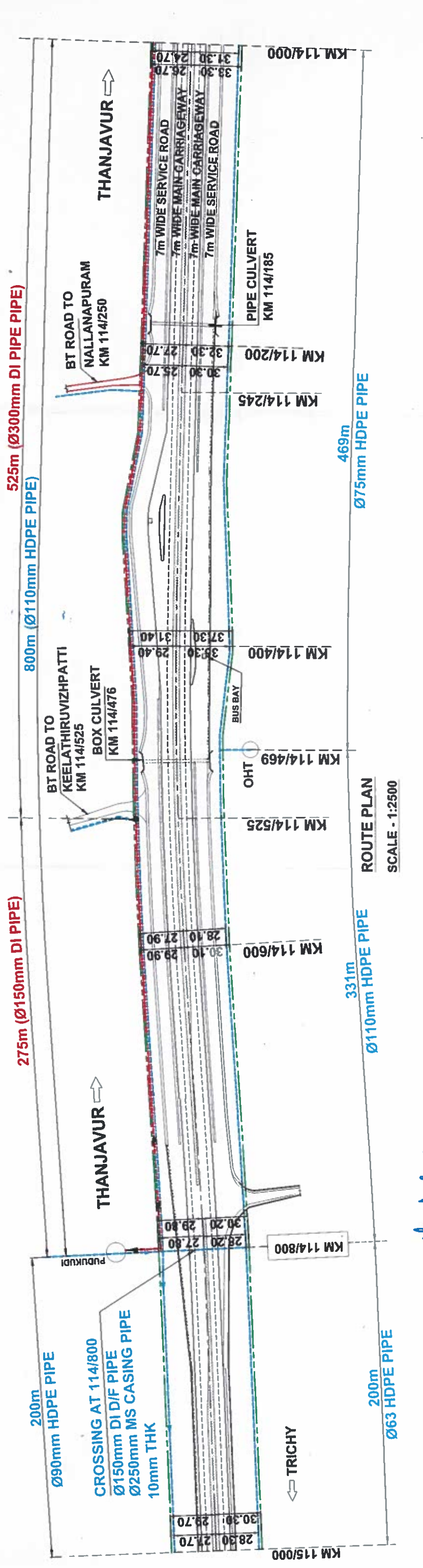
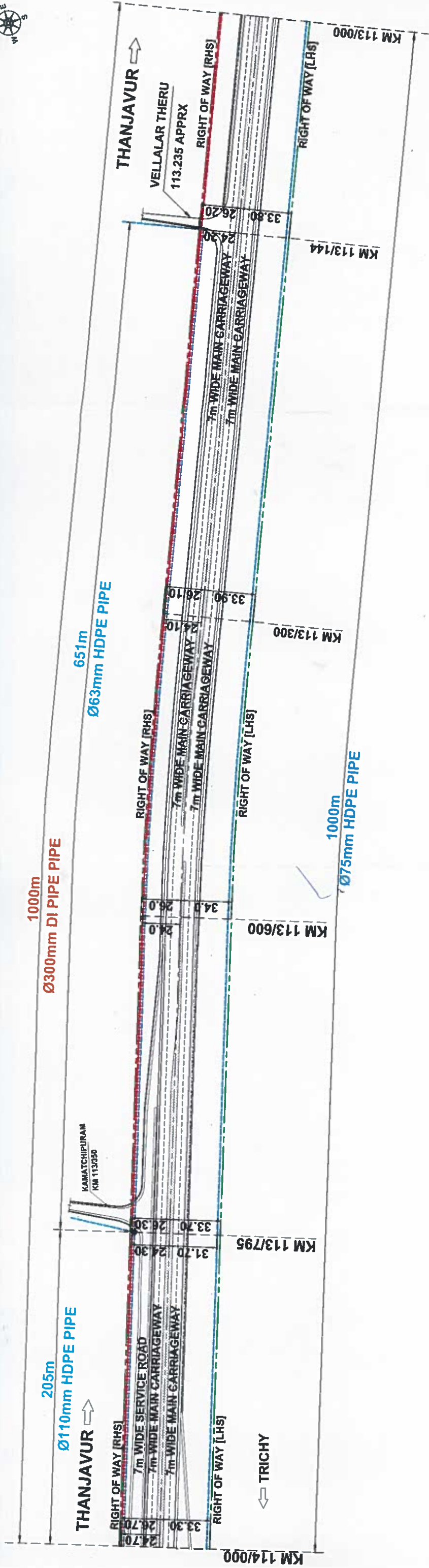
EXECUTIVE ENGINEER
T.W.D. BOARD RWS. DIVISION
THANJAVUR

KM 111/000 - 113/000 = 2000m (RHS)
KM 112/622 - 113/000 = 378m (LHS)
CROSSING - KM 111/558 = 60m
SHEET 5 (KM 111/000 - 113/000 = 2.00 Km)

CONSULTANT:
MEIY CONSULTANCY SERVICES
12W81, Rathinam Street,
Coimbatore - 641001
Mobile No. 93601 07117
Email: Meiyc consultancy@gmail.com

RIGHT OF WAY
UG WATER PIPE LINE (PUMPING LINE)
UG WATER PIPE LINE (FEEDER LINE)

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR



PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

- RIGHT OF WAY
- UG WATER PIPE LINE (PUMPING LINE)
- UG WATER PIPE LINE (FEEDER LINE)

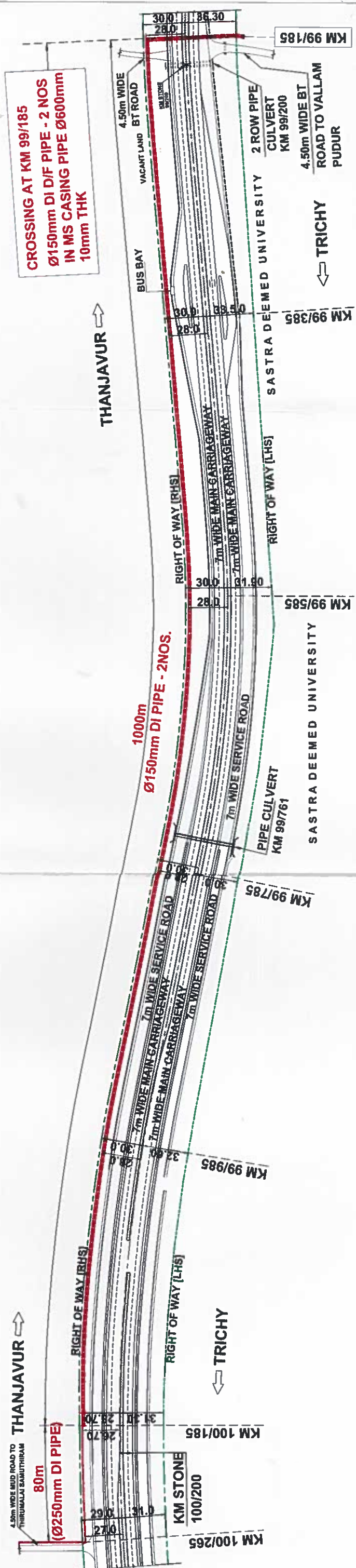
CONSULTANT:
MEIY CONSULTANCY SERVICES
12/W81, Rathinam Street,
Coimbatore - 641001
Mobile No. 93601 07117
Email: Melyconsultancy@gmail.com

KM 113/000 - 115/000 = 2000m (RHS)
KM 113/000 - 115/000 = 2000m (LHS)
CROSSING - KM 114/800 = 60m
SHEET 6 (KM 113/000 - 115/000 = 2000m)

APPLICANT'S SIGNATURE

EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

ROUTE PLAN SHOWING THE PROPOSED LAYING OF UG WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH83) FROM KM 99/185 TO KM 100/265 ON RHS
AND CROSSING AT KM 99/185 IN THANJAVUR DISTRICT, TAMIL NADU

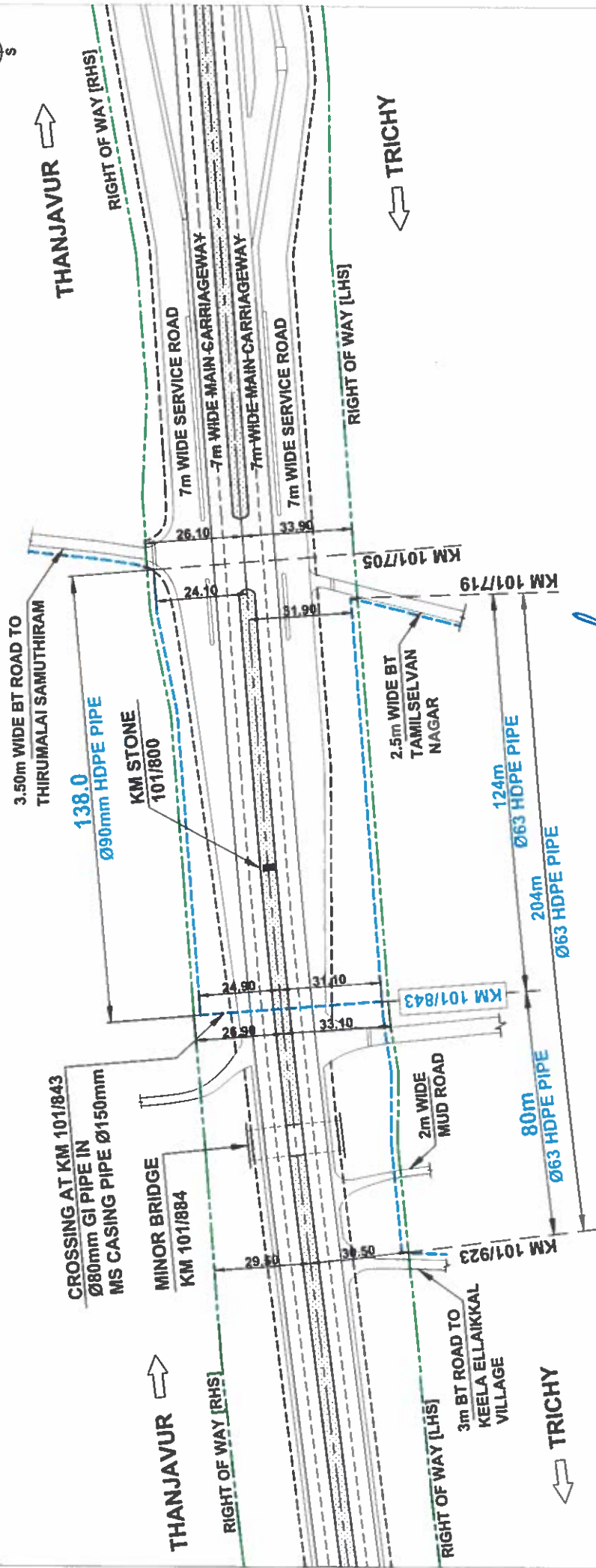
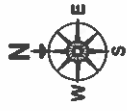


[Signature]
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

APPLICANT'S SIGNATURE <i>[Signature]</i> EXECUTIVE ENGINEER TWAD. BOARD RWS. DIVISION THANJAVUR	
KM 99/185 - KM 100/265 = 1080m - RHS	CROSSING - KM 99/185 = 60m 1140m
CONSULTANT: MEY CONSULTANCY SERVICES 12W81, Rajinam Street, Colombate - 641001 Mobile No. 93601 07117 Email: Meyconsultancy@gmail.com	
SHEET 1 (KM 99/185 - KM 100/265 = 1080m)	

ROUTE PLAN SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH83)

FROM KM 101/705 TO KM 101/843 ON RHS, KM 101/719 TO KM 101/923 ON LHS AND CROSSING AT KM 101/843 IN THANJAVUR DISTRICT, TAMIL NADU



ROUTE PLAN

SCALE - 1:1750

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

KM 101/705 - KM 101/843 = 138m - RHS

KM 101/719 - KM 101/923 = 204m - LHS

342m

CROSSING - KM 101/843 = 60m

402m

SHEET 2 (KM 101/705 - KM 101/923 = 218m)

RIGHT OF WAY

UG WATER PIPE LINE (FEEDER LINE)

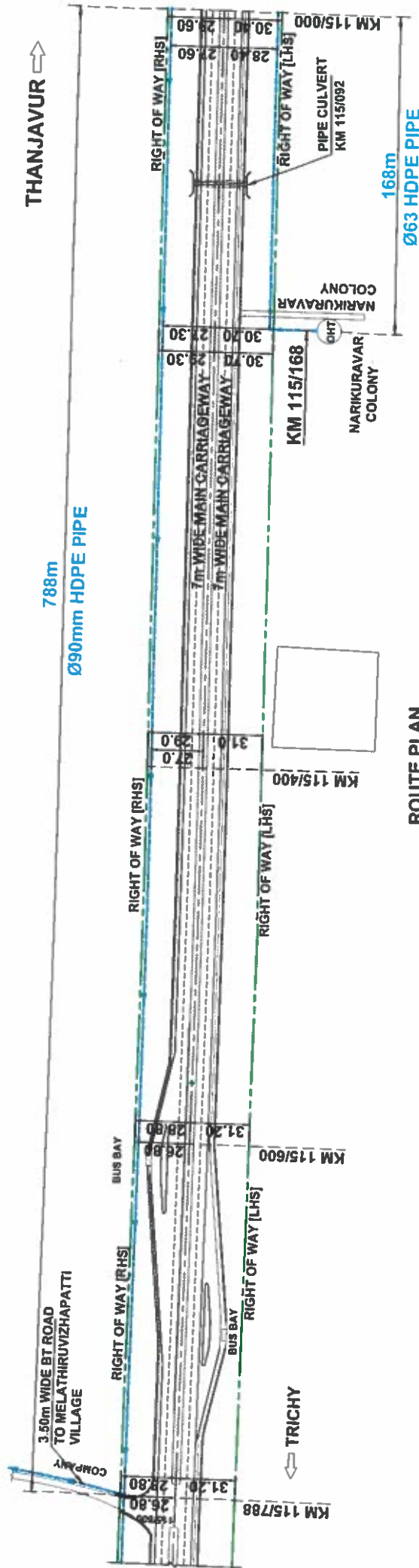
APPLICANT'S SIGNATURE

EXECUTIVE ENGINEER
T.W.A.D. BOARD RWS. DIVISION
THANJAVUR

CONSULTANT:

MEITY CONSULTANCY SERVICES
12/WB1, Rathinam Street,
Coimbatore - 641001
Mobile No. 93601 07117
Email: meityconsultancy@gmail.com

ROUTE PLAN SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH83) FROM KM 115/000 TO KM 115/788 IN THANJAVUR DISTRICT, TAMIL NADU.



ROUTE PLAN

SCALE - 1:3000

H. Subramanian

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

RIGHT OF WAY
UG WATER PIPE LINE (FEEDER LINE)

APPLICANT'S SIGNATURE

[Signature]

EXECUTIVE ENGINEER
T.WAD. BOARD RWS. DIVISION
THANJAVUR

KM 115/000 - 115/788 = 788m (RHS)
KM 115/000 - 115/168 = 168m (LHS)

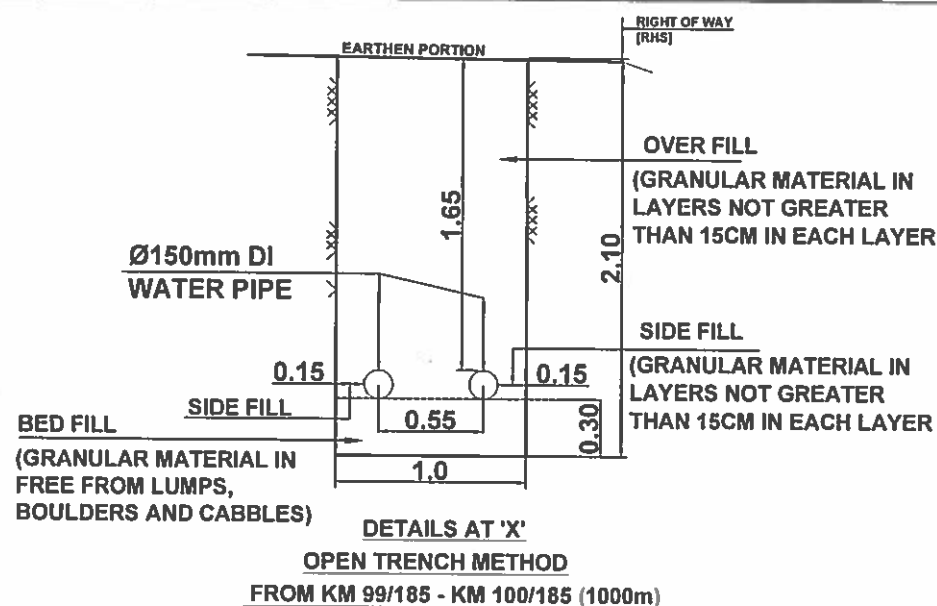
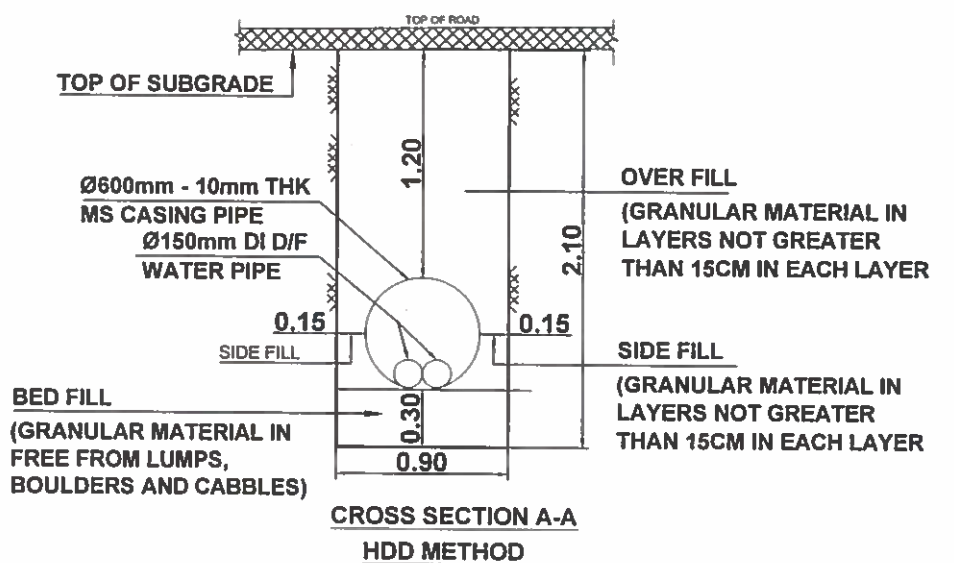
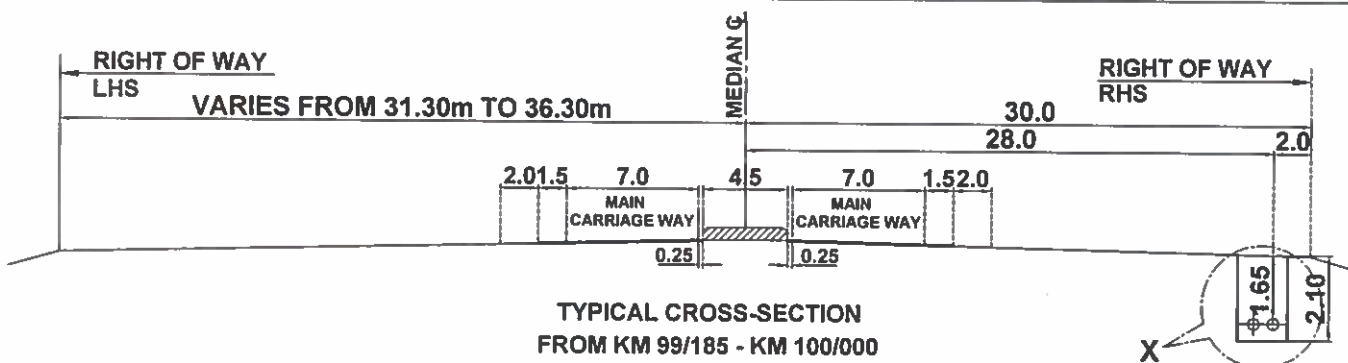
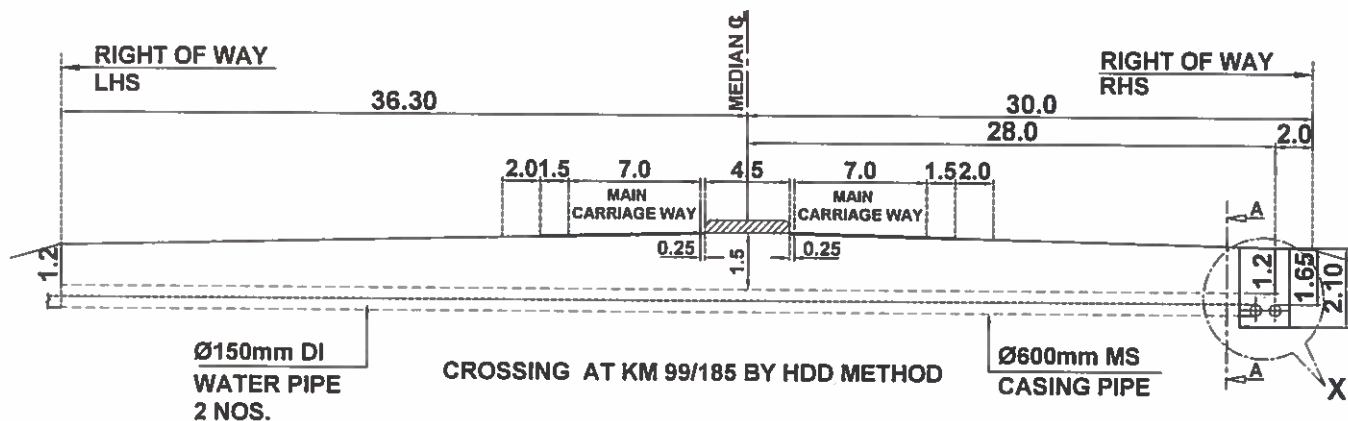
956m

SHEET 7 (KM 115/000 - 115/788 = 788m)

CONSULTANT:

MEIY CONSULTANCY SERVICES
12/9051, Rabinham Street,
Coimbatore - 641001
Mobile No. 93501 07117
Email: meiycsconsultancy@gmail.com

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



M. Paul

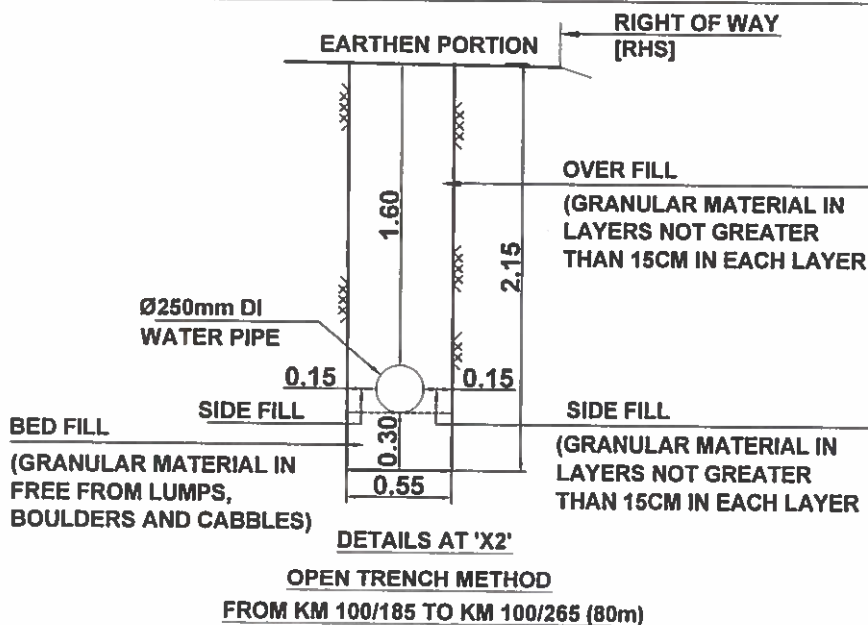
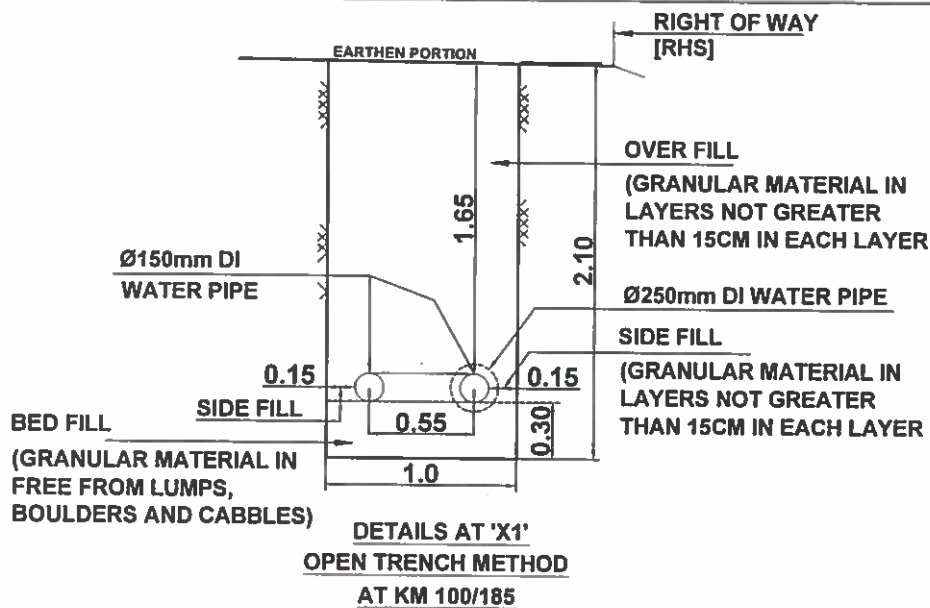
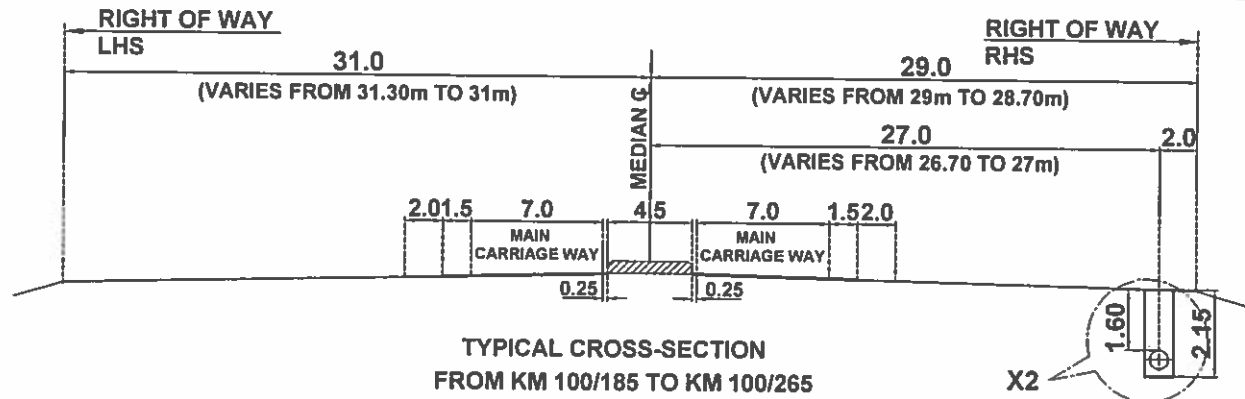
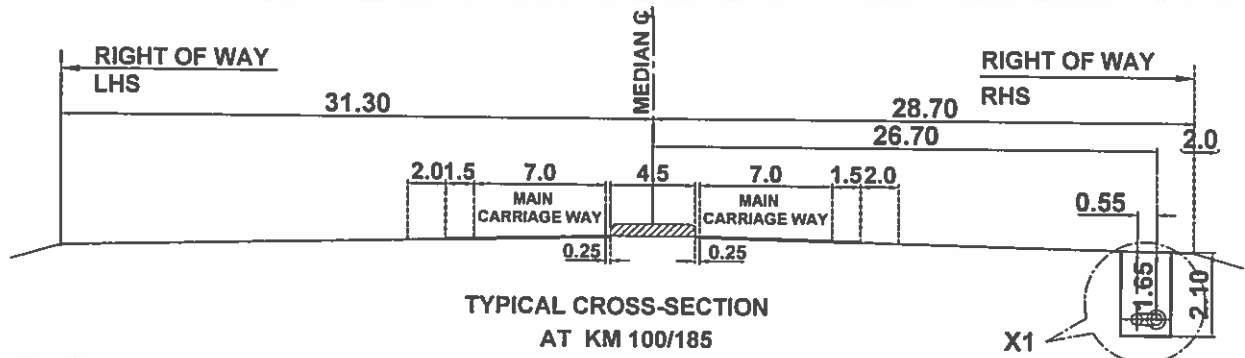
**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

APPLICANT'S SIGNATURE

M. Paul

**EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR**

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)

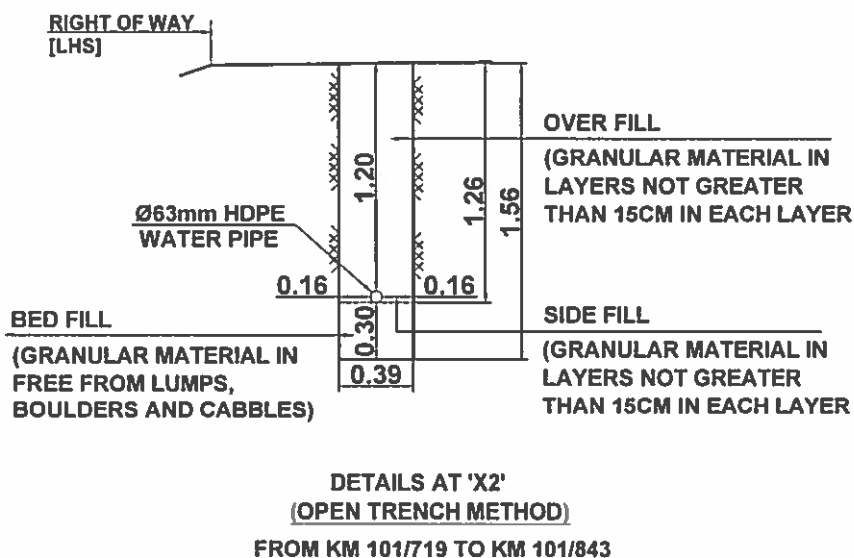
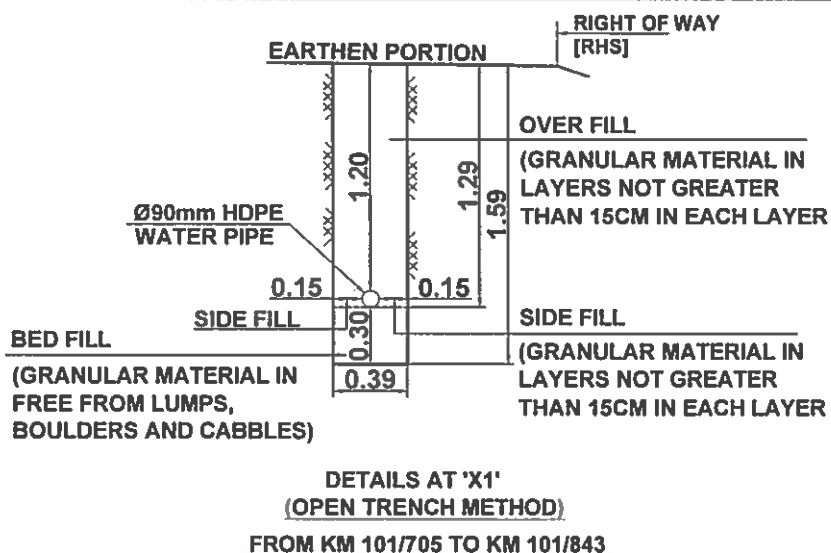
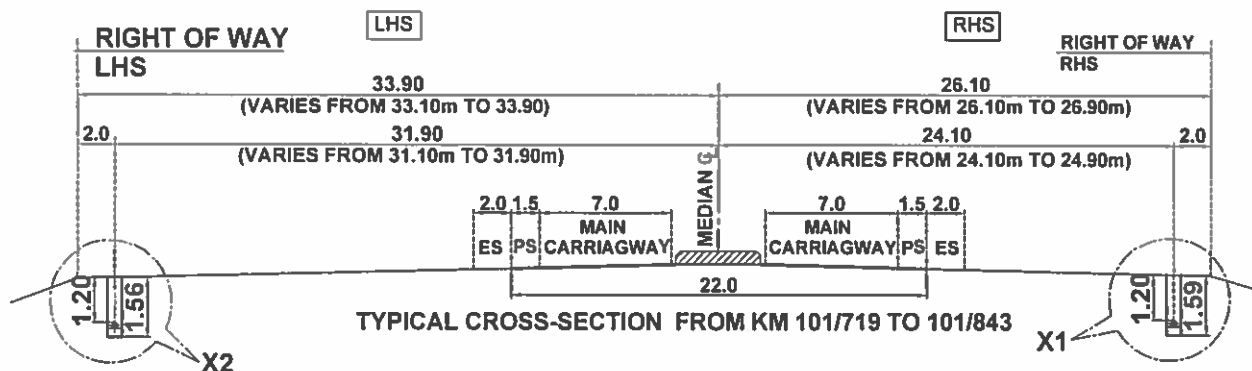
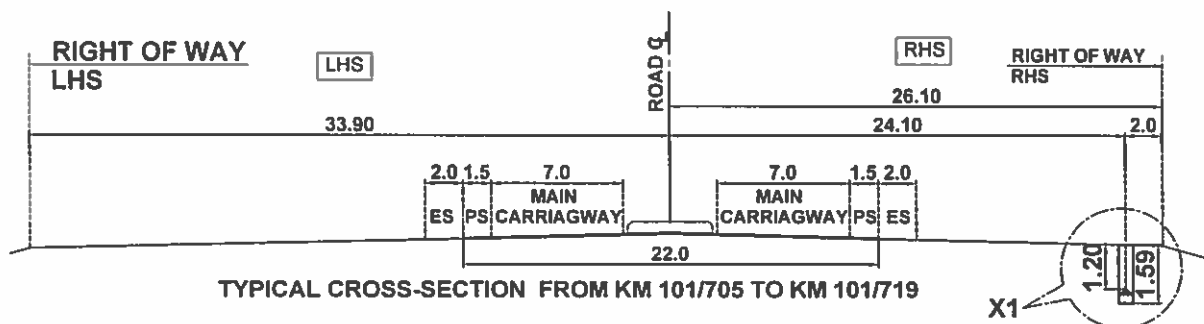


H. J. J. J.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

APPLICANT'S SIGNATURE

m. J. J. J.
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)

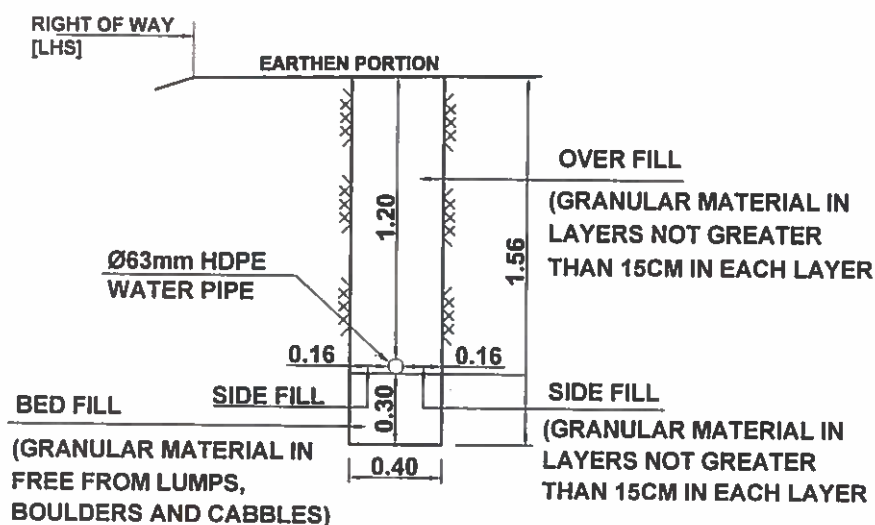
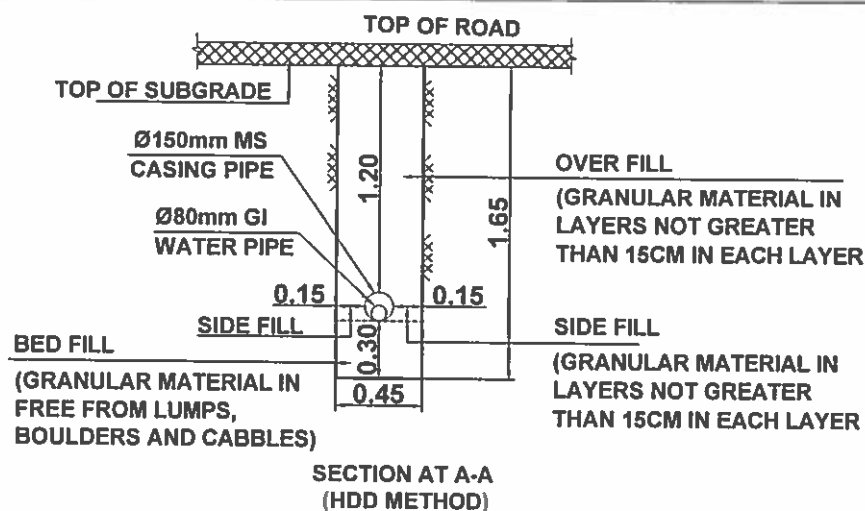
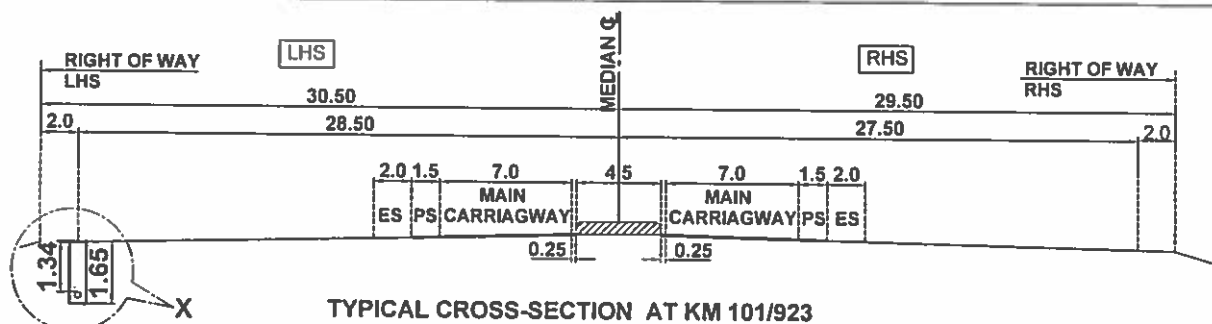
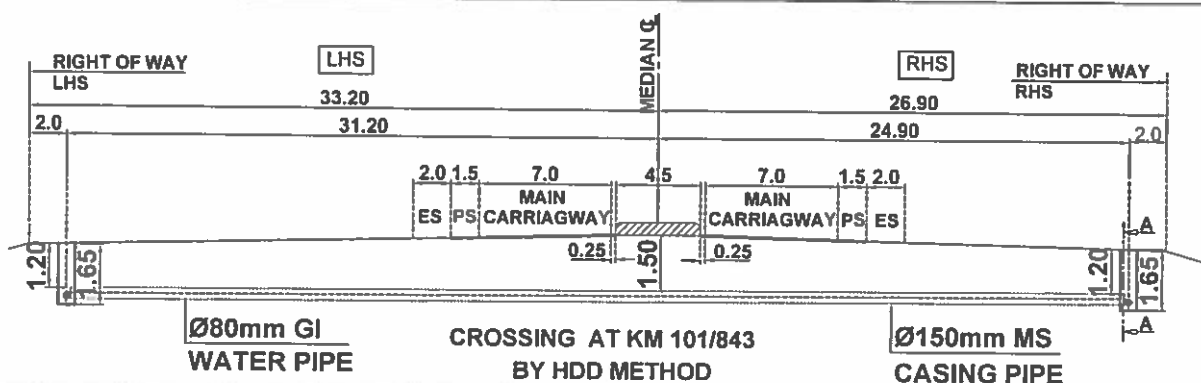


M. J. K. P.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

APPLICANT'S SIGNATURE

M. J. K. P.
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



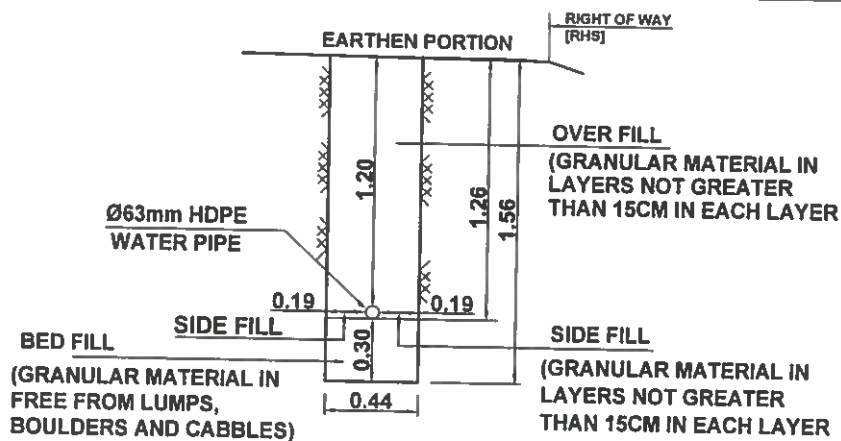
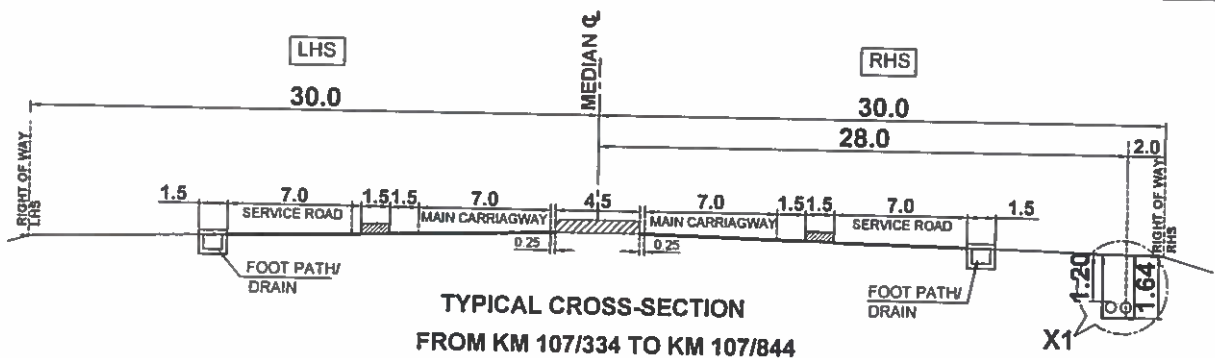
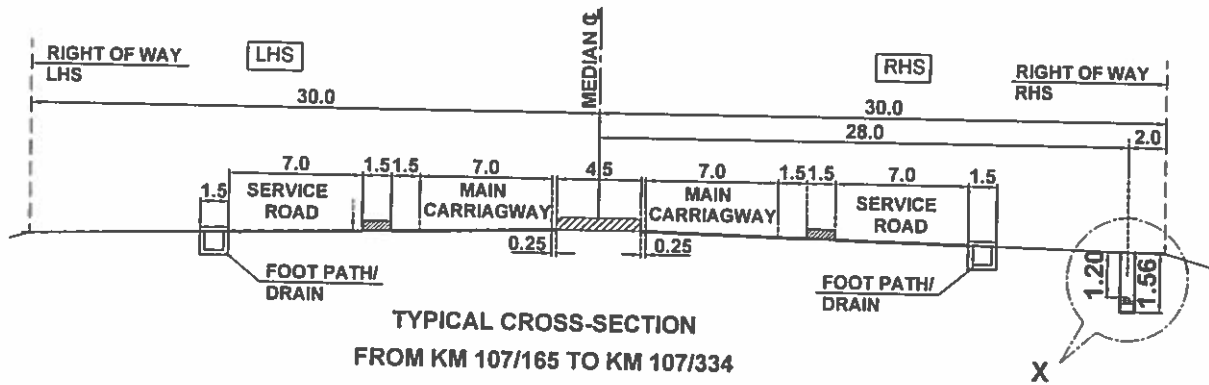
FROM KM 101/719 TO KM 101/923

M. J. ...
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

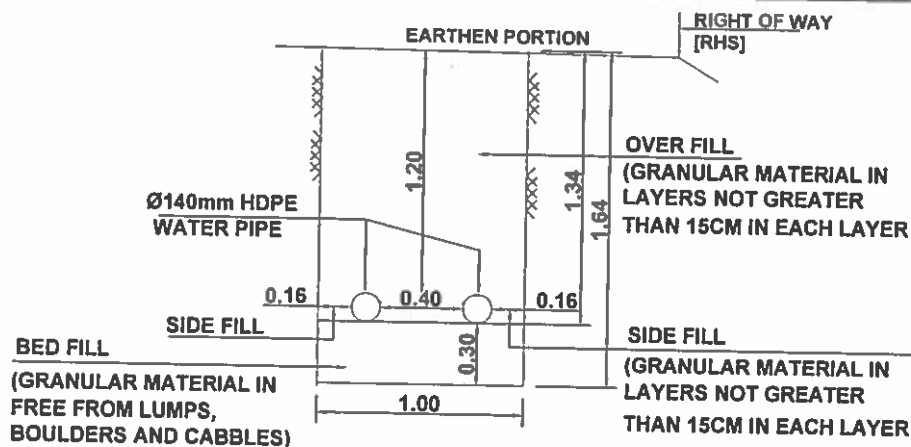
APPLICANT'S SIGNATURE

M. J. ...
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



(OPEN TRENCH METHOD)
ALONG THE ROW ON RHS FROM 107/165 - 107/334 (169m)



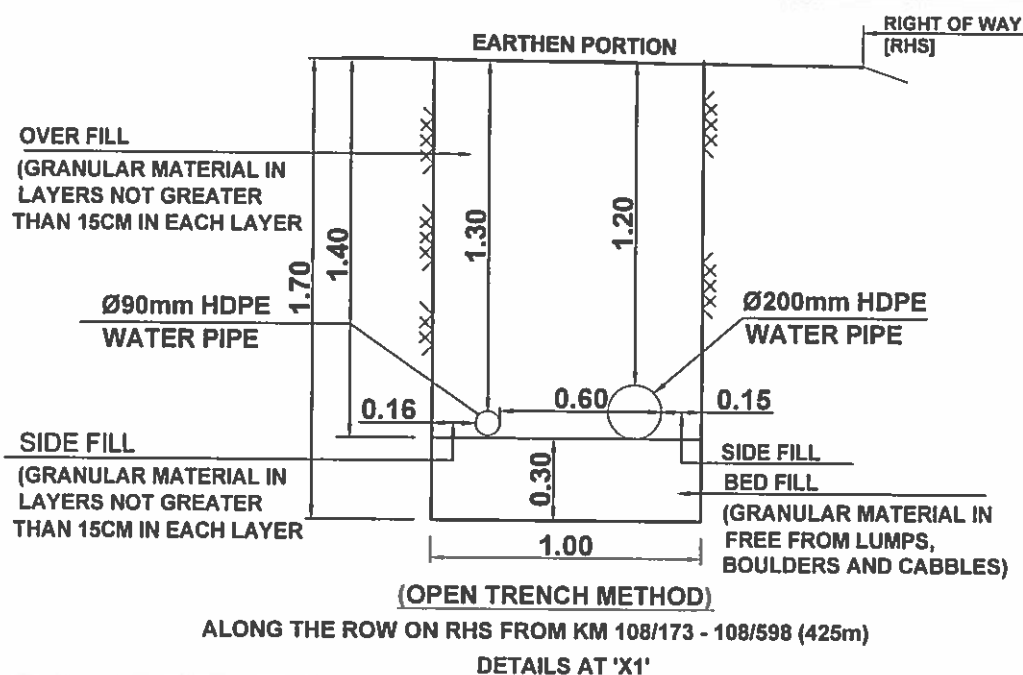
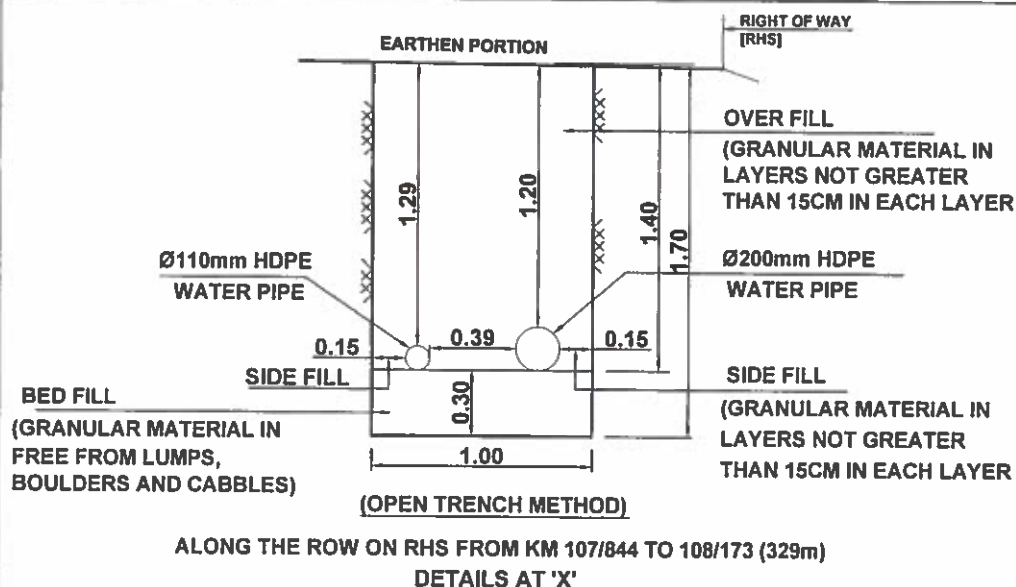
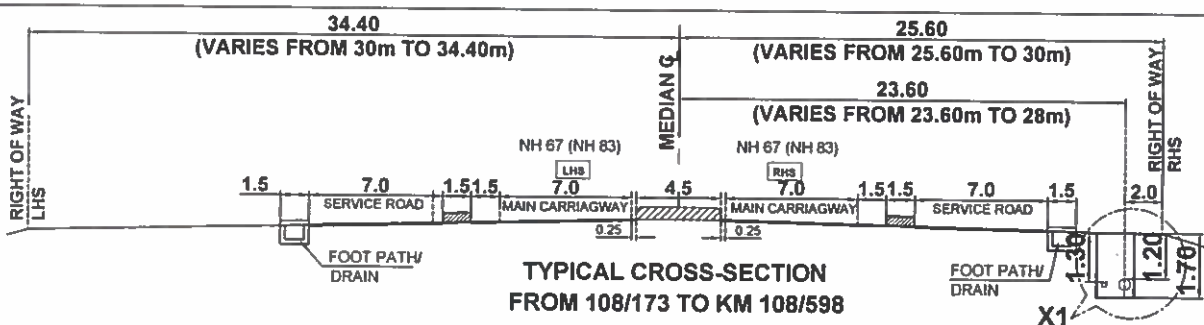
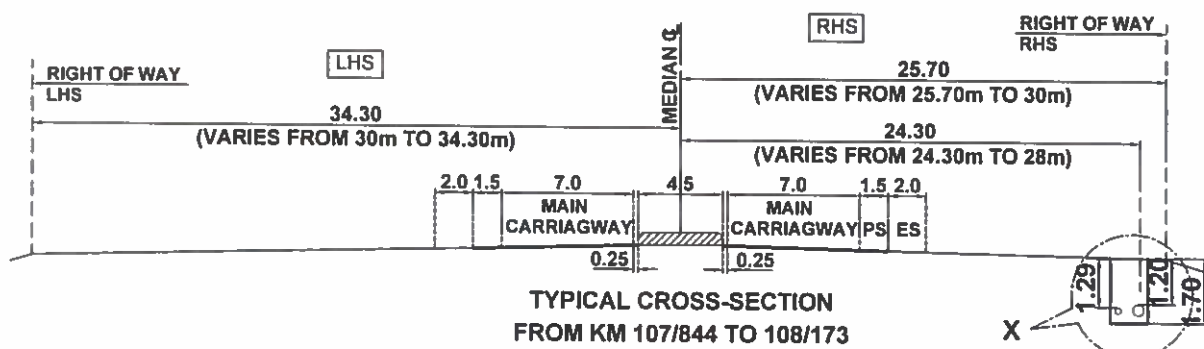
(OPEN TRENCH METHOD)
ALONG THE ROW ON RHS FROM KM 107/334 - 107/844 (510m)

H. J. J.
**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

APPLICANT'S SIGNATURE

[Signature]
**EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR**

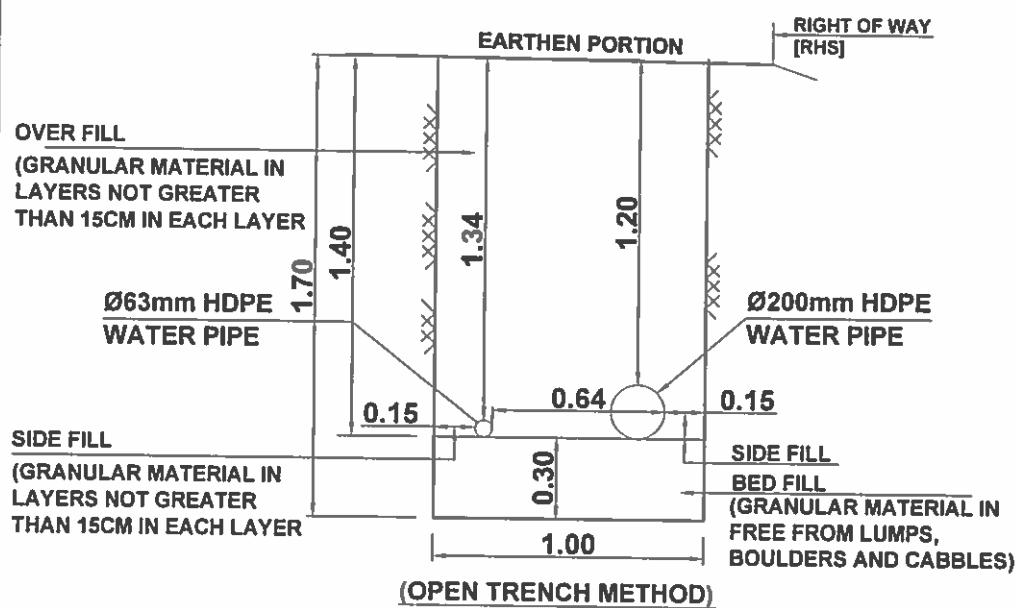
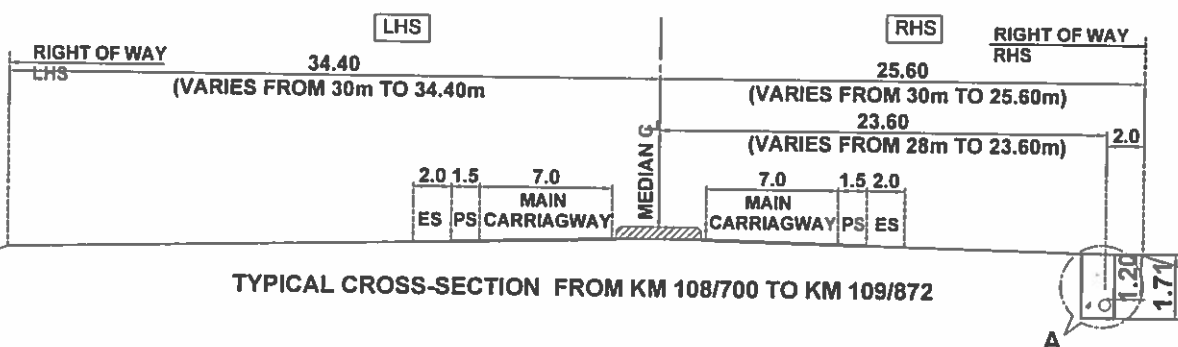
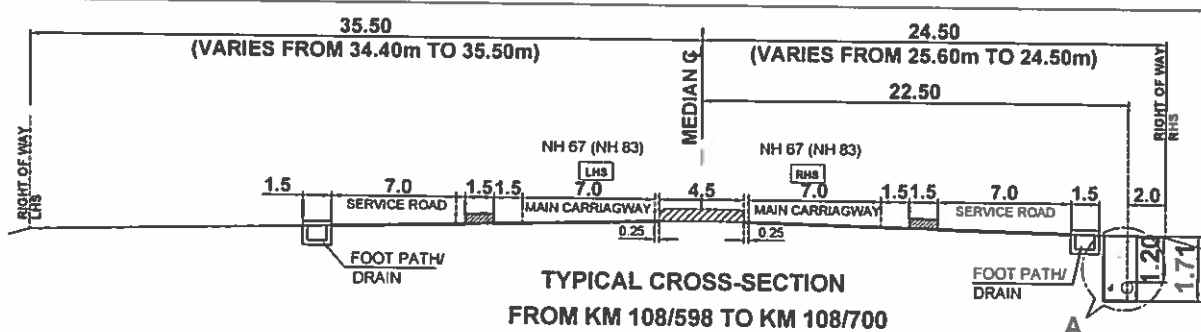
METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



H. J. K.
**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

R. J. K.
**EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR**

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



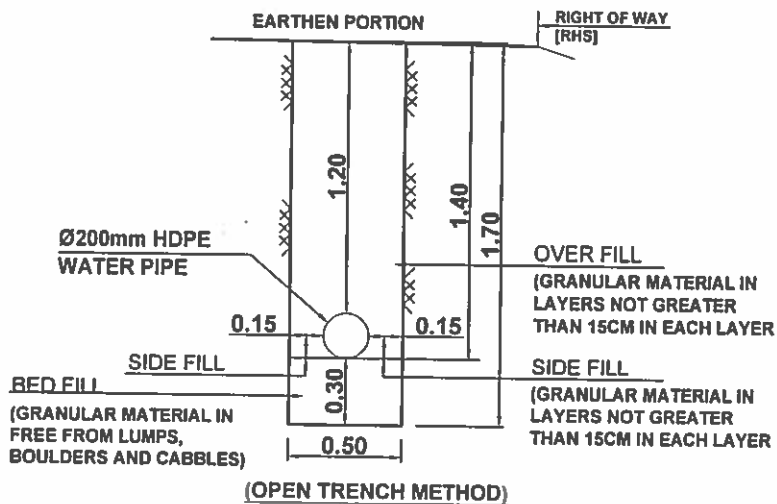
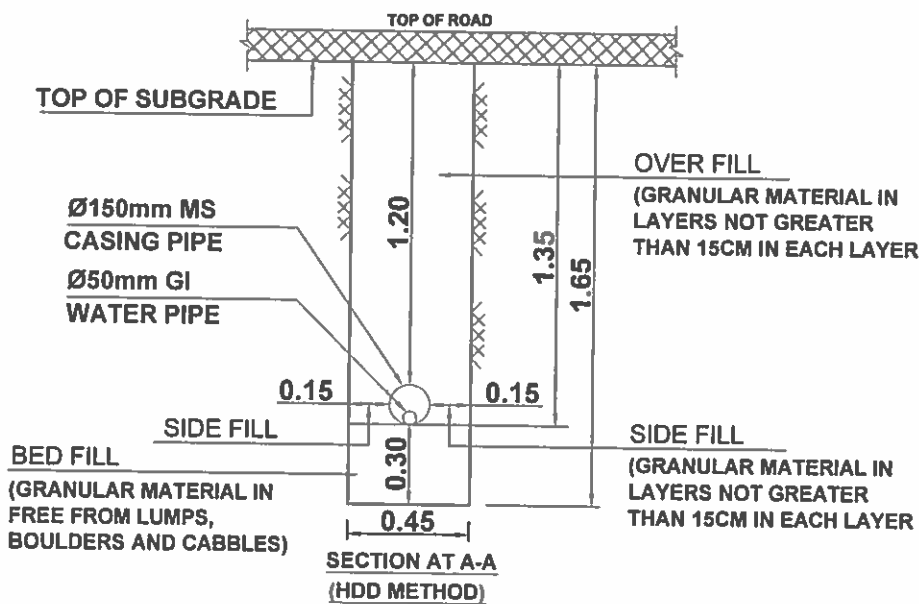
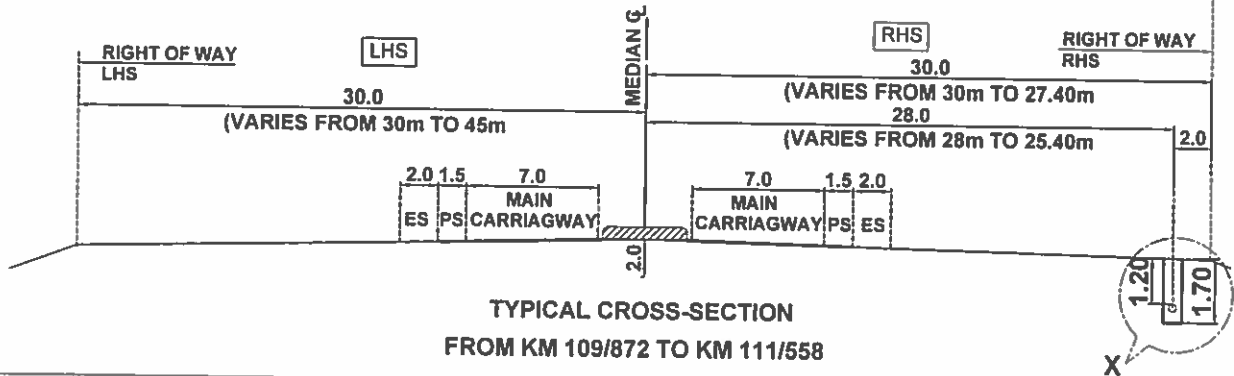
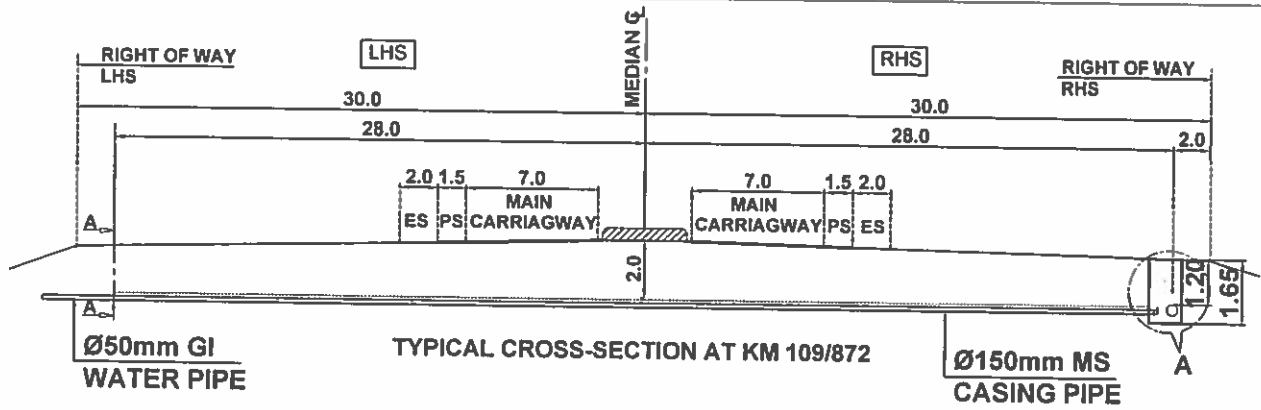
ALONG THE ROW ON THE ROW ON FROM KM 108/598 TO 109/872 (1274m)

DETAILS AT 'A'

**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



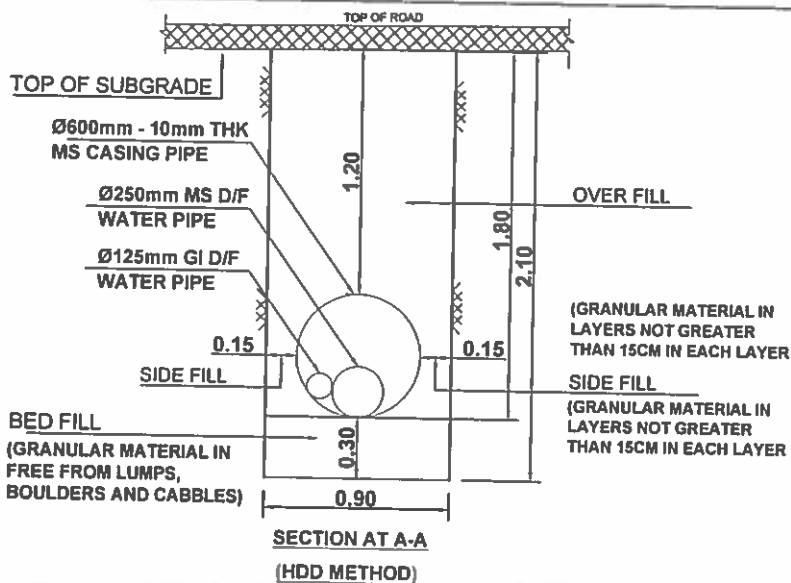
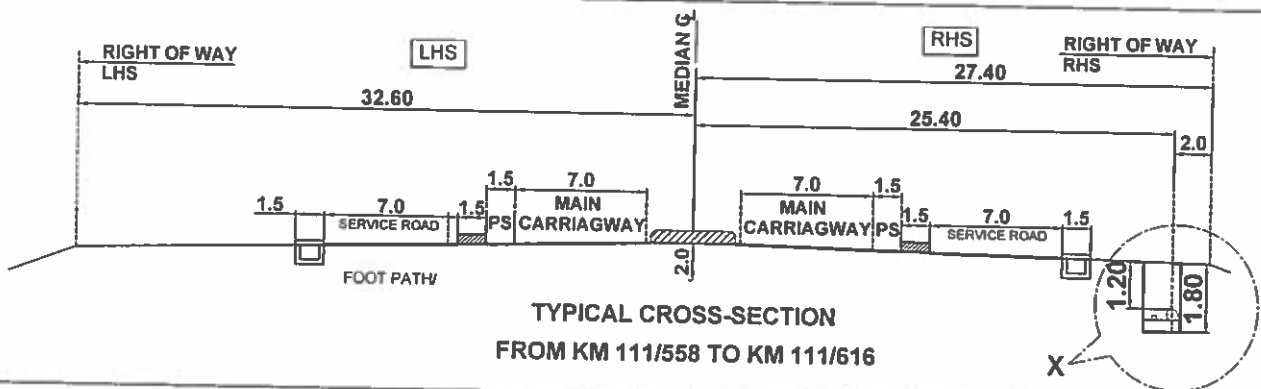
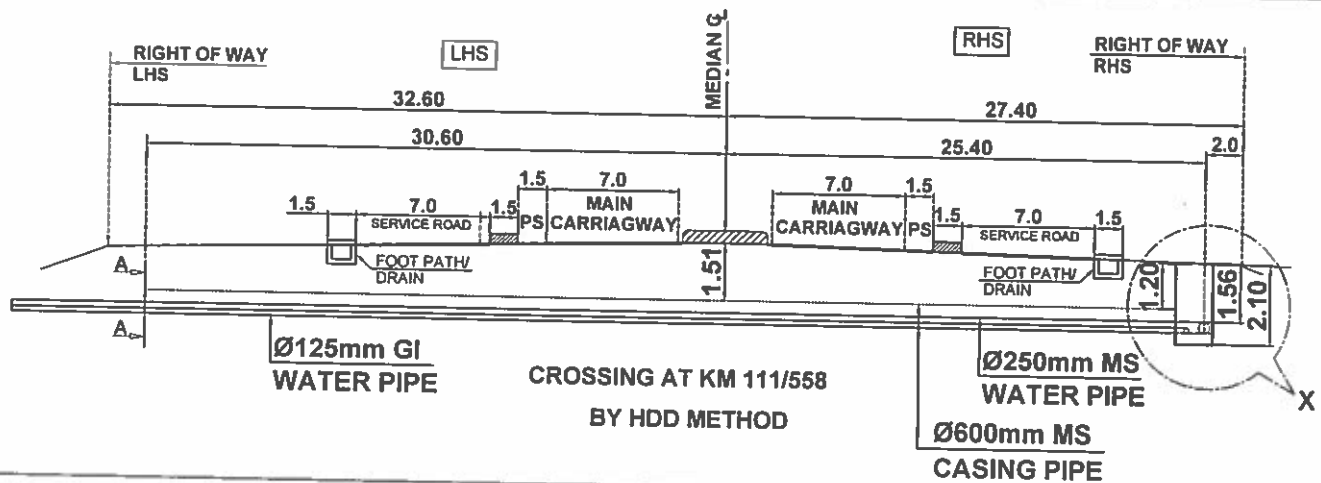
ALONG THE ROW ON RHS FROM KM 109/872 TO 111/558 (1686m)

DETAILS AT X2

M. J. J. J.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

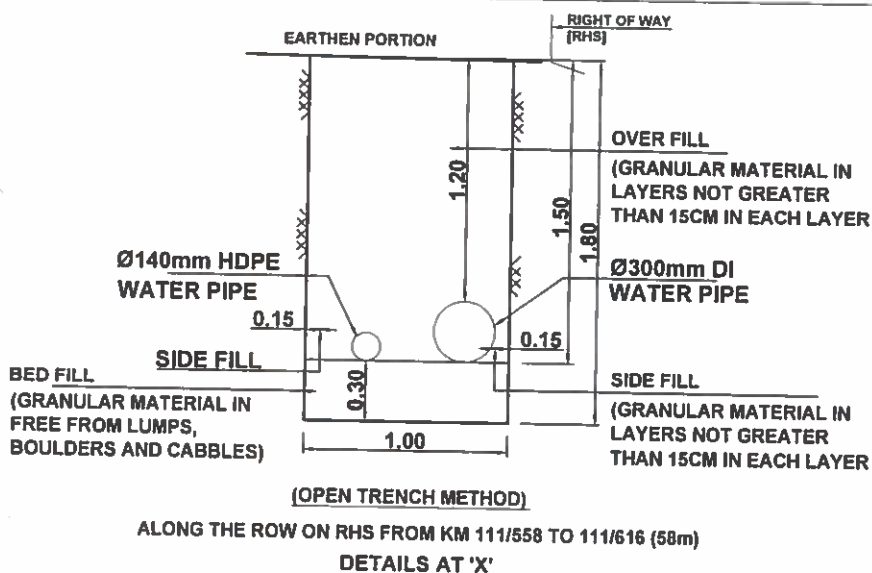
m. j. j. j.
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



H. Pan

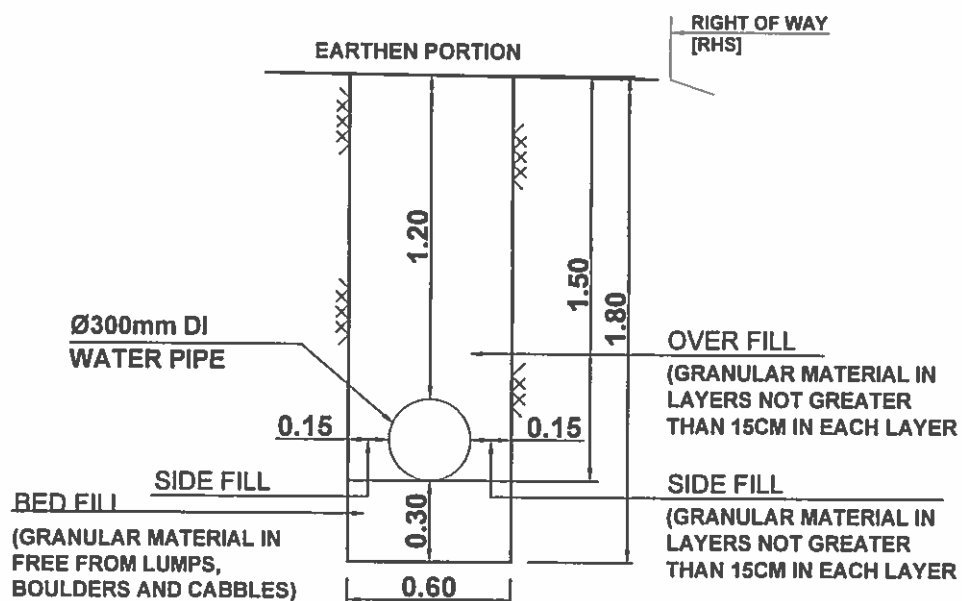
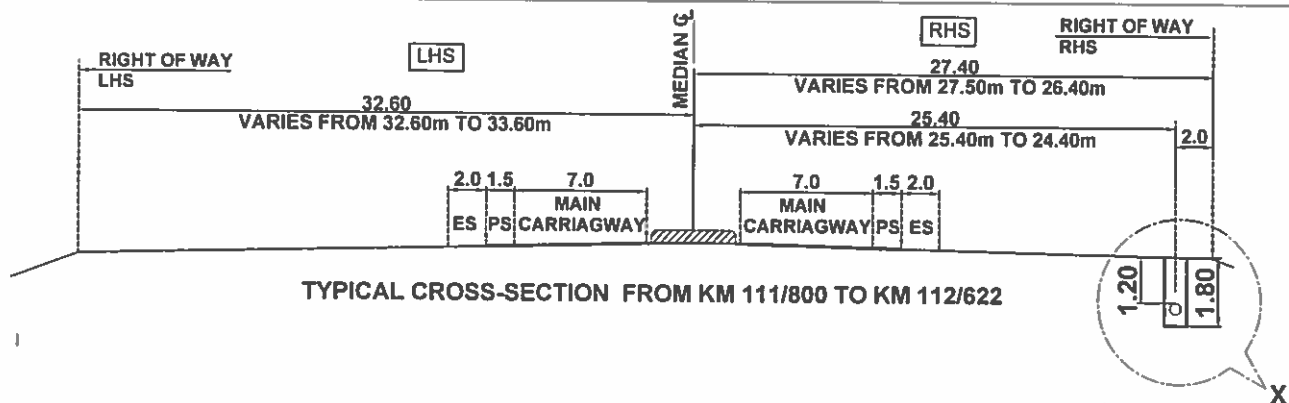
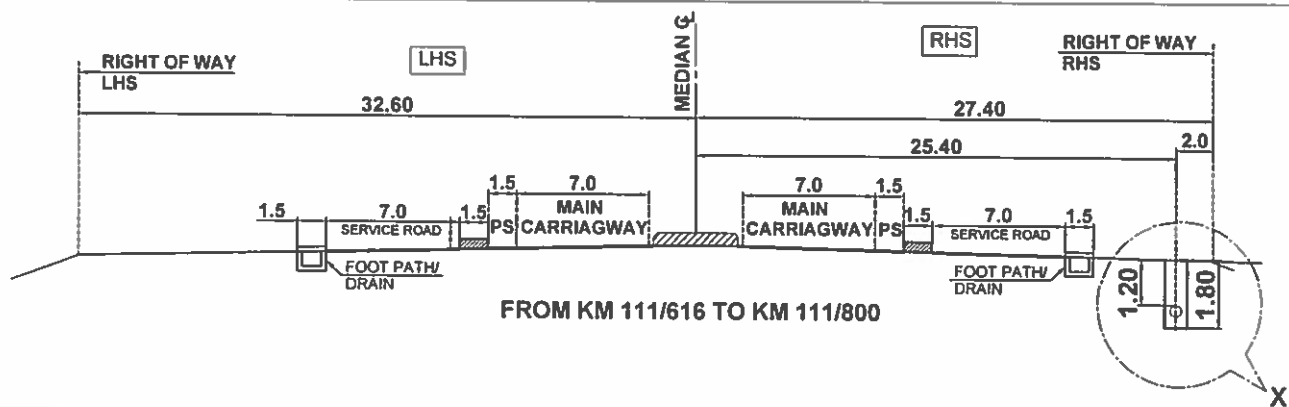
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.



W. Jay

EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJA'UP

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)

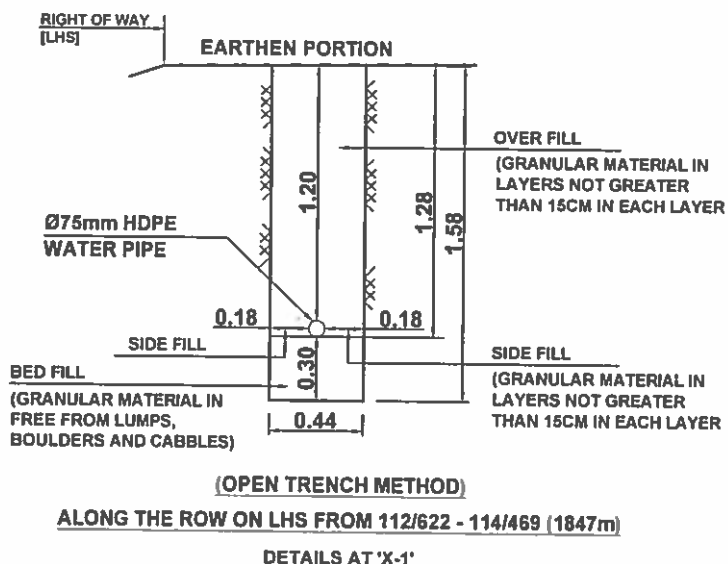
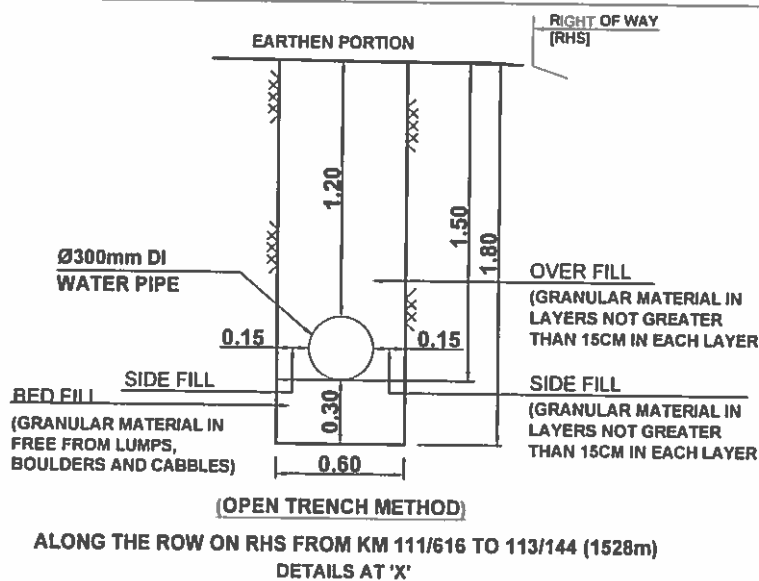
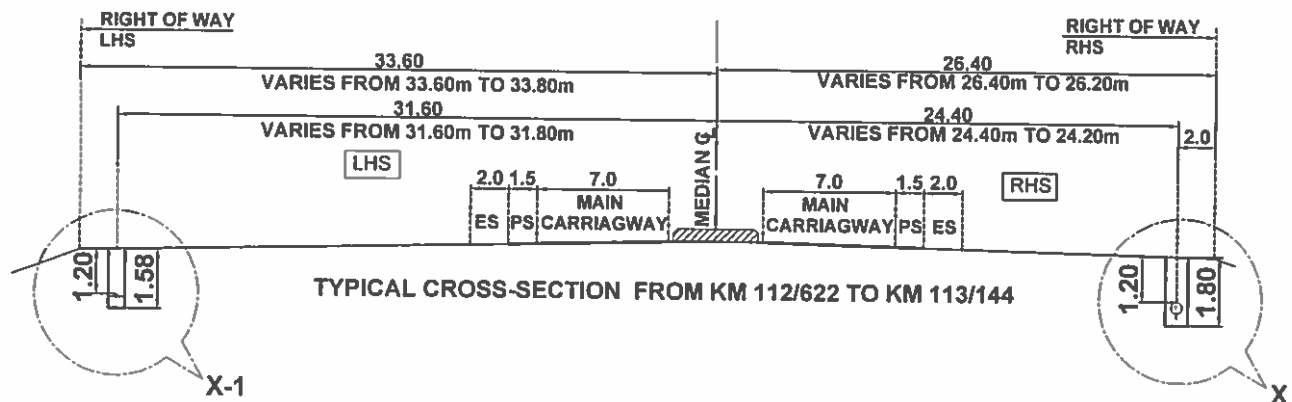


ALONG THE ROW ON RHS FROM KM 111/616 TO 113/144 (1528m)
DETAILS AT X

P. Y. M. H.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

m. w. u.
EXECUTIVE ENGINEER
TWAD, BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



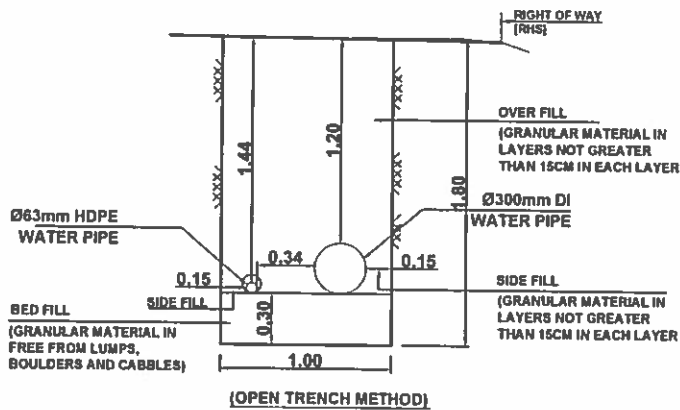
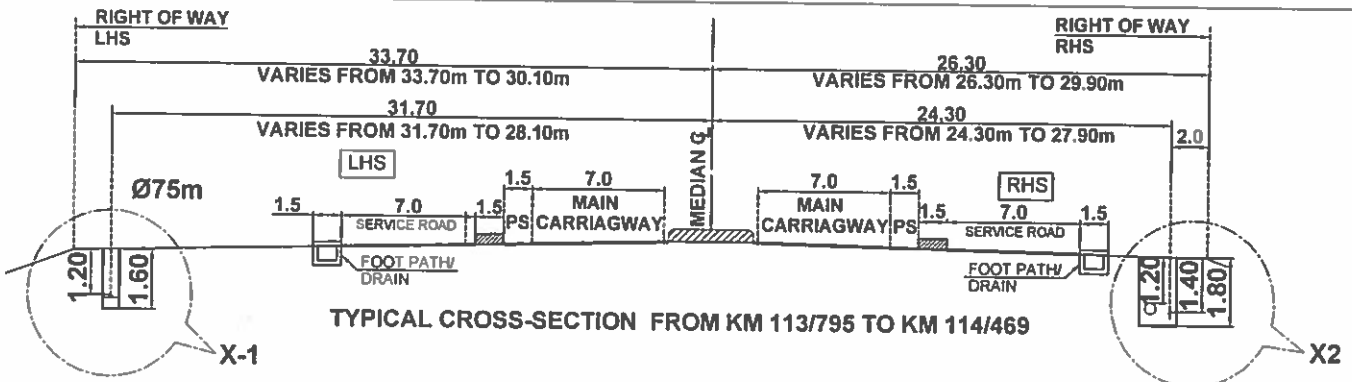
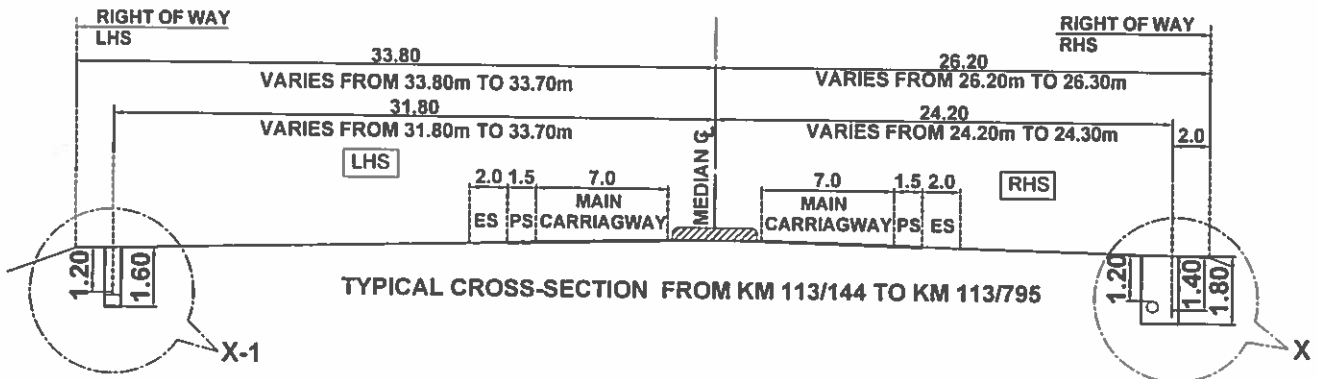
H. Gan H

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

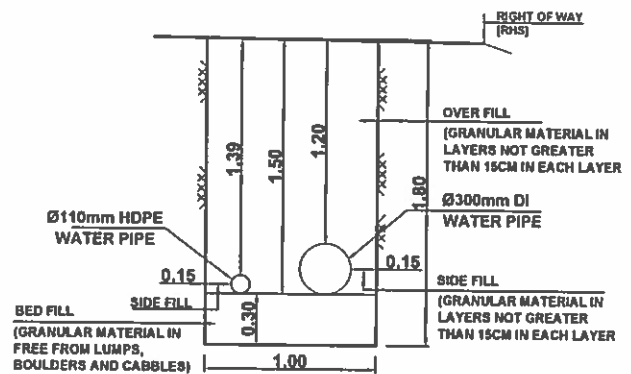
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EXECUTIVE ENGINEER
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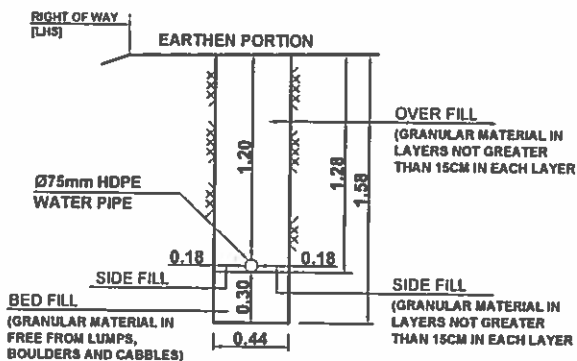
METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



ALONG THE ROW ON RHS FROM KM 113/144 TO 113/795 (651m)
DETAILS AT 'X'



ALONG THE ROW ON RHS FROM KM 113/795 TO 114/525 (525m)
DETAILS AT 'X2'

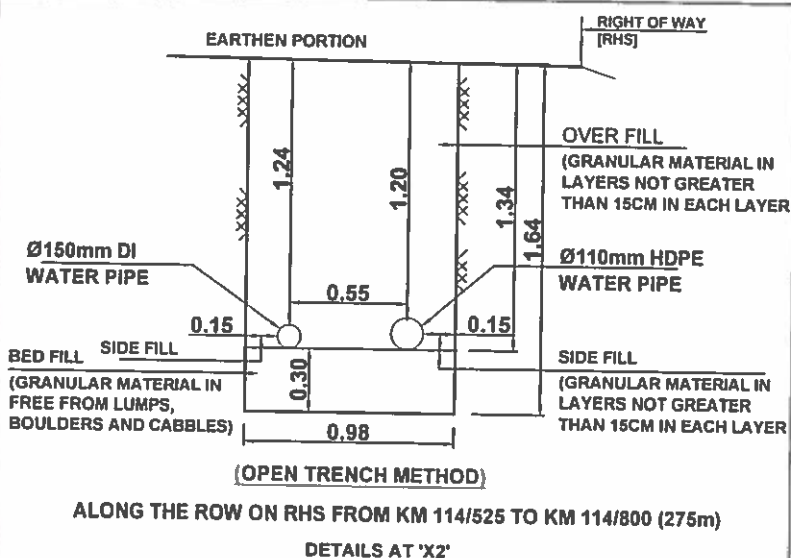
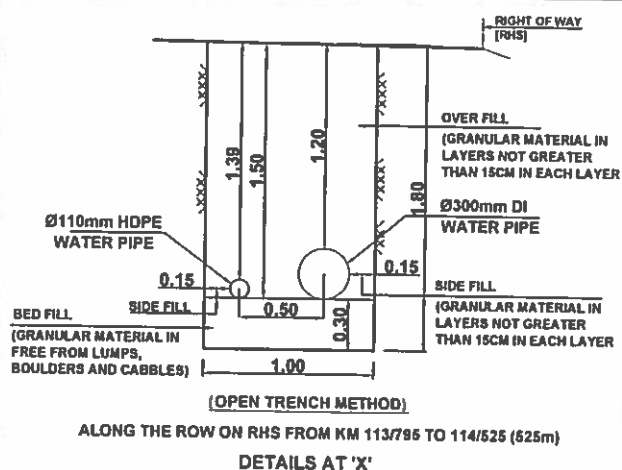
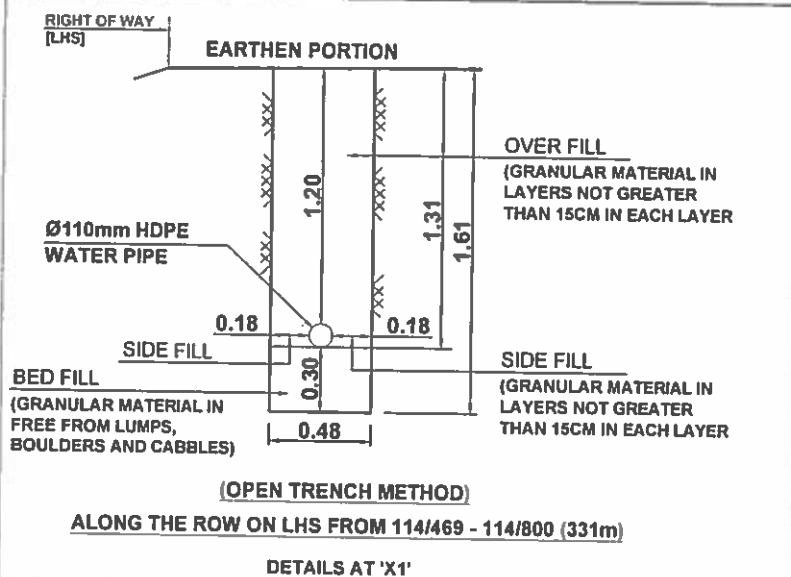
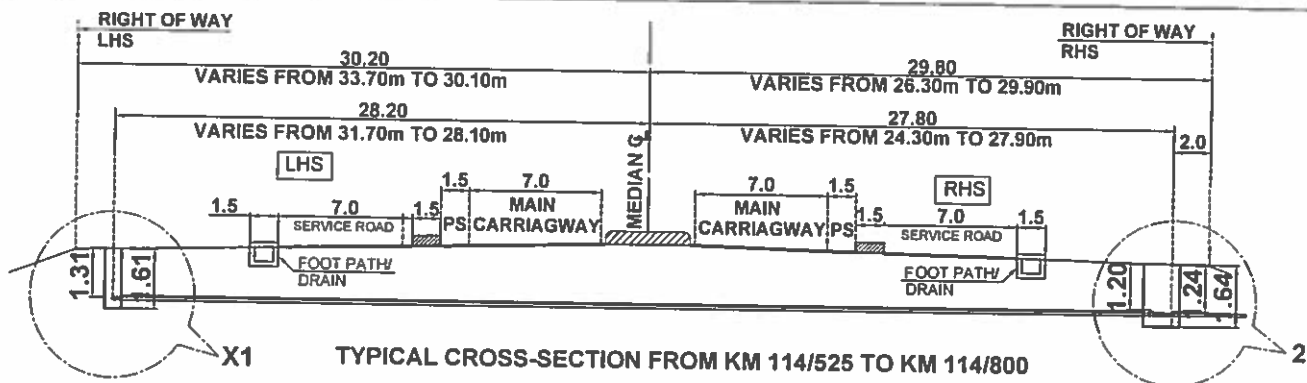
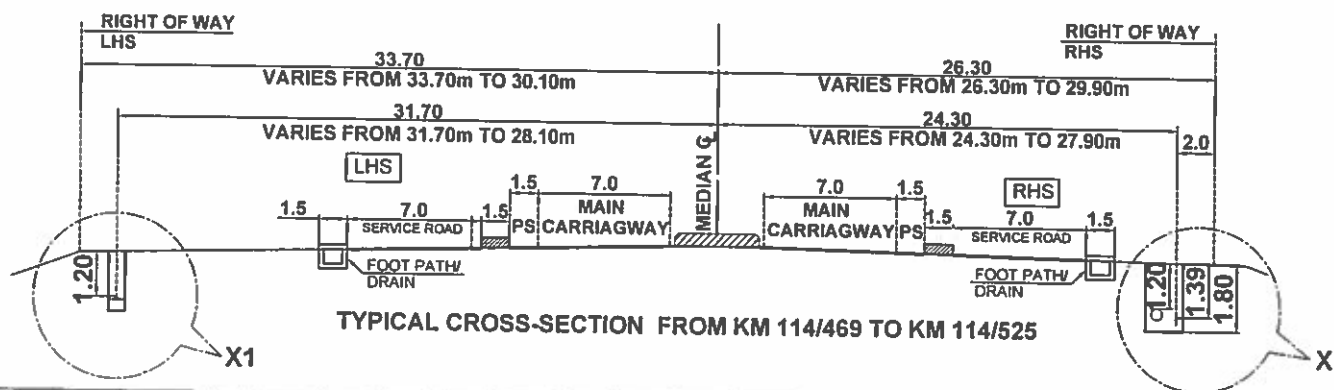


ALONG THE ROW ON LHS FROM 112/622 - 114/489 (1847m)
DETAILS AT X-1

H. J. [Signature]
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

[Signature]
EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

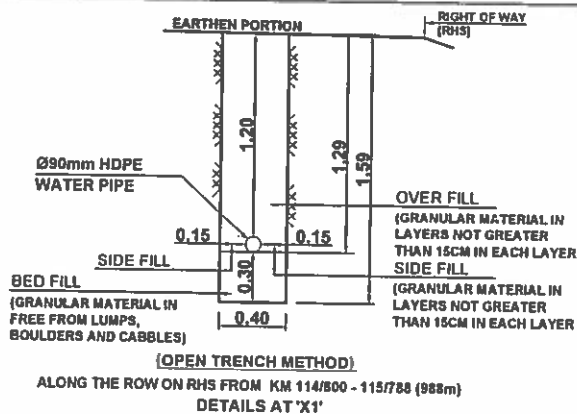
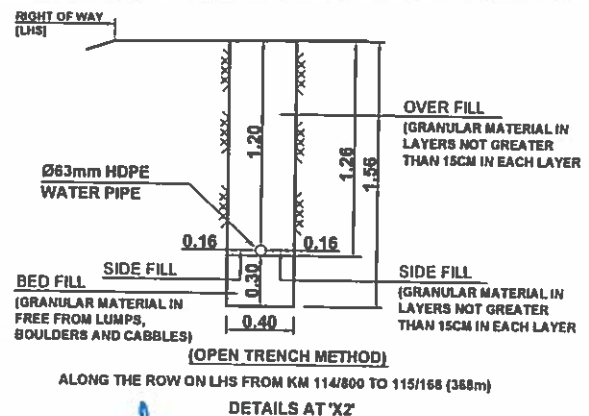
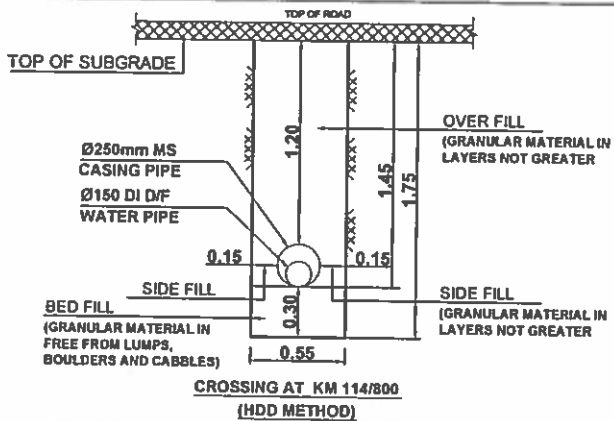
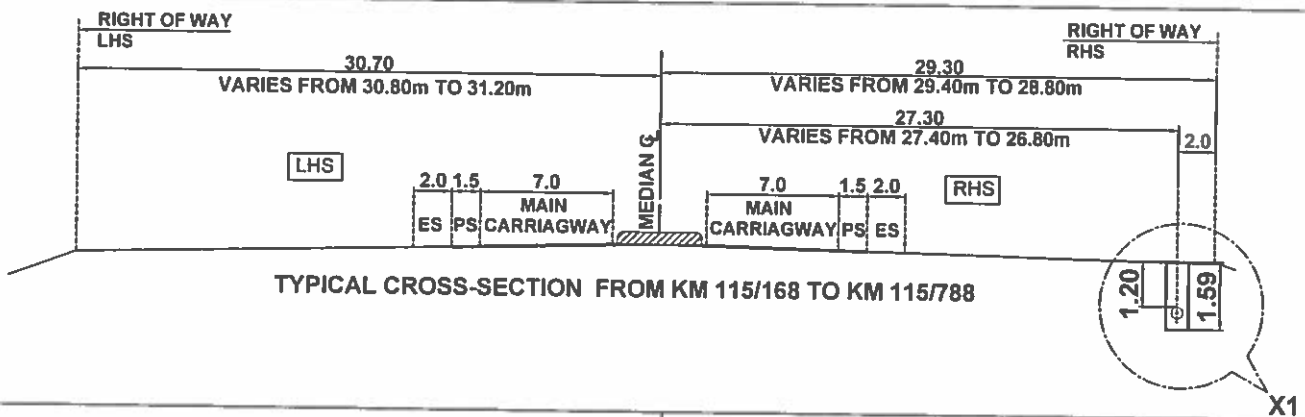
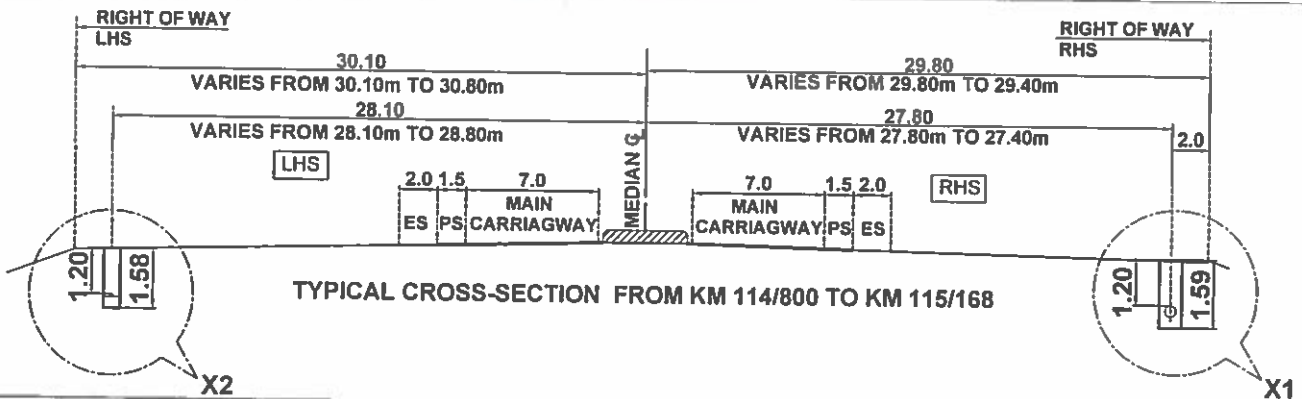
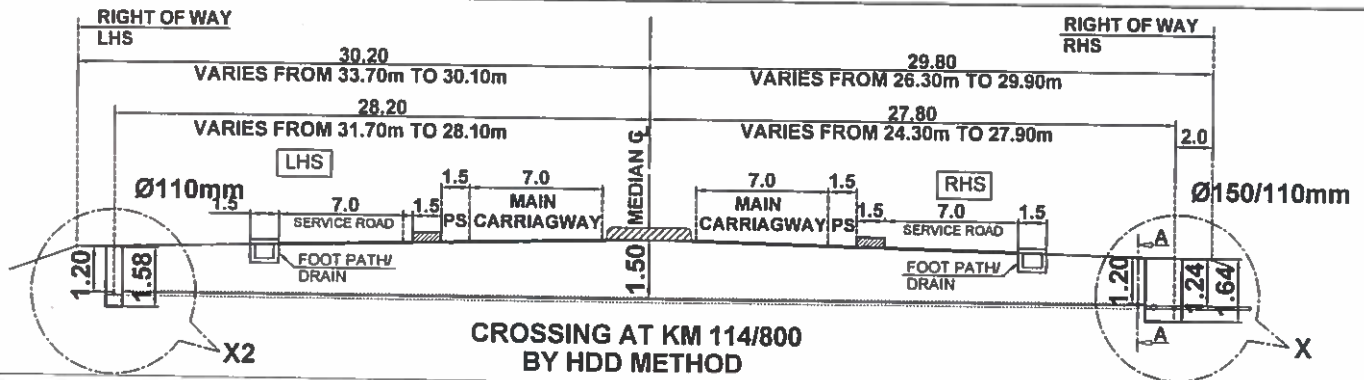
METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



M. J. J. H.
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

m. j. j. h.
EXECUTIVE ENGINEER
TWAB. BOARD RWS. DIVISION
THANJAVUR

METHODOLOGY SHOWING THE PROPOSED LAYING OF WATER PIPE LINE ALONG THE ROW OF NH 67 (NEW NO. NH 83)



**PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.**

**EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR**



23.03.2023 தமிழ்நாடு தமில்நாடு TAMILNADU
EXECUTIVE ENGINEER
TWAD BD, RWS DIVISION
THANJAVUR

ச. தாட்சாயினி
(S. DHATCHAYINI)
STAMP VENDOR
L. No: 928/Syl/2021-4
10 C, SBI Road, Coimbatore - 18

CZ 808028

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

Agreement to lay the Under Ground water pipe line along the Right of Way of NH 67 (New No. NH 83) from Km 99/185 to Km 100.185 of Dia. 150mm DI pipe (2 Nos.), Km 100/185 to Km 100/265 of dia. 250mm DI pipe, Km 101/705 to KM 101/843 of dia. 90mm HDPE pipe, from Km 107/165 to Km 107/334 of dia. 63mm HDPE pipe, from Km 107/334 to Km 107/844 of dia. 140mm HDPE pipe (2 Nos.), from Km 107.844 to Km 108/173 of dia. 200mm & 110mm HDPE pipe, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm HDPE pipe, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm HDPE pipe, from Km 109/872 to Km 111/558 of dia. 200mm HDPE pipe, from Km 111/558 to Km 111/616 of dia. 300mm DI pipe & 140mm HDPE pipe, from Km 111/616 to Km 113/144 of dia. 300mm DI pipe, from Km 113/144 to Km 113/795 of dia. 300mm DI pipe & 63mm HDPE pipe, from Km 113/795 to Km 114/525 of dia. 300mm DI pipe & dia. 110mm HDPE pipe, Km 114/525 to Km 114/800 of dia. 150mm DI pipe & 110mm HDPE pipe and from Km 114/800 to Km 115/788 dia. 90mm HDPE pipe on the RHS, from Km 101/719 to Km 101/923 of dia. 63mm HDPE pipe, from Km 112/622 to Km 114/469 of dia. 75mm HDPE pipe, from Km 114/469 to Km 114/800 of dia. 110mm HDPE pipe and from Km 114/800 to Km 115/168 of dia. 63mm HDPE pipe on the LHS and across the NH with MS casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, 150mm dia at Km 101/843, Km 107/340 & at Km 109/872 respectively and 250mm dia at Km 114/800 across the NH 67 (New No. NH 83) of Thanjavur to Trichy Section, Thanjavur District, Tamil Nadu.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

This Agreement made this _____ day of _____ (month) _____ of (year)

Between

_____ acting in his executive capacity through

(hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part,

And

Executive Engineer, Tamil Nadu Water supply And Drainage Board, RWS Division, Thanjavur, (hereafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors / administrator assignees of the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in Km 99/185 to Km 100/265 (1080m), Km 101/705 to Km 101/138 (138m), Km 107/165 to Km 115/788 (8623m) on RHS, Km 101/719 to Km 101/923 (204m), Km 112/622 to Km 115/168 (2546m) on LHS of NH 67 (New No NH 83) RoW (Thanjavur to Trichy Section), Tamil Nadu.


Whereas the Licensee proposes to lay Water Pipe line referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services from Km 99/185 to Km 100/265 (1080m), Km 101/705 to Km 101/138 (138m), Km 107/165 to Km 115/788 (8623m) on RHS, Km 101/719 to Km 101/923 (204m), Km 112/622 to Km 115/168 (2546m) on LHS of NH 67 (New No NH 83) road/route and crossings at Km 99/185, Km 101/843, Km 107/340, Km 109/872, Km 111/558 and at Km 114/800.


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

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

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
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3. The License shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility / industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs..... / 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 pipelines for infrastructure / service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, 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 services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost 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 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.


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11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing / conduit pipe containing the utility services to cross the road shall be least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment - I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris / loose earth produced due to execution of trenching at least 50m away from the edge of the right of way ;


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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 metre / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / its designated agency as a security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.
21. The Licensee shall shift the utility services within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement / widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities / underground installations / facilities etc. The Licensee shall 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.


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TWAD. BOARD RWS. DIVISION
THANJAVUR

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 License 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 or the road for crossing highway, and other roads and try to carry out the work by trenches technology. In case any damage is caused to the road pavement in the 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 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank guarantee for maintenance/repair works shall have to be furnished by the licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services in laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables / ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route / road / highway land/ property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR

33. During the subsistence of this Agreement, the utility services located in highway land/ property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility service shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specification and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the authority has been obtained. Notwithstanding anything contained herein, this agreement may be cancelled at anytime by authority for breach of any condition of the same and the licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, take account of :
 - a. operation, repair and maintenance guidelines given by manufacturers,
 - b. the requirements of Law,
 - c. the physical conditions at the site, and
 - d. The safety of operating personnel and human beings.
39. The licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. in case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of licensee.


EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
THANJAVUR


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 conditions of this agreement or their implementation shall be referred to the redress mechanism prevailing in the ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying / shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/NHAI/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

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


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

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____
(Signature, Name & Address with stamp)

SIGNED BY SHRI  (LICENSEE)
(Signature, Name & Address with stamp)
EXECUTIVE ENGINEER
TWAD. BOARD RWS DIVISION
THANJAVUR

IN THE PRESENCE OF (WITNESSES):

1. 
ASSISTANT EXECUTIVE ENGINEER,
TWAD Board, RWS Sub-Division,
THANJAVUR.

2. 
JUNIOR ENGINEER,
TWAD Board, R.W.S. Sub-Division,
Thanjavur.



தமிழ்நாடு தமில்நாடு TAMIL NADU 08.07.2021 21AC 608634
23.03.2023 EXECUTIVE ENGINEER, S. தாட்சாயினி,
(S. DHATCHAYINI)
TWAD BD, RWS DIVISION STAMP VENDOR
THANJAVUR L. No: 928/281/2021-4
10 C, SBI Road, Coimbatore


UNDERTAKING

We hereby undertake the following with respect to the laying of Under Ground water pipe line along the Right of Way of NH 67 (New No. NH 83) along the Right of Way of NH 67 (New No. NH 83) from Km 99/185 to Km 100.185 of Dia. 150mm DI pipe (2 Nos.), Km 100/185 to Km 100/265 of dia. 250mm DI pipe, Km 101/705 to Km 101/843 of dia. 90mm HDPE pipe, from Km 107/165 to Km 107/334 of dia. 63mm HDPE pipe, from Km 107/334 to Km 107/844 of dia. 140mm HDPE pipe (2 Nos.), from Km 107.844 to Km 108/173 of dia. 200mm & 110mm HDPE pipe, from Km 108/173 to Km 108/598 of dia. 200mm & 90mm HDPE pipe, from Km 108/598 to Km 109/872 of dia. 200mm & 63mm HDPE pipe, from Km 109/872 to Km 111/558 of dia. 200mm HDPE pipe, from Km 111/558 to Km 111/616 of dia. 300mm DI pipe & 140mm HDPE pipe, from Km 111/616 to Km 113/144 of dia. 300mm DI pipe, from Km 113/144 to Km 113/795 of dia. 300mm DI pipe & 63mm HDPE pipe, from Km 113/795 to Km 114/525 of dia. 300mm DI pipe & dia. 110mm HDPE pipe, Km 114/525 to Km 114/800 of dia. 150mm DI pipe & 110mm HDPE pipe and from Km 114/800 to Km 115/788 dia. 90mm HDPE pipe on the RHS, from Km 101/719 to Km 101/923 of dia. 63mm HDPE pipe, from Km 112/622 to Km 114/469 of dia. 75mm HDPE pipe, from Km 114/469 to Km 114/800 of dia. 110mm HDPE pipe and from Km 114/800 to Km 115/168 of dia. 63mm HDPE pipe on the LHS and across the NH with MS casing pipe of dia. 600mm at Km 99/185 & at Km 111/558, 150mm dia at Km 101/843, Km 107/340 & at Km 109/872 respectively and 250mm dia at Km 114/800 across the NH 67 (New No. NH 83) of Thanjavur to Trichy Section, Thanjavur District, Tamil Nadu.

EXECUTIVE ENGINEER
TWAD. BOARD RWS. DIVISION
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1. The laying of UG Sewer pipe line will be carried out only on getting the approval from the Competent authority.
2. We undertake to shift the UG Sewer pipe line if required at any time owing to the expansion of the road or if necessary by the NHAI.
3. In future if any damage is caused by the Under Ground Sewer pipe line by MORTH Authorities due to the any development of NH roads/ culverts, no amount towards the same will not be claimed by the Executive Engineer, TWAD, Board, Sewerage Division, provided that the operation should have been intimated in advance, a minimum time of one month is required for shifting.
4. It is certified that at the location where the offset measurements of proposed Under Ground Sewer Pipe line alignment are less than 15 m from the center line of the road, the UG Sewer pipe line laying work along the NHAI limit will be carried out by the applicant extend possible by trenchless method and for across the road by trenchless method.
5. It is certified that the existing utility lines of OFC lines & Sewer pipe lines will not be affected.
6. The restoration charges will be paid on getting the demand note as shape of DD.
7. We hereby undertake that no other location is possible other than this route.
8. We undertake to bear the expenditure if any incurred by the NHAI for repairing and damage caused to the NH by laying, maintenance or shifting of the Sewer pipe line.


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