



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-625 107
2nd & 3rd Floor, Vijay Krishna Plaza, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai-625 107
दूरभाष / Tele : +91-452-258 8999 वेब / Website : www.nhai.gov.in ई-मेल / E-mail : romadurai@nhai.org



NHAI/15018/4.4/14/2023/RO Madurai/E:213069/ 1774

27th September, 2023

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, थंजावुर - National Highways Authority of India-PIU-Thanjavur- UGSS - Tiruchirappalli City Corporation Phase-II - Package-I- Request for Permission to lay underground Sewer Pipeline along the road stretch of Thanjavur - Trichy section of NH-67 (New No.83)-Invitation of Public Comments - Reg.

प्रसंग: 1.PD, Thanjavur-Lr.No-NHAI/PIU/Thanj/11021/105/2020/1960 dated 11.07.2023.

2.PD, Thanjavur-Lr.No-NHAI/PIU/Thanj/11021/105/2020/2653 dated 13.09.2023.

The proposal received from PD, Thanjavur vide Lr. No-NHAI/PIU/Thanj/11021/105/2020/1960 dated 11.07.2023 there by requesting permission for laying of sewer pipe line are detailed below

- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
- 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
- 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
- 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
- 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).

नरेंद्र शर्मा

National Highways Authority of India

- 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
- 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

by open trench & HDD method on Thanjavur - Trichy section of NH-67 as per proposal submitted by Commissioner, Tiruchirappalli City Corporation.

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.

मेहेन्द्र मीना
27/09/23

महेन्द्र मीना | Mahendra Meena
उप प्रबंधक (तक) | Dy. Mgr (Tech)

संलग्न: As above

प्रतिलिपि:

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

List of Correspondences							
Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
E 775676/2023/PIU-THANJAVUR	National Highways Authority of India- PIU-Thanjavur- UGSS – Tiruchirappalli City Corporation Phase-II – Package-I- Request for Permission to lay underground Sewer Pipeline along the road stretch of Thanjavur – Trichy section of NH-67 (New No.83) – Observations made by the Regional Officer Madurai – Reply furnished by City Corporation Trichy - Approval requested	Receipt		14/09/2023 04:05 PM		71-91	Reply
E 729314/2023/PIU-THANJAVUR	National Highways Authority of India- PIU-Thanjavur- UGSS – Tiruchirappalli City Corporation Phase-II – Package-I- Request for Permission to lay underground Sewer Pipeline along the road stretch of Thanjavur – Trichy section of NH-67 (New No.83) – Approval Requested – reg.	Receipt		13/07/2023 02:21 PM		1-70	



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 : tanjavor@nhai.org, tanjavor_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/105/2020/ 1960

Dated: 11.07.2023

To

The Chief General Manager (Tech) & 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- UGSS - Tiruchirappalli City Corporation Phase-II - Package-I- Request for Permission to lay underground Sewer Pipeline along the road stretch of Thanjavur - Trichy section of NH-67 (New No.83) - Approval Requested - reg.

- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
- 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
- 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).

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 - 2588000

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- 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
- 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
- 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
- 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
- 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

- Ref:
1. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.No.4970/2018 E7/(Main) Dated 06.04.2023 (received on 13.04.2023)
 2. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 02.05.2023
 3. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1224 Dated 05.05.2023
 4. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1459 Dated 19.05.2023 (Received on 23.05.2023)
 5. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1434 Dated 24.05.2023
 6. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023
 7. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 13.06.2023
 8. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1748 Dated.21.06.2023
 9. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1531 Dated 27.06.2023 (Received on 30.06.2023)
 10. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023

Sir,

The Commissioner, Tiruchirappalli City Corporation Trichy vide reference 1st & 2nd cited has submitted proposals for laying underground Water Supply pipeline in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83).



National Highways Authority of India

2. Vide reference 3rd cited, Independent Engineer has been requested to inspect and report on the submitted proposal.

3. Further, Independent Engineer vide reference 4th cited has made certain observations and same was forwarded to Commissioner, Tiruchirappalli City Corporation for compliance and returned the proposals vide ref.5th cited.

4. Vide 6th & 7th cited, the Commissioner, Tiruchirappalli City Corporation, Trichy has submitted revised proposals for laying underground Water Pipe line in the project stretch of Thanjavur - Trichy section NH-67.

5. The revised proposal was forwarded to Independent Engineer M/s.MSV International Inc Trichy for inspection & report vide reference 8th cited. They have submitted their report vide reference 9th cited. The copy of letter is enclosed herewith.

6. The proposal is examined as per Ministry's Circular No. NH 111/P/66/76 dated 18/19.11.1976, RW/NH 33044/27/2005/ S&R(R) pt. dt.06.08.2013 and RW-NH/33024/29/2015/S&R(R) dt.22.11.2016 and other circulars. The following observations are made:

1. The Commissioner, Tiruchirappalli City Corporation, Trichy has proposed for laying of underground Gas Pipeline by HDD/Open Trench method as below:

- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
- 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
- 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).



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- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
 - 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
 - 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
 - 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
 - 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
 - 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
 - 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
 - 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
 - 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).
2. In the proposal the Commissioner, Tiruchirappalli City Corporation, Trichy has mentioned that the GAS pipeline will be laid at 2.5 m below the G.L by using trench less method by Horizontal Direction Drilling, which is more than the Ministry stipulation of minimum 1.50m below G.L as per norms of Ministry Circular.
3. The applicant the Commissioner, Tiruchirappalli City Corporation, Trichy has proposed underground Sewer pipeline along and across the road at the depth of 1.5 m below GL by trench less method by Horizontal Direction Drilling method.



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4. The Independent Engineer, M/s. MSV International Inc., has inspected the site and opined that the applicant may be permitted to lay pipe line without disturbing the existing utilities (copy enclosed).
5. During the joint site inspection with IE and applicant, it is observed that the laying of water pipeline is proposed in the urban limits with restricted ROW. The applicant has accepted to carryout work through HDD method at the extreme end of ROW (beyond RCC drain).
6. The applicant has to submit an undertaking to NHAI for restoration of the excavated stretch to the normal condition without damages to the utilities such as drinking water lines, sewage lines, electrical cable and other OFC cables.
7. The strip plan showing the details of proposed laying of water Pipeline and necessary checklist are furnished.
8. The licensee has to cross the NH by HDD (trenchless technology only). In case any damage is caused to the road pavement in this process. The Commissioner, Tiruchirappalli City Corporation, Trichy will have to restore the same to the original condition at their own cost.
9. The levy fee and other conditions stipulated in the new circular of Ministry have also been included in the undertaking
10. The four laning work in the above stretch of Thanjavur- Trichy section of NH 67 has already been completed. The DPR work is in progress for the 6lane elevated corridor by the existing IE, M/s. MSV International Inc.
11. They have also applied through Online Portal to get the Water Pipe line permission from NHAI vide reference ID 20230428/1/9/19292/2703] Dated 15.06.2023.

A. Restoration Charges to be collected

Cost of Restoration Charges @ Rs.100.00
per running meter (3653 x 100)

= Rs. 365300/-

Cost of Restoration Charges @ Rs.250.00
per running meter (265 x 250)

= Rs. 66250/-

Total = Rs. 431550/-



National Highways Authority of India

B. License fee to be collected

License fee to be collected				
Sl.No.	Description	Length in Meters	Width	Area occupied in Sqmt
A	Area occupied along the road/Area			Urban
i	21 Locations	3918	Various dia	904.70
B	Total area to be utilized			
C	Circle Rate (guideline Value for the above area as on 01.04.2023 as recommended by M/s.IRM Energy Ltd, Ahmedabad).	The guideline value ranges from Rs.4310 Sq.m in UkkadaiaAriyamangalam village and Rs.17020/- Sq.m in Tharanallur village. Details enclosed.		
D	License Fees (Rs/sqm/month) = (Utilized NH land area x prevailing Circle rate of land per unit area)/(10x12)			
E	Total amount for Public utilities per month (Rs.)			30458
F	License fee for initial 5 years in Rs.= Total amount x 5 years (Rs.30458*5*12)			1827504

Hence, the proposal of the Commissioner, Tiruchirappalli City Corporation Trichy seeking permission for laying Sewer Pipeline along the road stretch of Thanjavur - Trichy section of NH-67 in the State Tamil Nadu as detailed above may please be considered and approval accorded.

Encl: 3 sets of proposal (1 original + 2 copy).
NOC Portal Application copy
Copy of IE letter

Yours faithfully,



(M.Ganesh Kumar)
DGM(T) & Project Director.
NHAI-PIU-Thanjavur

Copy to: 1. Team Leader M/s.MSV International Inc Trichy for information
2. The Commissioner, Tiruchirappalli City Corporation Trichy for information



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.



NHAI - PIU - THANJAVUR	
30 JUN 2023	
Dy.No: B-111: msd.dindigulthanjavur@gmail.com	
ME	
LAO	
PA	✓
SE/RS	
SE/SB	
SE/AN	✓
Accounts	

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/2022-23/1531

Date: 27.06.2023

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

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- UGSS- Tiruchirappalli City Corporation Phase- II- Package - 1 Request for permission to lay underground Sewer Pipeline along and across the road stretch of Thanjavur – Trichy section of NH-67 - Reg.

- Ref:**
1. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.No.4970/2018 E7/(Main) Dated 06.04.2023 (received on 13.04.2023)
 2. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 02.05.2023
 3. NHAI/PIU/Thanj/11021/105/2020/1224 Dated 05.05.2023
 4. This office Lr.No. MSV/Trichy/NHAI/IE-TL/2022-23/1459 Dated 19.05.2023 (Received on 23.05.2023)
 5. NHAI/PIU/Thanj/11021/105/2020/1434 Dated 24.05.2023
 6. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023
 7. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 13.06.2023.
 8. NHAI/PIU/Thanj/11021/105/2020/1748 Dated 21.06.2023.

Dear Sir,

The Commissioner, Tiruchirappalli City Corporation vide reference 1st & 2nd 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 3 cited, Independent Engineer has been requested to inspect and report on the submitted proposal.

3. Further, Independent Engineer vide reference 4th cited has made certain observations and same was forwarded to Commissioner, Tiruchirappalli City Corporation for compliance the Project Director PIU Thanjavur vide ref (5) returned the Proposal for necessary action.

Accordingly the UGSS Tiruchirappalli City Corporation has revised drawings have been prepared and the proposal is now resubmitted. The remarks pointed out by the PD/NIAL/PHU/Thanjavur are attended as follows:



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.

- (1) The mismatching chainages in two locations (CH:131/745 to CHI:131/970 LIS (225M length) and CII:136/280 To CII:136/370 RHS (90M length) have been corrected with respect to the ROW as per the Site Conditions. Further in the Chainages between CH:135/550 to 135/597 (47M length) is coming under the built up stretch and the available ROW is being encroached by the households, and the sewer pipe line for a length of about 47M will be laid in the BT portion of service road and the excavated width of trenches along the road for a length of 47M will be restored as per the guidelines of NHAI..
- (2) In the Chainages between CH:136/280 To CH:136/370(RHS) (90M length) is also coming under the built up stretch, however due to Strom Water Canal located in the ROW boundary the sewer pipe line will be laid for a length of about 90 m in the extreme outer edge of BT portion and the excavated width of trenches along the road will be restored as per the guidelines of NHAI.
- (3) The Cross Section showing the existing road level for laying the pipeline along the road has been mentioned in the drawing and enclosed with the proposal.
- (4) Wherever the stretch having utilities/avenue plants apart from NHAI may be carried out by open trench/HDD method (or) Trenchless method.
- (5) The earthmoving equipments JCB etc will be avoided and excavation may be carried out by Manual only.

In this regard, the Project Director PIU Thanjavur vide ref (8), requested to inspect the site and offer remarks/comments on the proposals and a report may be submitted to this office at the earliest.

Accordingly, Independent Engineer inspected the site along with the revised proposal re-submitted by the UGSS Tiruchirappalli City Corporation has corrected with respect to ROW as per the Site conditions, So Authority may grant the permission for laying of UGSS Sewer Pipeline along and across the road stretch of Thanjavur – Trichy section of NH-67 under phase II Package I at 21 locations by open trench/HDD method (or) Trenchless method. (Supporting Drawings & Booklet enclosed for your ready reference)

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: Proposal Booklet.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सडक 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/11021/105/2020/1748

Dated: 21.06.2023

To
The Team Leader,
M/s.MSV International INC
Plot No.290, Cauvery Nagar,
Co Abishekapuram, Pirattiyur West
Trichy - 620 009.

Sub: National Highways Authority of India-PIU-Thanjavur- UGSS - Tiruchirappalli City Corporation Phase-III - Zone-5 Request for Permission to lay underground Sewer Pipeline along and across the road stretch of Thanjavur - Trichy section of NH-67 - Remarks Called - reg.

Ref: 1. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.No.4970/2018 E7/(Main) Dated 06.04.2023 (received on 13.04.2023)
2. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 02.05.2023
3. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1224 Dated 05.05.2023
4. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1459 Dated 19.05.2023 (Received on 23.05.2023)
5. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1434 Dated 24.05.2023
6. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023
7. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 13.06.2023

Sir,

The Commissioner, Tiruchirappalli City Corporation vide reference 1st & 2nd 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 3rd cited, Independent Engineer has been requested to inspect and report on the submitted proposal.

3. Further, Independent Engineer vide reference 4th cited has made certain observations and same was forwarded to Commissioner, Tiruchirappalli City Corporation for compliance and returned the proposals vide ref.5th cited.

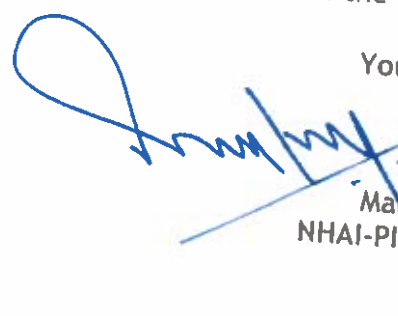
4. Now, vide 6th & 7th cited, the Executive Engineer, RWS Division Thanjavur has submitted revised proposals for laying underground Water Pipe line in the project stretch of Thanjavur - Trichy section NH-67.

National Highways Authority of India

5. A copy of the proposal is enclosed for reference. It is hereby 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.

Encl: Copy of proposal - 1No

Yours faithfully,


21/06/23
(Binesh M)
Manager (Tech)
NHAI-PIU-Thanjavur

Municipal Administration and Water Supply Department

From
Dr. R. Vaithinathan, I.A.S
Commissioner
Tiruchirappalli City Corporation
Tiruchirappalli – 620 001



To
The Project Director,
Project Implementing Unit,
NHAI, NO:54, 1st floor,
Natarajapuram North colony, Medical
college road,
Thanjavur – 613004.

11021/105

Roc No: 4970/ 2018/ E7 (Main) Dt. 13.06.2023

NHAI - PIU - THANJAVUR	
19 JUN 2023	
Dy.No:	3417
M(T)	Sub
LAO	
PA	✓
SE/RS	Ref
SE/SB	
SE/AN	✓
Accounts	

NHAI- PIU- Thanjavur-UGSS-Tiruchirappalli City Corporation Phase-II-Package-I-
Request for Permission to lay underground sewer pipeline along and across the road
Stretch of Thanjavur-Trichy section of NH67-Proposal Returned-Resubmitted-reg

1. Our Lr.No: Roc No.4970/2018/E7(Main)/ Dt:19.03.2020/ addressed to PD/
NHAI/ Thanjavur.
2. Our Lr.No: Roc No.4970/2018/E7(Main)/ Dt:23.06.2020/ addressed to PD/
NHAI/ Thanjavur.
3. Your Lr.No: NHAI/PIU/Thanj/11021/105/2020/1680/ dt:30.09.2020/ addressed
to R.O/NHAI/ Madurai.
4. Your Lr.No: NHAI/PIU/Thanj/11021/105/2020/1681/ dt:30.09.2020/ addressed
to R.O/ NHAI/ Madurai.
5. Your Lr.No: NHAI/PIU/Thanj/11021/00/2017/002/ dt:01.01.2021/ addressed to
TCC, Trichy.
6. Your Lr.No: NHAI/PIU/Thanj/11021/105/2020/199/ dt:30.01.2021/ addressed to
R.O/ NHAI/ Madurai.
7. Dist. Collector Coordination Meeting on 17.02.2021.
8. Your Lr.No: NHAI/PIU/Thanj/11021/105/2020/2059/ dt:10.08.2021/ addressed
to TCC, Trichy.
9. ROC No:4970/2018/e7(Main) Dt:31.05.2022
10. Dist. Collector Site Inspection with PD on 12.04.2022.
11. Joint Site Inspection by NHAI & TCC officials on 10.05.2022.
12. TCC ROC No: Roc No : 4970/2018 / E7(Main) Dt: 27. 06.2022
13. District Collector Trichy co-ordination meeting conducted on 26.08.2022&
27.08.2022
14. Minutes of Meeting of Chairperson, NHAI with Chief Secretary, Government of
Tamil Nadu held in Chennai on 18th August 2022 regarding issues in NHAI's
projects in Tamilnadu
15. Minutes of Review meeting in Tamil Nadu by Secretary (RTH) held on
22.09.2022 at Transport Bhawan, New Delhi.
16. TCC letter ROC no.4824/2018/E7(main) Dt:05.01.2023.
17. TCC letter ROC no.4824/2018/E7(main) Dt:06.04.2023
- 18.NHAI-PIU-Thanjavur Lr.No: NHAI/PIU/Thanjavur/ 11021/105/2020/1434 Dated
: 24.05.2023

Providing underground sewerage system to Tiruchirappalli City Corporation funded by Govt of India under AMRUT is in progress under agreement cited. As per the proposal, the Sewage Pipeline have to be laid in the following location.

In the above references cited, the Proposal for laying of underground drainage pipe line along the (Thanjavur – Trichy section) NH-67 (new no.83) in the limits of National Highways in 21 locations have been already submitted under Phase II Package I UGSS Project of Trichy City Corporation to the Project Director, NHAI, PIU, Thanjavur. In the reference 17th cited, the revised proposals with drawings with reference to the ROW have also been submitted. Subsequently through online the above proposals have also been sent to the PD/NHAI/PIU/Thanjavur in the website “morth.noc.nic.in”.

Accordingly, necessary joint field inspection has been conducted by the Independent Engineer, NHAI along with CMSC Engineers On 15.05.2023 and verified the above 21 locations with reference to the drawings. In the meantime the above proposals have been returned with certain remarks based on the joint field inspection vide reference 18th cited.

After attending to the remarks mentioned in the reference 18th cited, revised drawings have been prepared and the proposal is now resubmitted. The remarks pointed out by the PD/NHAI/PIU/Thanjavur are attended as follows.

- (1) The mismatching chainages in two locations (CH:131/745 to CH:131/970 LHS (225M length) and CH:136/280 To CH:136/370 RHS (90M length) have been corrected with respect to the ROW as per the Site Conditions. Further in the Chainages between CH:135/550 to 135/597 (47M length) is coming under the built up stretch and the available ROW is being encroached by the households, and the sewer pipe line for a length of about 47M will be laid in the BT portion of service road and the excavated width of trenches along the road for a length of 47M will be restored as per the guidelines of NHAI.
- (2) In the Chainages between CH:136/280 To CH:136/370(RHS) (90M length) is also coming under the built up stretch , however due to Strom Water Canal located in the ROW boundry the sewer pipe line will be laid for a length of about 90 m in the extreme outer edge of BT portion and the excavated width of trenches along the road will be restored as per the guidelines of NHAI.
- (3) The Cross Section showing the existing road level for laying the pipeline along the road has been mentioned in the drawing and enclosed with the proposal.
- (4) Wherever the stretch having utilities/avenue plants apart from NHAI may be carried out by open trench/HDD method (or) Trenchless method.
- (5) The earthmoving equipments JCB etc will be avoided and excavation may be carried out by Manual only.

Hence, I request that permission may please be accorded to lay the sewer gravity main in 21 location along the NH 67 (new no: 83) in Thanjavur- Trichy section under phase II package I at an earlier date.

For Commissioner
Tiruchirappalli City Corporation

12/6/2023

Encl : Revised proposal - **2 Set**

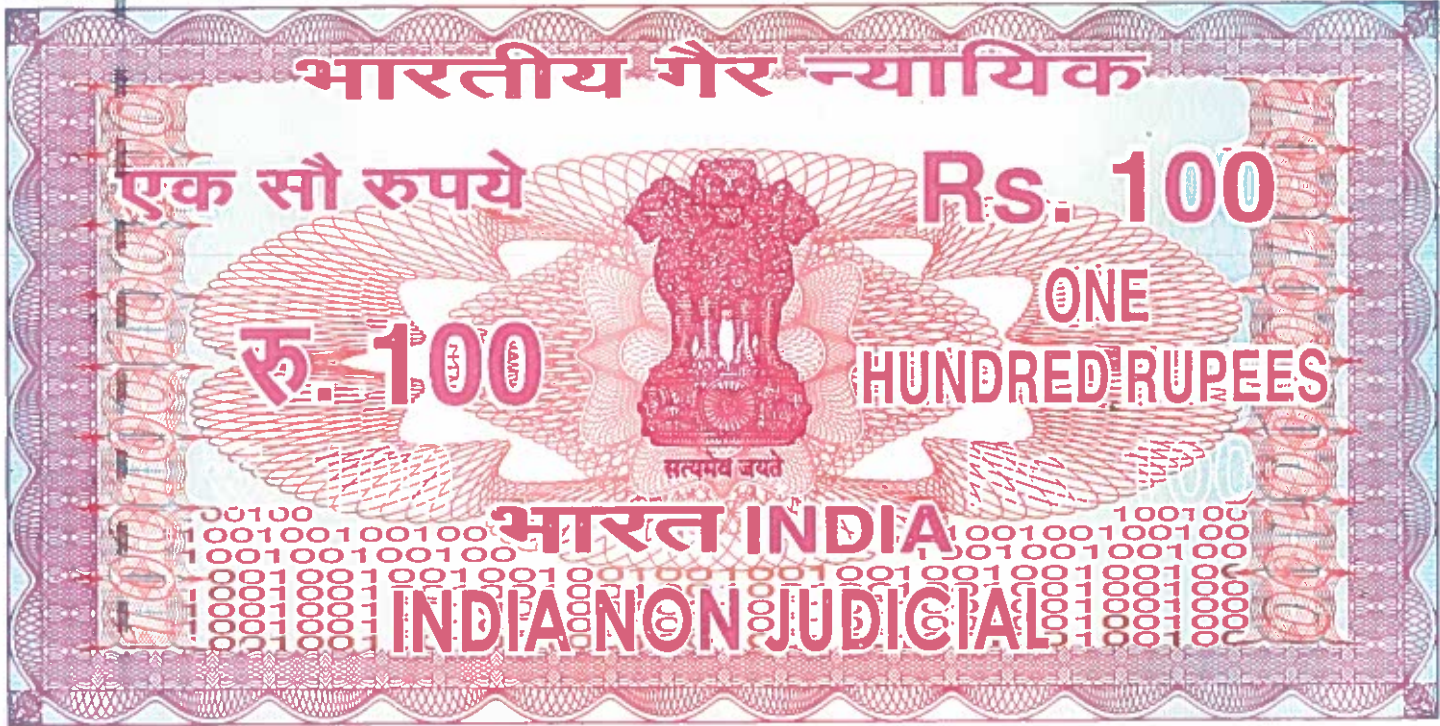
TIRUCHIRAPPALLI CITY CORPORATION

PROVIDING UNDER GROUND SEWERAGE SCHEME TO TRICHIRAPPALLI CITY CORPORATION UNDER PHASE II WORKS

PROPOSAL FOR OBTAINING PERMISSION FOR LAYING OF SEWER PIPELINE IN THE FOLLOWING LOCATIONS (In Thanjavur-Trichy NH 67 road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).

16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).



தமிழ்நாடு தமில்நாடு TAMILNADU

6 JUN 2023

DA 391404

P. NAGARAJAN, B.Sc
Stamp Vendor
L. No: 8403/93
District Court
Trichy, T. Nadu.

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

Agreement to lay sewage gravity main and pumping main and along in NH 67 in the following locations (In Thanjavur-Trichy NH 67 road Near Thiruverumbur) for providing underground sewerage scheme to Tiruchirappalli City Corporation Phase II works.

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).


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7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

This agreement made this day of month of (year) between NATIONAL HIGHWAYS AUTHORITY OF INDIA acting in his executive capacity through Regional officer, NHAI, Madurai, (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 Tiruchirappalli Corporation acting in his/her executive capacity through Commissioner , Tiruchirappalli Corporation, Tiruchirappalli District, Pin code – 620001, Tamil Nadu (called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successor/administrator assignees on the second part.


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Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in the following locations of NH 67 (In Thanjavur-Trichy NH road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).


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19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

Whereas the Licensee proposes to lay Sewage Pipes referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the authority for permission to lay utility services in the following locations In NH 67 (In Thanjavur-Trichy NH road Near Thiruverumbur) for providing underground sewerage scheme to Tiruchirappalli City Corporation Phase II works

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).


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14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

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

Now this agreement witness that in consideration of the conditions hereinafter contained and on the part of the Licensee 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 fulfilment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning,

maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.

4. The Licensee shall pay license fees @ Rs...../sq m/month to the Authority. The Licensee, fee shall become payable from the date of handing over of ROW land to the Licensee, for laying of utilities / cables / conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal. rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In 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 I landscaped with required safety measures as directed by the concerned Authority.
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit


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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 at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-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 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - d) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.


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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 coordination 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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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 of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 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 are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the 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 coordination with the Authority.


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32. The permission Tented shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /properly, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / properly 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 authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time 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 and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
 - a. operation, repair and maintenance guidelines given by the manufacturers,
 - b. the requirements of Law,
 - c. the physical conditions at the Site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety 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.
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.


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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 WHERE OF THE PARTIES HERE TO 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 ON BEHALF OF TIRUCHIRAPPALLI CORPORATION(LICENSEE)

BY SHRI-----

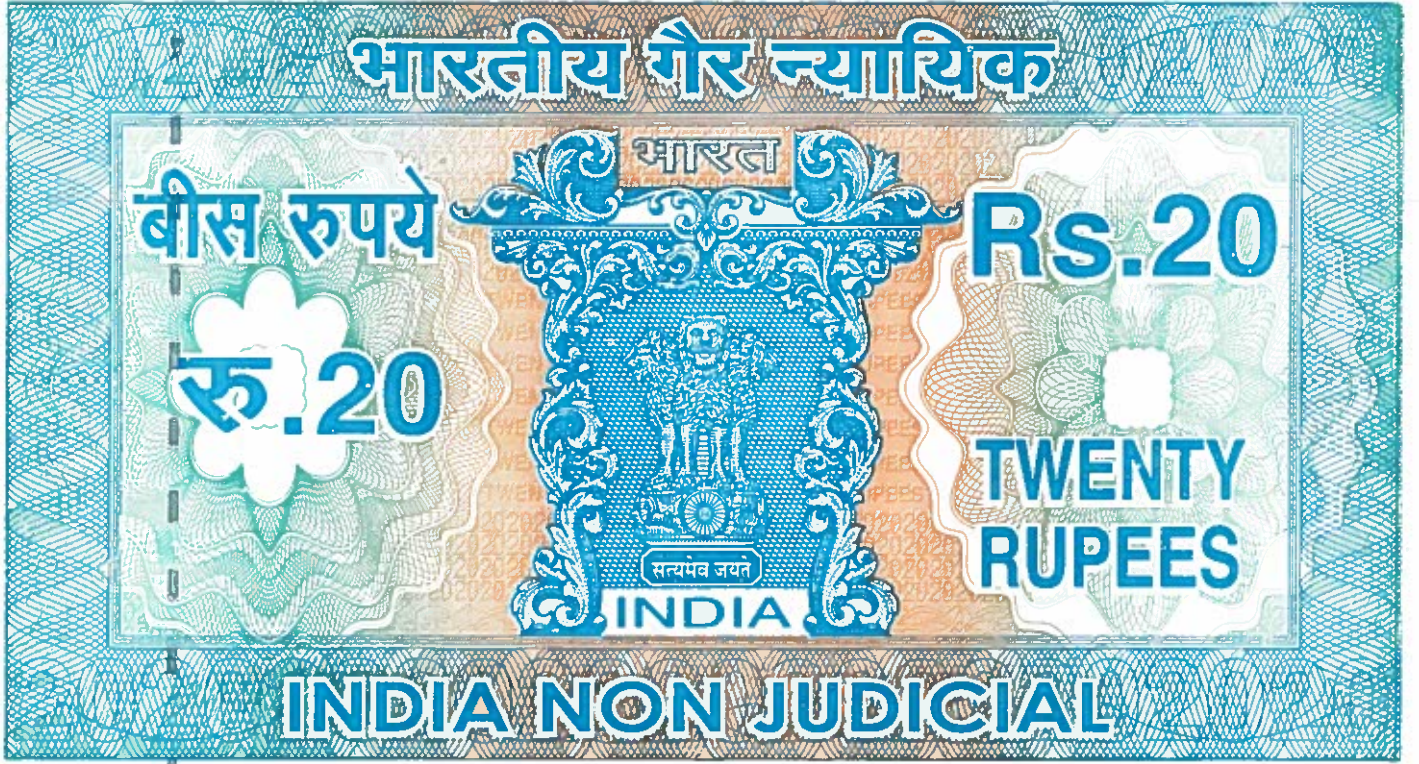

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Tiruchirappalli City Corporation

HOLDER OF GENERAL POWER OF ATTORNEY DATED-----

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO-----DATED-----
PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON-----

IN THE PRESENCE OF (WITNESSES):

1. 
2. 
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation



தமிழ்நாடு தமில்நாடு TAMIL NADU

30AC 678223

D.கார்த்திக்

முத்திரைத்தாள் விற்பனையாளர்

UNDERTAKING

விற்பனை

05 JUN 2023

சே

உரிமம் எண்: 38/2021/TRY

முத்திரைத் திருச்சி

We, the Commissioner, Tiruchirappalli City Corporation, Trichy District, Tamil Nādu- 620 001 undertake to lay the sewage pipe line in the following locations for providing under ground sewerage scheme for Tiruchirappalli City Corporation Phase-II works in following locations (In Thanjavur-Trichy NH 67 road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).


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8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

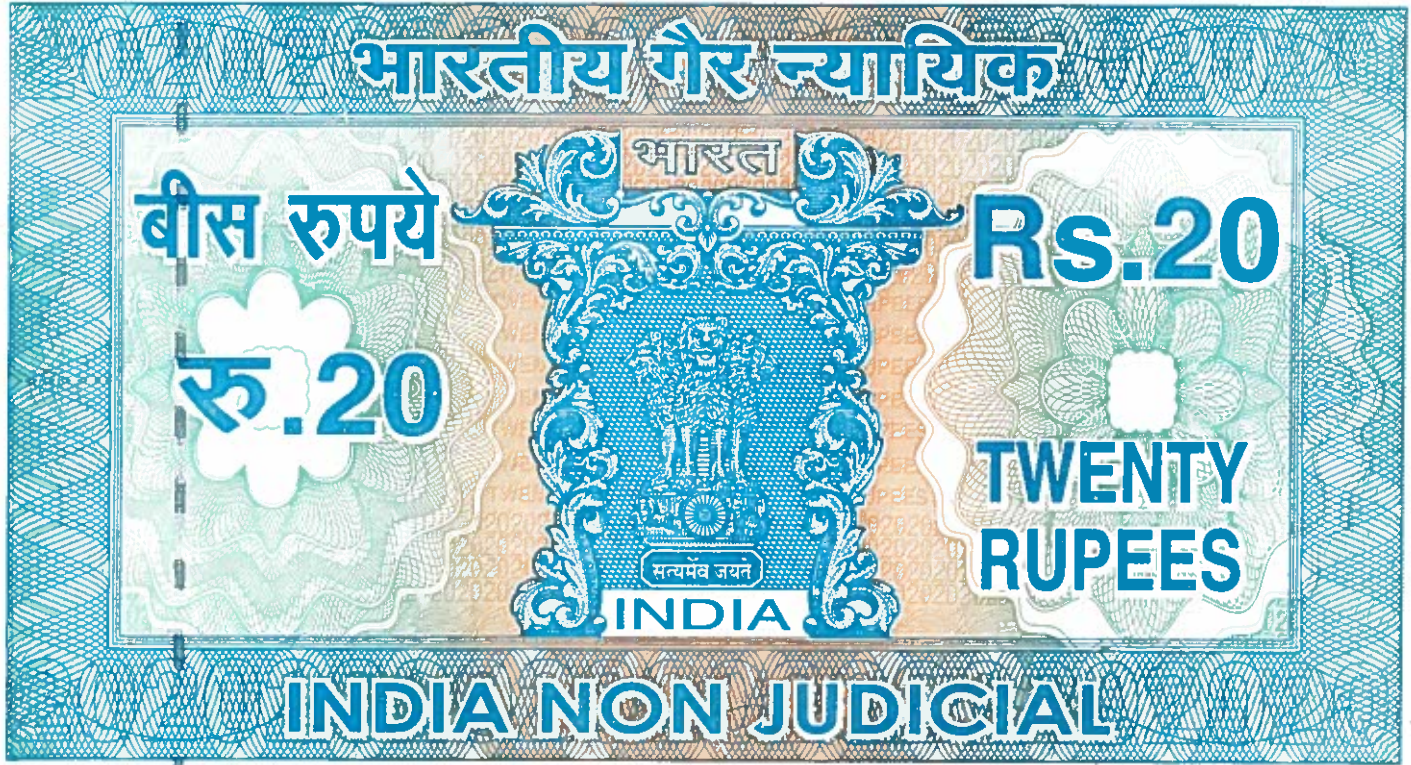
The work of trench and laying of Sewer pipe line along will be carried out only after getting approval from the competent authority

1. We undertake to shift the pipe line if required at any time owing to expansion of the road or if necessary by the NH authority at our cost & risk without claiming any cost from NHAI.
2. Wherever the berm width less, we will adopt trench-less technology method for laying pipes.
3. Not to damage to other utility, if damaged than to pay the losses either to NHAI or to the concerned agency.
4. Bank Guarantee will be renewed as and when required.
5. We will abide by all standard conditions of NHAI guidelines in vogue are issued from time to time.


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6. We undertake for shifting of the pipe line as and when required by NHAI at our own cost.
7. Indemnity against all damages and claims by the licensee.
8. Shifting due to 6 lanning / widening of NH etc, will be made by us with in time fixed by NHAI.
9. We undertake that traffic movement during laying of pipe line will be managed.
10. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing pipe lines located in the National Highways right of way.
11. Expenditure if any incurred by NHAI towards repairing or any damage caused to the National Highways by the laying, maintenance or shifting of the pipe line located in the National Highways right of way.
12. If the NHAI considers it necessary in future to move the utility line for any work of improvement of repairs to the road it will be carried out as desired by the NHAI at our cost within a reasonable time (not exceeding 60 days) of the intimation given.
13. Certified that:
 - i. Laying of sewer pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic.
14. For 4/6 lanning " we do undertake that, we will relocate service road/approach road / utility at our cost not withstanding by NHAI for future six lanning or any other development".We do undertake that Tiruchirappalli Corporation will pay he fee/rent as mentioned in the Ministry's letter No. RW/NH/33044/29/2015 S&R (R)dated 22.11.2016 as and when asked by NHAI.


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தமிழ்நாடு தமில்நாடு TAMIL NADU

30AC 521518

S. ராஜ்குமார்
மு.தா. வி
L.No: 6/2000
ம.நி. தமிழ்நாடு



5 JUN 2023

INDEMNITY BOND

We, the Commissioner Tiruchirappalli City Corporation, Trichy district, Tamil Nādu - 620 001
indemnify the following to NHAI for laying of sewage from the following locations (In
Thanjavur-Trichy NH road Near 67 Thiruverumbur) for providing underground sewerage
scheme to Tiruchirappalli City Corporation Phase II works

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).


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8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
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18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

The work of trench and laying of water supply pipe along the NH will be carried out as per standard prescribed by NHAI only after getting approval from the competent authority.

1. Indemnity against all damages and claims by the license.
2. Any shifted of the pipe line due to widening of NH will be made by us within the time fixed by NHAI at our cost, without financial implication to NHAI.
3. Rent and taxes due will duly paid by us.


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ANNEXURE - 1

GENERAL TO ACCOMPANY ALL PROPOSALS

GENERAL :

- I Whether the site plan is drawn to A scale of 1:2500 or 1:1000 and enclosed : Yes --1.1000
- a Whether the details for 100M on either side of the utility furnished laying have been furnished? : Yes,
- b Does the site plan shown in full? : Yes
- c The NH Boundary line with distance from CIL of the road marked at salient point where the NH land width changing and also at 100M intervals. : Yes
- d The berm line with distance from C/L at 100m intervals and also at Salient points of change of width of NH land : Yes
- e C/L of pavement and pavement edge line marked distinctly. : Yes
- f Medians. If any marked to scale : Yes
- g The location of the utility line of proposal with changes showing exact locations and distances from NH C/Ls : Yes
- h The existing CID works with dimensions : Yes
- II. a) Purpose of the proposal in details : Providing Under Ground sewerage scheme to Trichy City Corporation under Phase-II.
- b) Exact location of proposal
1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
 2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)


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3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
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21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).


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C) Whether the applicant is private agency / public sector/local : Urban local body
Body government Department government department

- d) Any time schedule fixed for the completion of the proposal : Yes, within 6
made? months
- e) Whether any other location other than this not possible; if so : Yes, There is no route
the reason therefore, available other than the
proposed.
- g) Whether any other location than this should be difficult of : There is no other route
costly? available for laying
of pipe
- h) Whether this proposal when implemented will affect the : No.
design stability and traffic safety or highway?
- i) Whether this proposal in implemented new, will affect likely : No
future improvements such as improvements stagenometrics.
- j) Is there any proposal for improvements in this stretch on likely : No.
to be sanctioned in near future and whether they will be
effected by this proposal


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

I. LAYING OF UTILITY LINE ALONG NH.

1. Whether the utility line is as close to the extreme edge of the right way as possible if no the detailed reasons for occupation : Yes. The pipe line is proposed to be laid at the extreme edge of the ROW.
2. Whether the utility line is 15m away from C/L of the nearest Carriage way If no, the reasons therefore (distances should be clearly noted) at salient points and at close intervals : Yes (Laying is proposed as per availability of (ROW)
3. Does the proposal cover the area where the road formation is in double cutting? : No
4. Does the proposal run over existing culverts and bridge given reasons it cannot be avoided : No
5. Will this proposal interfere with the maintenance of. NH at any time by its execution if permitted? : No
6. Whether CIS of utility line as runs along NH is given. : Yes, Furnished in the proposal.
 - a. Whether the top of pipe line at least 0.6M below ground level : Yes
 - b. Will it obstruct the drainage of road land : No
7. Is the proposal to lay on electric cable carrying HT line? : No
8. Is the proposal to lay on electric cable carrying HT line? : No
 - A. If so the necessary certificate by the proposal that it will not have any temerarious effort on any of the bridge components and railway safety far traffic : Does not arise
 - B. Laying of utility line across National Highways67 : The proposal is along the road
1. Chainage at which it crossed the NH : Nil
2. Chainage at which it Along the NH :
(In Thanjavur-Trichy NH 67 road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)


DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.


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3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
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8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

3. Does the proposal cross the NH on a line normal to it? Note : Not applicable
The reasons therefore & why it cannot be taken normal to road

4. The proposal for irrigation purpose? If so the concurrence of : Not applicable
the Revenue Dept, has been enclosed


DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
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CITY ENGINEER
Tiruchirappalli City Corporation

5. Whether there is any structure existing within 15m from the crossing? If so the details of such structure. : NO

6. The reasons why the crossing cannot be shifted to more than 15m from the existing structure? : Does not arise.

C. CONDUIT OF CASING PIPE :

- a. Does it pass through special conduits built for this purpose? : Not applicable
- b. Does it use any of the existing drainage structure? : Not applicable
- Whether the conduit pipe line has been encased : Not applicable
- Whether the ends of carrying or conduit pipe are sealed from outside : Not applicable
- c. Does the casing/Conduit pipe extent from drainage to drain if this is cut From the toe of slope in case if this is full : Not applicable
- d. Whether the top of casing/conduit pipe is 1.2m below the road level. Subject to increase 0.3m the drains invert : Not applicable

D. METHODS OF LAYING

- 1. Will the pipe be installed under road embankment by boring or trench method? : Not Applicable
- 2. If trench method adopted? : Trench method is adopted for laying of pipe along the NH Road
- A. Are the sides of the trench nearly vertical? : YES
- B. What is width of trench it is not more than 30cm and not more than 60 cm than the outer dia of the casing : Width of the trench is 0.8 m
- C. Whether the bedding is on 30cm thick below the pipe : YES
- D. Does it consist of granular materials or good materials to given a firm surface : YES
- E. The above details shown in the sketch : YES
- F. Whether the backfill shall be complete in 2 stage : Filled in layers of 30cm & Rammed manually
- G. Whether the said fill shall consist of good materials and whether will be completed to 95% of its proctor's density : YES
- H. Whether the road will be restored to its original shape : YES
- I. Whether all precautions will be taken during laying : YES
- J. Whether the party agrees to meet the cost of restoring the road to its original position : Yes ,necessary restoration will be paid by Tiruchirappalli Corporation on demand From NHAI



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II. IMPORTANT RULES:

1. The pipe should not be laid longitudinally for consideration length along the NH
2. The crossing of pipe lines shall be square i.e. it should be normal to NH:
3. Existing drainage structures shall not be used to carry the pipe lines across unless specially permitted by the government of India
4. Cable should be provided with a casting pipe of larger dia and with 0.30 meter bedding below the casting pipe if laid across

Conditions:

1. The pipelines should not be laid longitudinally for considerable length along National Highways
2. The Crossing of pipelines shall be square i.e. should be normal to the National Highway
3. Existing drainage structures shall not be used to carry the pipelines across, unless specially permitted by Govt. of India
4. Pipelines Should be provided with a casing pipe of larger diameter with a 0.30m bedding below the casing pipe if laid across the road.

CERTIFICATE:

1. This proposal when implemented will not affect the design stability and traffic safety of Highway
2. This proposal if implemented now will not affect any likely further improvement such as improvement to geometric
3. There is no proposal for improvements in this stretch likely to be sanctioned near future except four laning
4. The proposal is in accordance with the Government of India's specifications
5. Certificate to the effect that we have inspected the site and there will not be any hindrance for the NH Road and for Future Developments

In this regard it is clarified that necessary bank guarantee will be submitted as and when the proposal is approved by the NHAI. Hence it is requested to process the above NHAI proposal and arrange for the permission so as to commence the work early.


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NATIONAL HIGHWAYS AUTHORITY OF INDIA
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Tiruchirappalli City Corporation

**SPECIAL ANNEXURE TO ACCOMPANY PROPOSALS FOR LAYING AND PROTECTION OF PIPELINE
ALONG NATIONAL HIGHWAYS**

1. Does the pipeline proposed lie at a distance of 0.6m : No
from the outer edge of the road embankment and also
lie 4.5m distance away from the centre line of the
nearest carriageway
2. Is the pipeline taken over a culvert/bridges if any : No
 - a) Is this taken in a casing pipe through the ducts : No
 - b) Is the pipe line taken underneath the cushion by a
suitable encasing for on the side of the parapet by : No
suitably secured with clamping arrangements
 - c) Is the pipeline propose to be taken on the top of
the road kerb close to the inside face of the parapet
by means of clamps with the specific permission of : No
the Chief Engineer
3. Is there any repeater station proposed, ifso, the
distance of 30 cm from the center line of the nearest
carriage way is satisfied, if not state the reasons : No
4. Has the repeater station proposed to be fenced around
the station subject to the condition that the repeater
station should not be less than 60m from the centre line : Does not arise
of the nearest carriageway.


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Tiruchirappalli City Corporation

CHECK-LIST

Guidelines for Project Directors for processing the proposal for laying of Sewage pipe line in the land along National Highway 67 vested with NHAI

Relevant Circulars

1. Ministry Circular- RW/NH-33044/29/2015/S&R(R) dated.22.11.2016

Checklist for getting approval for laying of sewage pipe line in the following

(In Thanjavur-Trichy NH 67 road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).



18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

S.No.	Item	Information/status	Remark
1	General Information		
1.1	Name and Address of the applicant/Agency	The Commissioner, Trichy city Corporation, Trichy District, Pin Code-620001 , Tamil Nadu	
1.2	National Highway Number	NH 67	
1.3	State	Tamil Nadu	
1.4	Location	Thanjavur-Trichy NH road Near Thiruverumbur	
1.5	(Chainage in KM)	<p>Along in NH 67</p> <ol style="list-style-type: none"> 1. KM 129/670 to KM 129/890(220m length). RHS 2. KM 130/370 to KM 130/457(87m length) RHS 3. KM 130/504 to KM 130/585 (81m length). RHS 4. KM 130/464 to KM 130/610 (146m length). LHS 5. KM 130/980 to KM 131/490 (510m length). RHS 6. KM 131/481 to KM 131/570(89m length). RHS 7. KM 131/745 to KM 131/970 (225m length). LHS 8. KM 131/040 to KM 131/089(49m length). LHS 9. KM 132/430 to KM 132/530(100m length). RHS 10. KM 132/590 to KM 132/820(230m length). RHS 11. KM 133/420 to KM 133/520(100m length). LHS 12. KM 133/805 to KM 	

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		134/310(505m length). LHS 13. KM 134/650 to KM 135/131(481m length). LHS 14. KM 134/774 to KM 134/815(41m length). LHS 15. KM 135/131 to KM 135/396(265m length). LHS 16. KM 135/490 to KM 135/597(107m length). LHS 17. KM 135/660 to KM 135/720(60m length). RHS 18. KM 135/748 to KM 135/804(56m length). RHS 19. KM 135/804 to KM 136/045(241m length). RHS 20. KM 136/045 to KM 136/280(235m length). RHS 21. KM 136/280 to KM 136/370(90m length). RHS	
1.6	Length in meters	<u>Along NH-67</u> 220+87+81+146+510+89+225+49+100 230+100+505+481+41+265+107 +60+56+241+235+90 = 3918 M	
1.7	Width of available ROW	Marked in the drawing	
	a) Right side from center line towards increasing chainage/ KM direction	Marked in the drawing	
	b) Left side from center line towards increasing chainage/ KM direction	Marked in the drawing	
1.8	Proposal to lay sewage pipe line		
	a) Right side from center line towards increasing chainage/ KM direction	Marked in the drawing	
	b) Left side from center line towards increasing chainage/ KM direction	Marked in the drawing	
1.9	Proposal to acquire land	Land available already	
	a) Left side from center line	-	
	b) Right side from center line	-	
1.10	Whether proposals is in the same side whether land is not to be acquired	NA	
	If not where to lay the cable	NA	
1.11	Details of already laid services, if any , along the proposed route	Not available	
1.12	Number of lanes(2/4/6/8) existing	4 lane	
1.13	Proposed number of lanes (2) lane with paved shoulders 2/4/6/8 lanes)		

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1.14	Service road existing or not	Not Available	
	If yes then which side		
	a) Left side from center line		
	b) Right side from center line		
1.15	Proposed service center line		
	a) Left Side	-	
	b) Right Side	-	
1.16	Whether proposals to lay water supply pipe line is after the service road or between the service road and main	At the extreme end of ROW	
1.17	The permission for laying of sewage pipe line shall be considered for approval/rejection based on the Ministry circulars	Considered for approval based on the ministry circular.	
	a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as fumes//gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water	NA	
	b) Carrying of water supply pipe lines on bridge shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructures, support on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection	NA	
	c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency	NA	
	d) Services are not being allowed indiscriminately of the parapet/any part of the bridges safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only		
1.18	If Crossings	Not applicable since proposal is along	

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		the road	
	If yes, it shall be either encased in pipes or through structure of conduits specially built for that purpose at the expenses of	NA	
	a) Existing drainage structures shall not be allowed to carry the	NA	
	b) Is it on a line normal to NH		
	c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures?	NA	
	d) The causing 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	NA	
	e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	NA	
	f) The casing/conduit pipe should; as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills	NA	
	g) The top of the casing / conduit pipe should be at least 1.2 meter below the surface of the road subject to being atleast 0.3m	NA	
	h) Crossing shall be by boring method (HOD) specially where the existing road payment is of cement concrete or dense	NA	
2	Document / Drawing enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.6m deep .x 0.3m wide)	Yes 2.3 to 3.6m depth X 0.8m width	
	i) Should not be greater than 60 cm wide than the outer diameter of the pipe	Yes.	
	ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre lines of the nearest carriageway	Yes	
	iii) Shall not be permitted to run along National Highways when the road formation is situated in double cutting Nor shall these be laid over the existing culverts and bridges.	Yes	
	iv) These should be so laid that their tis at least 0.6 meter below the ground level so as not to obstruct	Yes Top of the pipe is 1.20m below G.L	

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	drainage of the road land		
2.2	Cross section showing the size of pit and location of cable for HOD method.	Yes	
2.3	Strip plan I route plan showing sewage pipe line, chainage, width of ROW distance of proposed cable from the edge of ROW important mile stone intersections, cross drainage work etc.	Enclosed	
2.4	Methodology for laying of showing sewage pipe line	Enclosed	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type if yes, methodology of refilling of trench.	Yes	
i.	The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe	Trench width is 0.8m only	
ii.	For filling of the trench, Bedding shall be to a depth of not less than 30 cm It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value Unsuitable soil and rock edges be excavated and replaced by selected material.	Yes Granular material	
iii.	The back fill shall be completed in two stages (i) side-fill to the level of the top of the pipe and (ii) overfill to the	Yes	
iv.	The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted	Yes	
v.	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	
vi.	The excavation shall protected by flagman, signs and barricades and red lights during night hours	Yes	
vii.	If required, a diversion shall constructed at the expense of agency owning the utility line.	Yes	
2.4.2	Horizontal directional drilling (HOD) Method	NA	
2.4.3	Laying of sewage pipe line through CD works and guidelines issued with letter No. RW/NH-33044129/2015/S&R(R) Zone Dated: 22.11.2016 method of laying		

M. K. S.

a)	On approaches the water mains / cables shall be carried along a line as close to the edge of the right-of way as possible up to a distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No NH-H1/P/66/76 dated 19.11.1976	Extreme boundary of ROW	
3.	Draft license Agreement signed by two witnesses.	Yes	
4.	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 1 lakhs per crossing and also along the road side it is Rs. 100/- per meter length, for a period of one year initially (extendable if require till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cable/ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50m away from the edge of the right of way no payment shall be payable by the NHAI to the licensee for	Yes	
4.1	Performance BG as per above is to be obtained	Will be given after getting the approval	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Will be given after getting the approval	
5	Affidavit / Undertaking from the Applicant for	Yes	
5.1	Not to damage to other utility, if damaged then to pay the losses either to. NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	NA	
5.3	Confirming all standard condition of NHAI's guideline	Yes	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost.	Yes	
5.5	indemnity, against all damages and claims clause (xxiv) shifting due to 6 laning / widening of NH	Yes	
5.6	indemnity, against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water supply pipe line located in the National Highway right-of-ways.	Yes	

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5.10	Expenditure if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance of shifting of the water supply pipe line will be borne by the agency owning the line	Yes	
5.11	If the NHAI considers if necessary in future to more the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Yes	
5.12	Certificate from the applicant in the following format	Yes	
i.	Laying of water supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Yes	
ii.	For 6 laning we do undertake that I will relocate serviceroad 1 approach road I utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development	Yes	
6.	Who will sign the agreement on behalf of Sewer pipe line agency	Commissioner Tiruchirappalli City Corporation	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW1NH-33Q4412912015IS&R(R) Zone Date: 22.11.2016 Ministry Circular No. 1JH-41	Yes	
7.2	Certificate from PD in the following format (i) "It is certified that any other location of the water supply pipe line would be extremely difficult and unreasonable costly and the installation of water supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc." (ii) for 6-laning	Yes	
a)	Where feasibility is available "I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at the said location".	Yes	
b)	In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating	Yes	

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	proposed six lining".		
8	If NH section proposed to be taken up by NHAI on BOT basis -a clause is to be inserted in the agreement. "The permitted highway on which licensee lies been granted the right to lay cable /duct has also been Granted as a right of way to the concessionaire under the concession agreement for up-gradation of (..... section.....) and therefore, the licensee shall honour the same".	Yes	
9	Who will supervise the work of laying of sewage pipe line	City Engineer Tiruchirappalli City Corporation	
10	Who will ensure that the defects in road portion after laying of. water supply pipe line are corrected and if not corrected then what action will be taken	City Engineer Tiruchirappalli Corporation	
11	Who will pay daims for damages done I disruption in working of concessionaire if asked by the concessionaire	Commissioner Tiruchirappalli City Corporation	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma	Enclosed	
13	If any previous approval is accorded for laying of underground /water supply pipe line then photo copy of register of records of permissions accorded as maintained by PO then copy be enclosed.	NA	

H. G. S. P.

[Signature]
CITY ENGINEER
Tiruchirappalli City Corporation

TO WHOM SO EVER IT MAY CONCERN

It is hereby authorized that P.Sivapatham, City Engineer, Tiruchirappalli Corporation, Tiruchirappalli will sign on behalf of Commissioner, Tiruchirappalli City Corporation, Tiruchirappalli in all the correspondence relating Execution of Under Ground Sewerage Scheme taken in Extended areas of Tiruchirappalli City Corporation.

He is also empowered to sign on behalf of commissioner in the agreement, with other Department such as Railways, NHAI, NH, Highways, BSNL & P.W.D, etc.



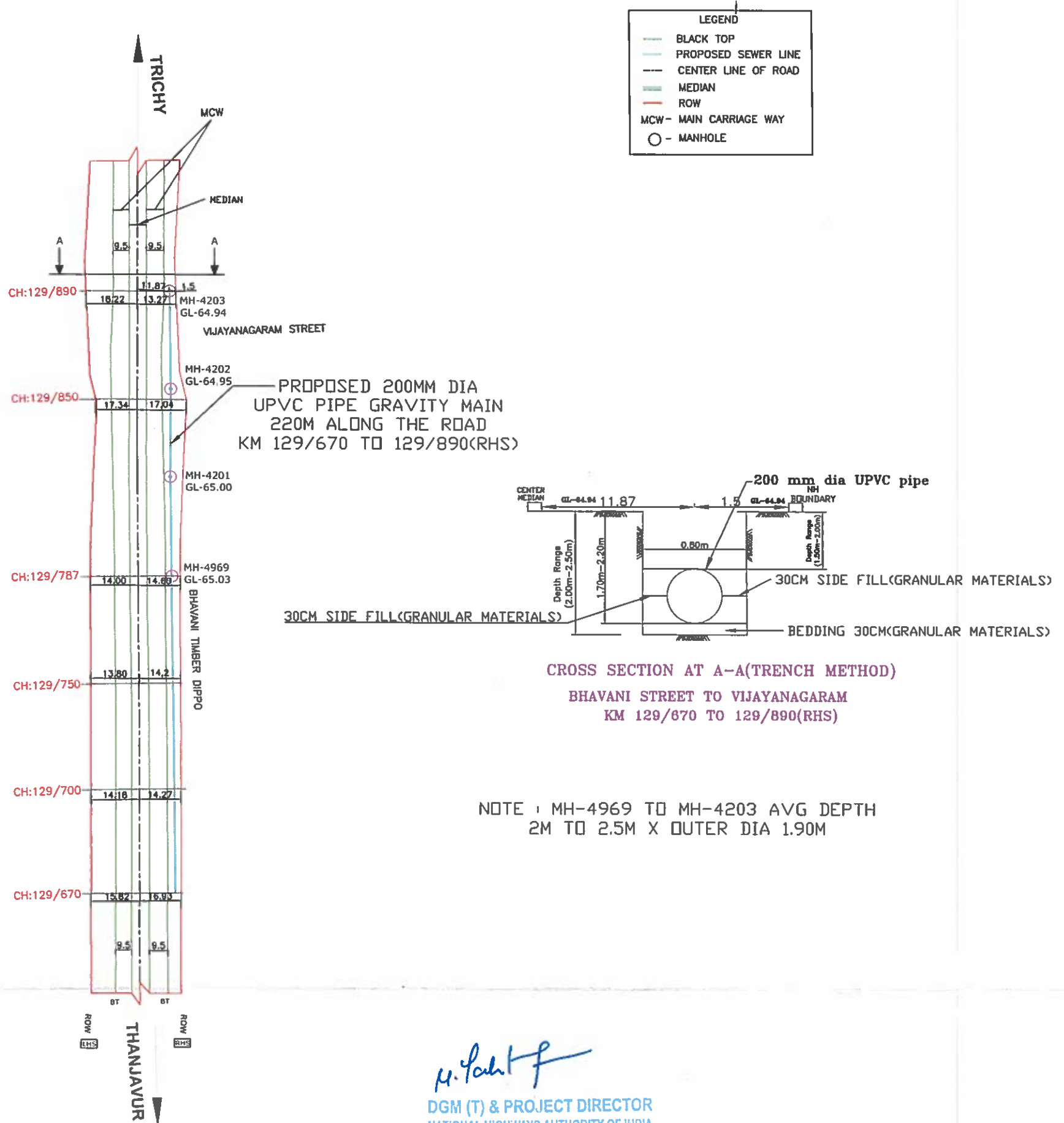
(R. Vaithinathan)

Commissioner

Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF ROW IN NH-67 BETWEEN KM 129/670 TO 129/890 RHS (220M) IN TRICHY-TANJORE NH ROAD (BHAVANI STREET TO VIJAYANAGARAM)



H. P. S.
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

S. Ramay.
Support Engineer-2
STC-Tiruchirappalli

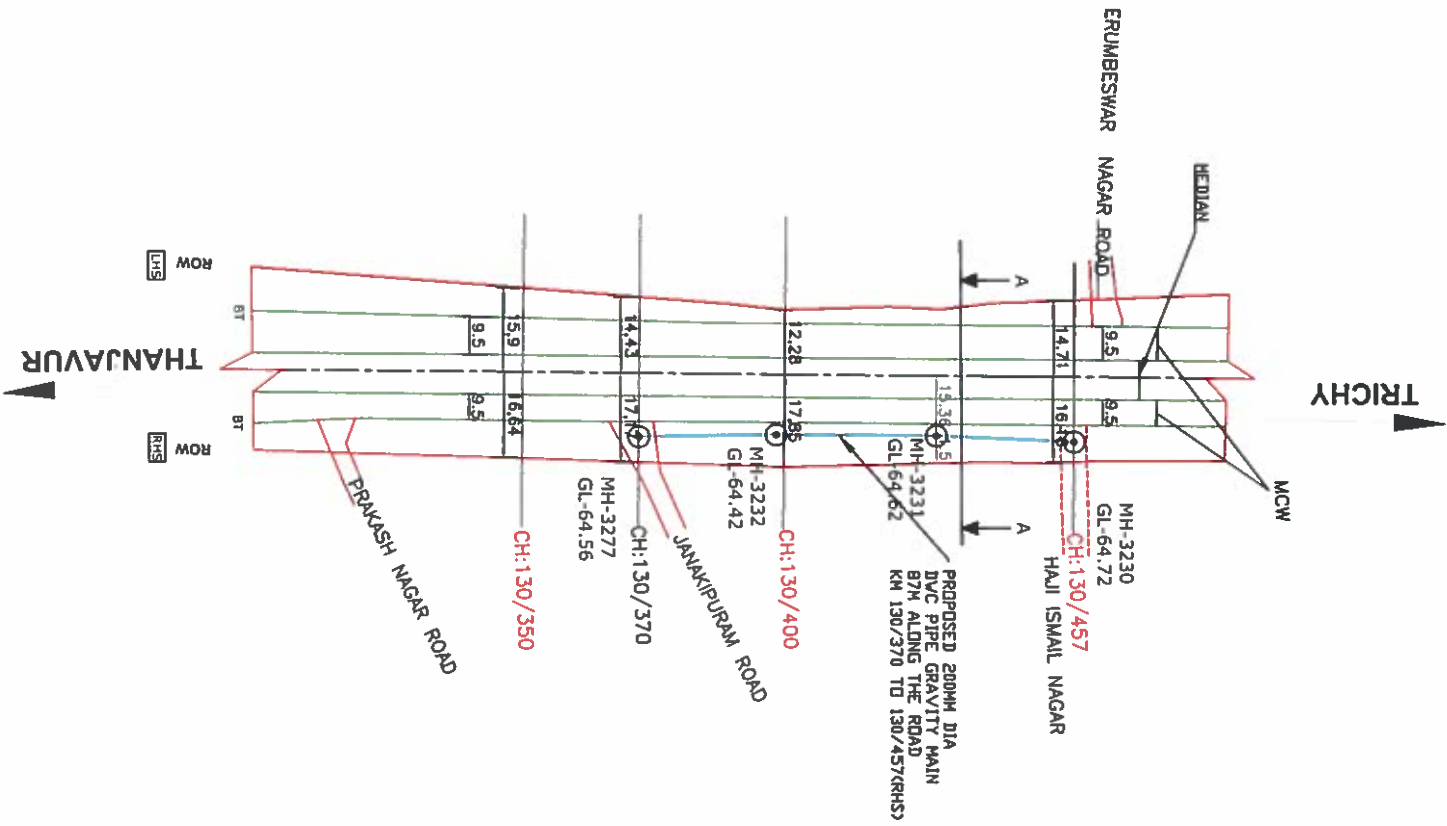
M. J.
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

S. S.
Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

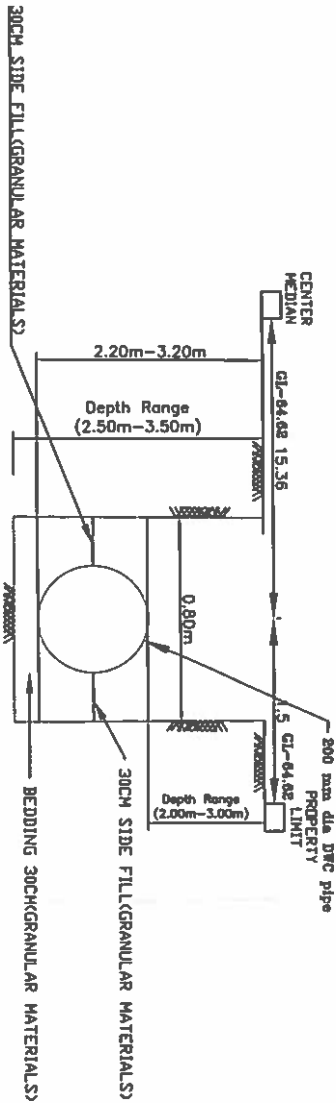
S. S.
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

S. S.
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA DVC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 130/370 TO 130/457 RHS (87M) IN
TRICHY-TANJORE NH ROAD (JANAKIPURAM JUNCTION TO HAJI ISMAIL NAGAR
JUNCTION)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE



CROSS SECTION AT A-A (TRENCH METHOD)

JANAKIPURAM TO HAJI ISMAIL NAGAR
KM 130/370 TO 130/457 (RHS)

NOTE : MH-3230 TO MH-3277 AVG DEPTH
2.5M TO 3.5M X OUTER DIA 1.90M

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
P.U. - THANJAVUR.

Support Engineer-2
STC - Tiruchirappalli

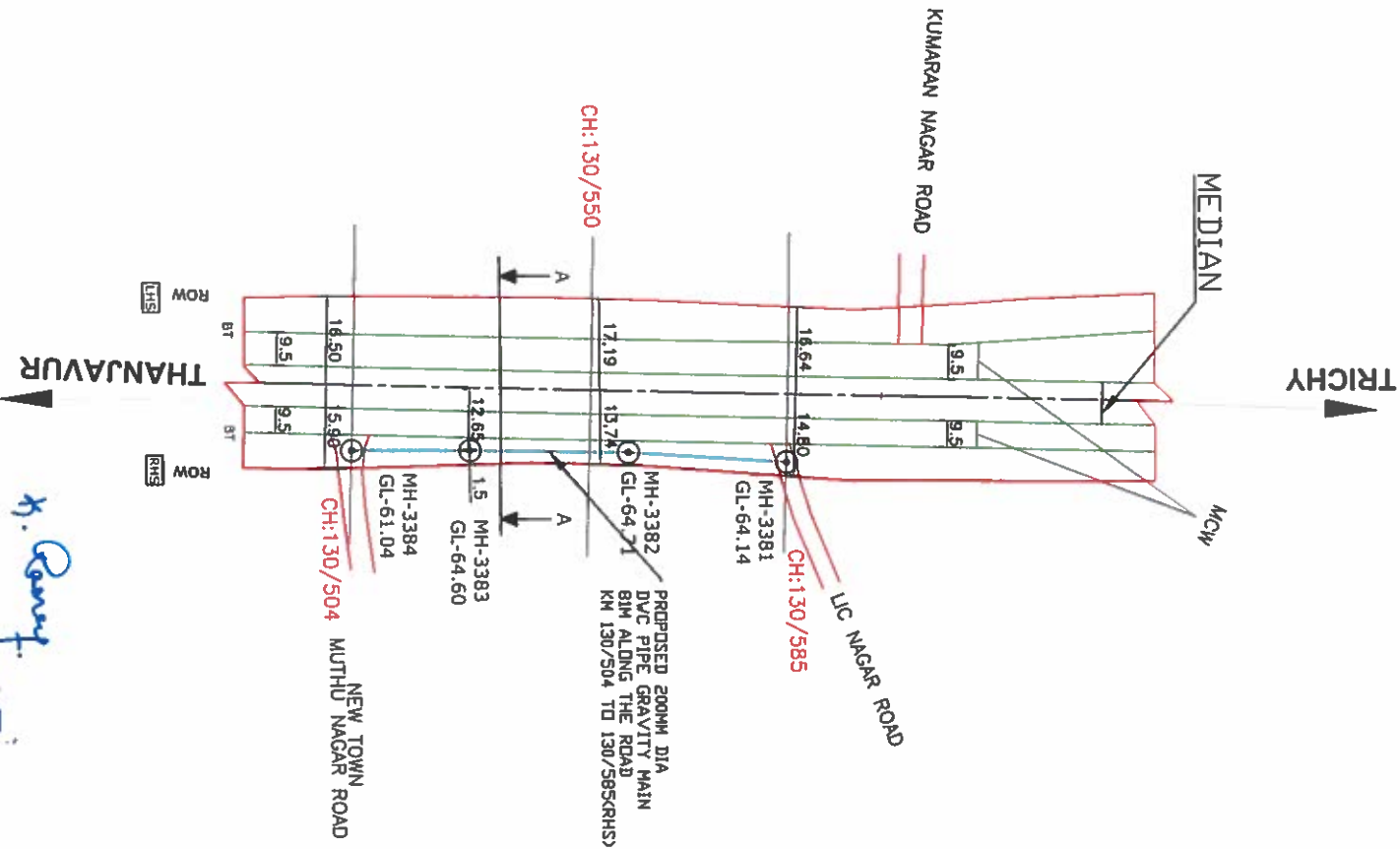
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

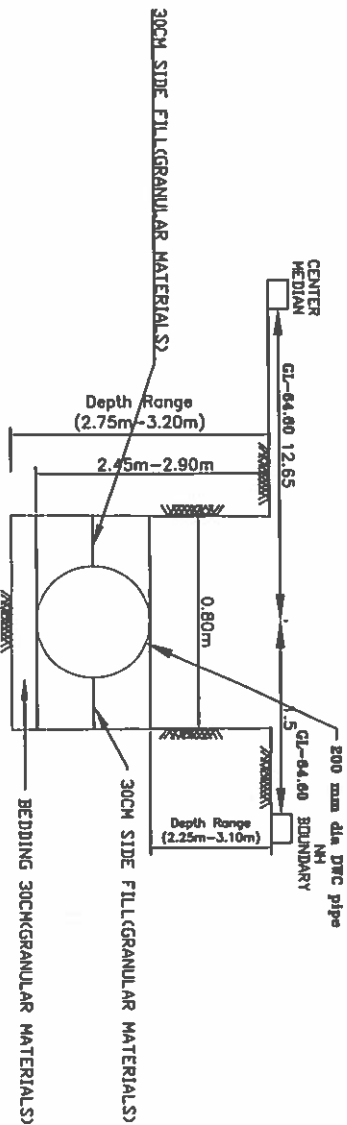
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA DWG SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 130/504 TO 130/585 RHS (81M) IN
TRICHY-TANJORE NH ROAD (LIC STREET TO NEW TOWN MUTHU NAGAR)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE



CROSS SECTION AT A-A(TRENCH METHOD)
LIC STREET TO NEW TOWN MUTHU NAGAR
KM 130/504 TO 130/585(RHS)

NOTE : MH-3381 TD MH-3384 AVG DEPTH
2.75M TD 3.20M X OUTER DIA 1.90M

DGM (T) : PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
P.U. - THANJAVUR.

Support Engineer
STC-Tiruchirappalli

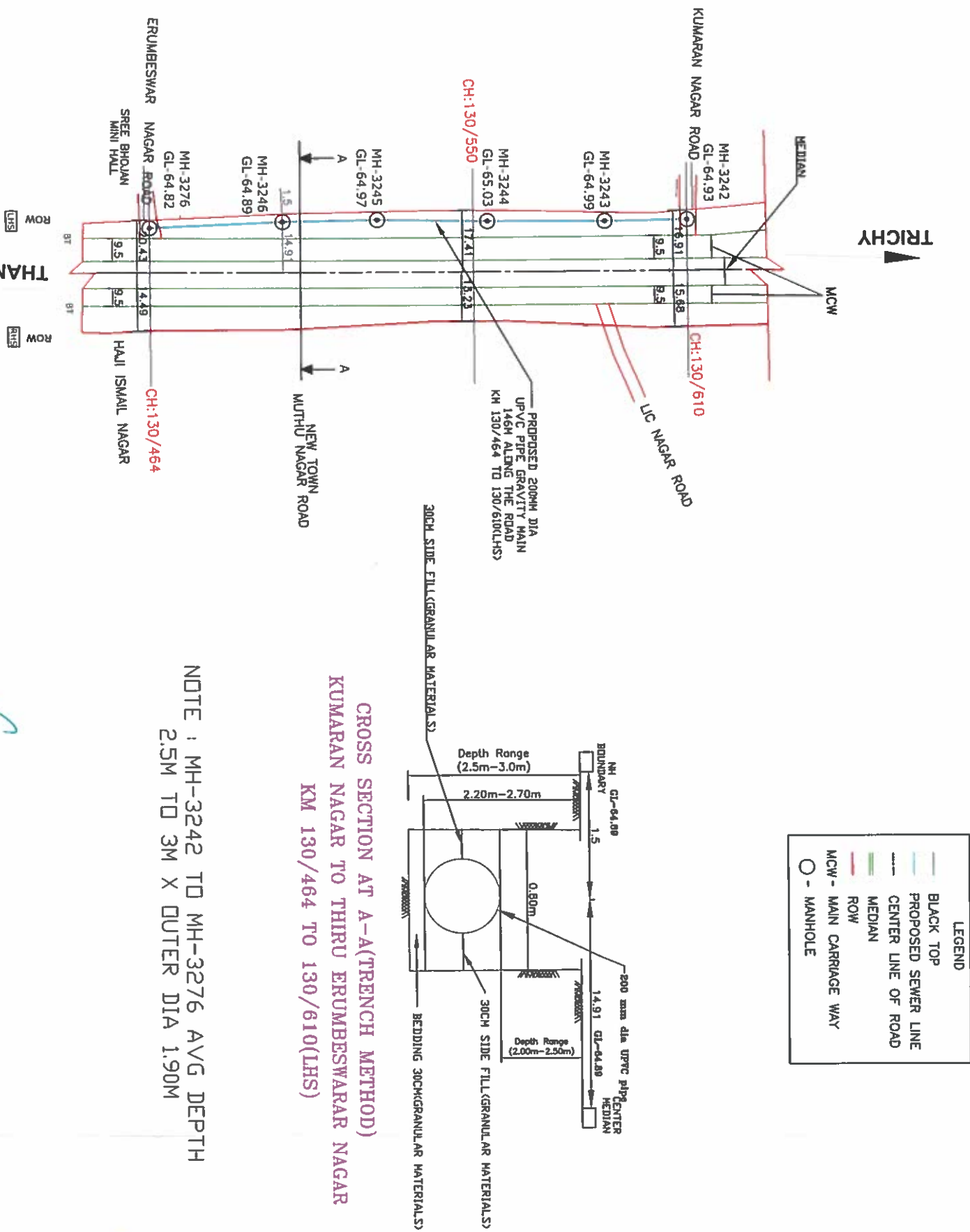
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 130/464 TO 130/610 LHS (146M) IN
TRICHY-TANJORE NH ROAD (KUMARAN NAGAR JUNCTION TO THIRU
ERUMBESWAR NAGAR)



h. Ramf.
Support Engineer-2
STC-Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

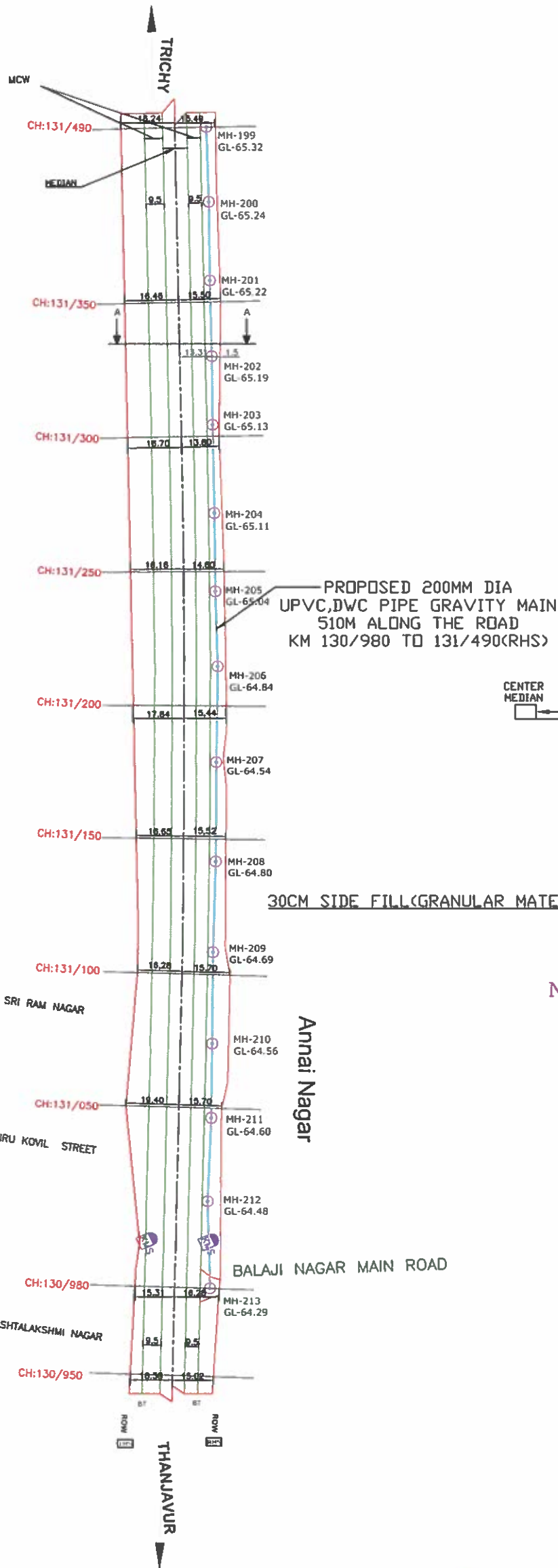
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation

DGM (I) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR.

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

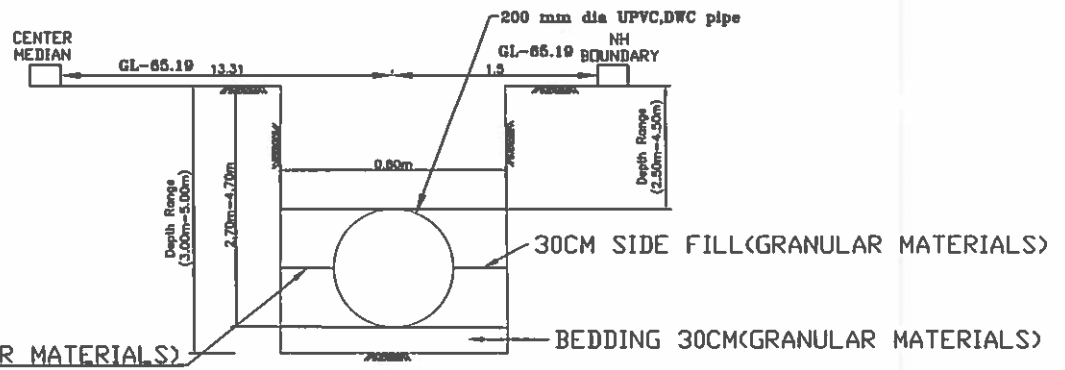
PROPOSED 200MM DIA UPVC, DWC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 130/980 TO
131/490 RHS (510M) IN TRICHY-TANJORE NH ROAD (TVS
SHOWROOM TO BALAJI NAGAR JUNCTION)



LEGEND

- BLACK TOP
- PROPOSED SEWER LINE
- CENTER LINE OF ROAD
- MEDIAN
- ROW
- MCW - MAIN CARRIAGE WAY

PROPOSED 200MM DIA
UPVC,DWC PIPE GRAVITY MAIN
510M ALONG THE ROAD
KM 130/980 TO 131/490(RHS)



CROSS SECTION AT A-A(TRENCH METHOD)
NEAR TVS SHOWROOM TO BALAJI NAGAR
KM 130/980 TO 131/490(RHS)

NOTE : MH-199 TO MH-213 AVG DEPTH
3.00M TO 5.00M X OUTER DIA 1.90M

M. Y. S. I. P.

D.
NA

DIRECTOR
M. & C. A.

f. Ravey.
Support Engineer-2
STC Tiruchirappalli

[Signature]
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

[Signature]
Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

[Signature]
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

[Signature]
CITY ENGINEER
Tiruchirappalli City Corporation

PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 131/481 TO 131/570 RHS (89M) IN
TRICHY-TANJORE NH ROAD (TVS SHOWROOM TO VIN NAGAR JUNCTION)



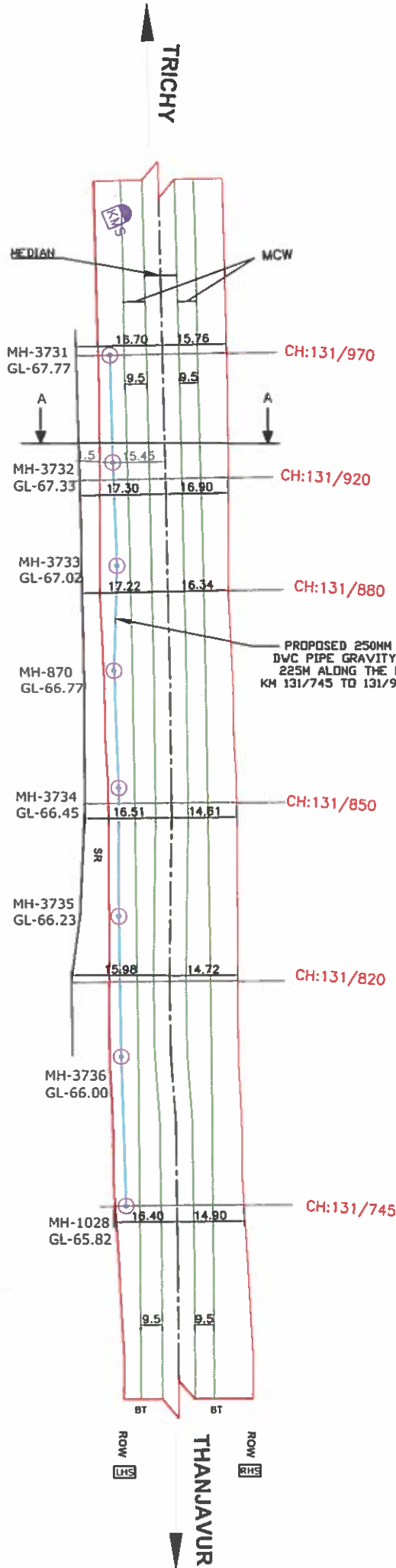
TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 250MM DIA DWC SEWER GRAVITY MAIN ALONG EXTREME END OF ROW IN NH-67 BETWEEN KM 131/745 TO 131/970 LHS (225M) IN TRICHY-TANJORE NH ROAD (AVM JOTHI NAGAR JUNCTION TO SAKTHI NAGAR 1ST CROSS)

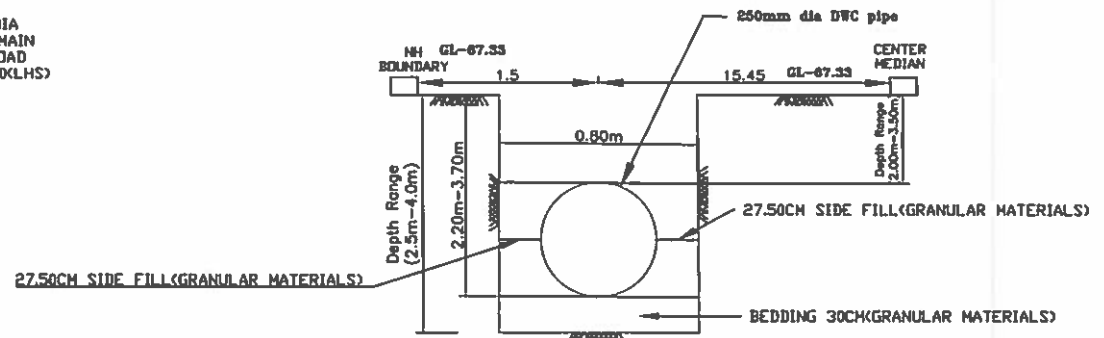


LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE
	SR - SERVICE ROAD

AVM JOTHI NAGAR



SAKTHI NAGAR



CROSS SECTION AT A-A(TRENCH METHOD)
AVM JOTHINAGAR TO SAKTHINAGAR 1ST CROSS
KM 131/745 TO 131/970(LHS)

NOTE : MH-1028 TO MH-3731 AVG DEPTH 2.50M TO 4.00M X OUTER DIA 1.90M

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

Support Engineer-1
STC - Tiruchirappalli

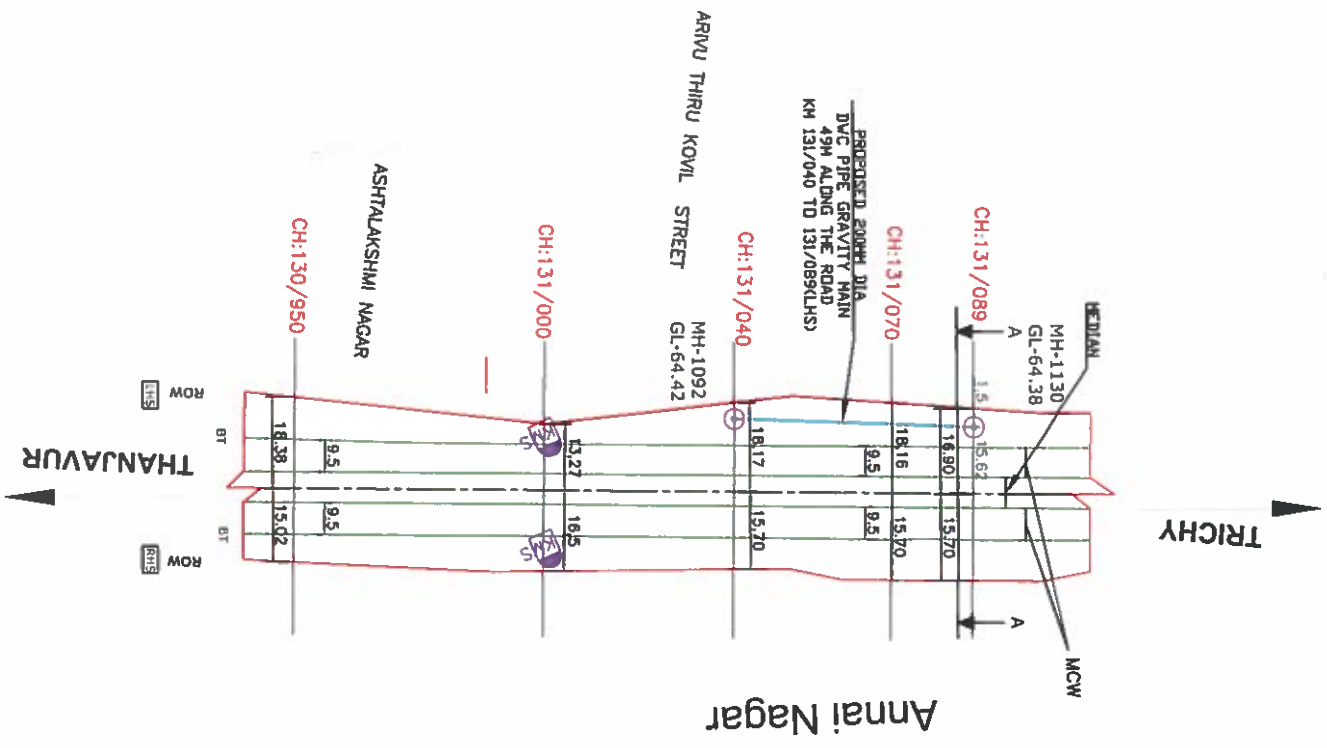
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

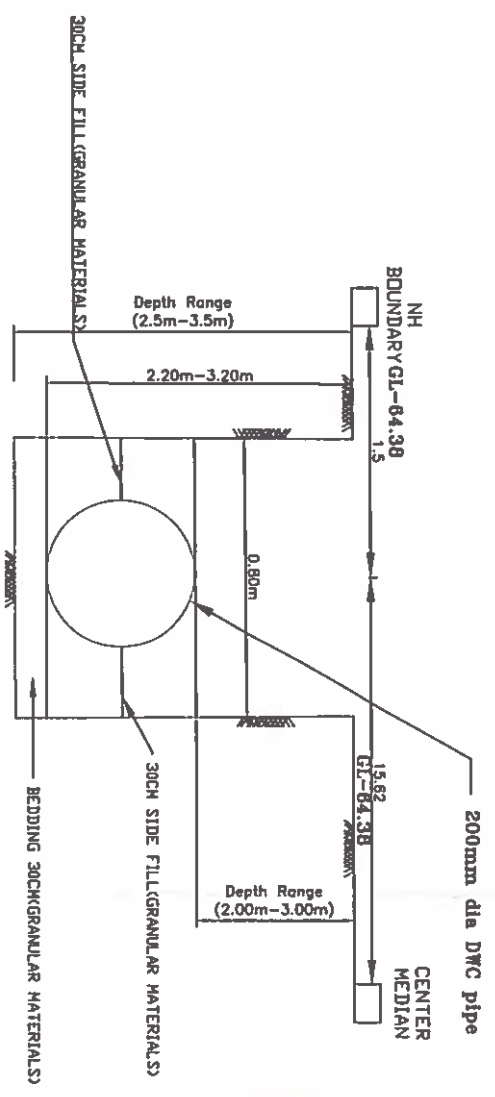
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA DWC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 131/040 TO 131/089 LHS (49M) IN
TRICHY-TANJORE NH ROAD (ARIVU THIRU KOVIL ARCH TO SRIRAM NAGAR)



LEGEND

—	BLACK TOP
—	PROPOSED SEWER LINE
—	CENTER LINE OF ROAD
—	MEDIAN
—	ROW
—	MCW - MAIN CARRIAGE WAY
○	MANHOLE
—	SR - SERVICE ROAD



CROSS SECTION AT A-A(TRENCH METHOD)
ARIVUTHIRU KOVIL TO SRIRAM NAGAR NAGAR
KM 131/040 TO 131/089(LHS)

NOTE : MH-1130 AND MH-1092 AVG DEPTH
2.5M TO 3.5M X OUTER DIA 1.90M

Support Engineer
STC-Trichirappalli

Construction Manager
CMSC Trichy Project
STC - Trichirappalli

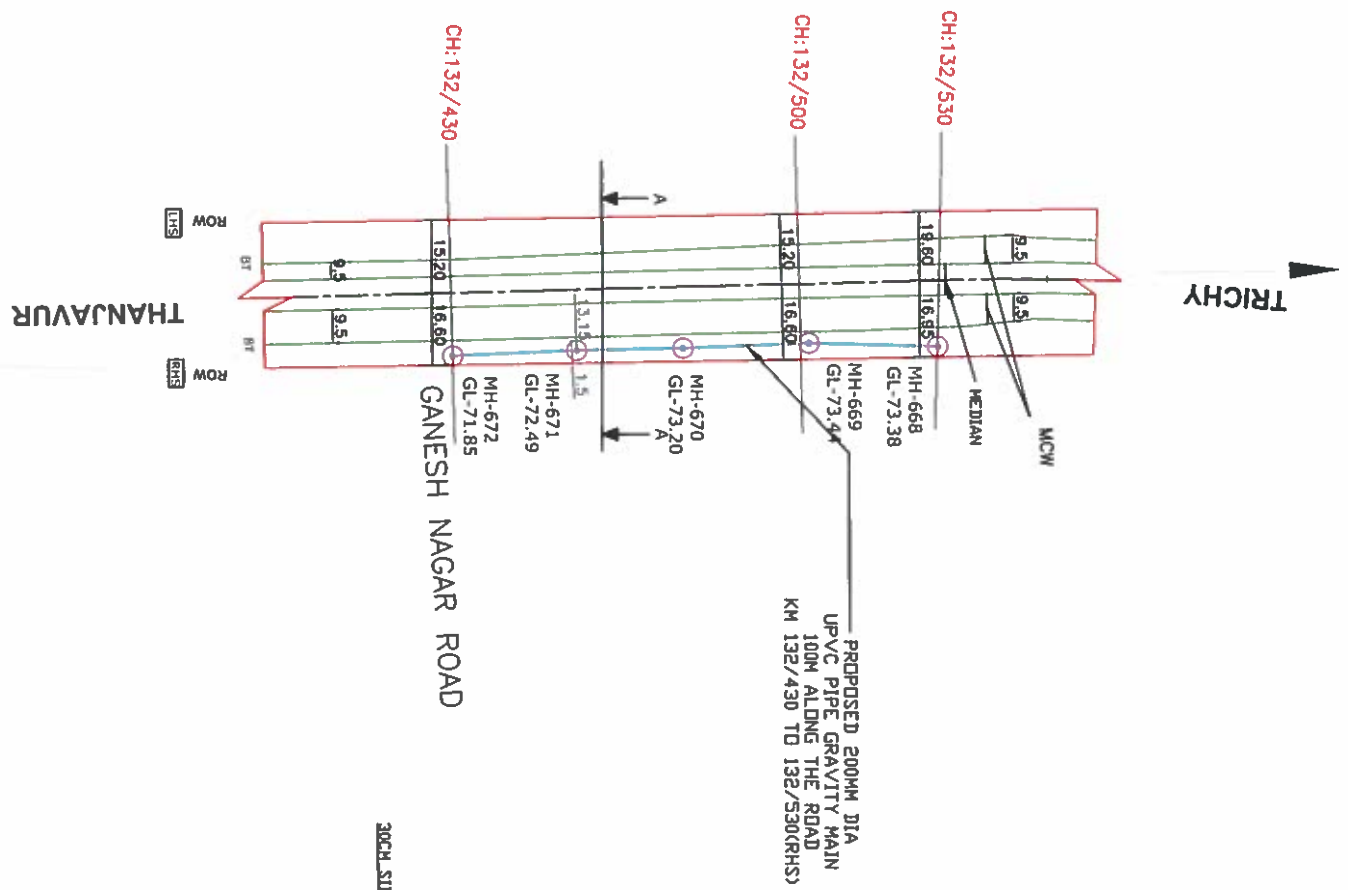
Team Leader
CMSC Trichy Project
STC - Trichirappalli

EXECUTIVE ENGINEER
Trichirappalli City Corporation

CITY ENGINEER
Trichirappalli City Corporation

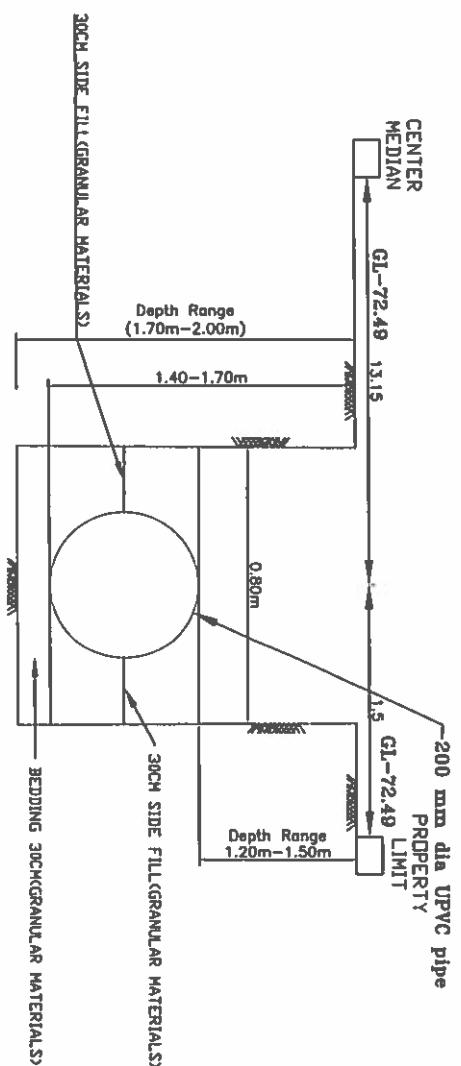
UGSS (T) & PROJECT PRESENTATION
NAGAR: 131/040 TO 131/089 LHS
P.C. - THANJAVUR

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 132/430 TO 132/530 RHS (100M) IN
TRICHY-TANJORE NH ROAD (ELLAKUDI ROAD NEAR MANJATHIDAL CULVERT
TO GANESH NAGAR)



LEGEND

—	BLACK TOP
—	PROPOSED SEWER LINE
—	CENTER LINE OF ROAD
—	MEDIAN
—	ROW
—	MCW - MAIN CARRIAGE WAY
○	MANHOLE



CROSS SECTION AT A-A (TRENCH METHOD)
NEAR MANJATHIDAL CULVERT TO
GANESH NAGAR
KM 132/430 TO 132/530 (RHS)

NOTE : MH-668 TO MH-672 AVG DEPTH
1.70M TO 2M OUTER DIA X 1.40M

K. Ravi
Support Engineer-2
STC-Tiruchirappalli

M. M. M.
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

S. S. S.
Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

S. S. S.
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

S. S. S.
CITY ENGINEER
Tiruchirappalli City Corporation

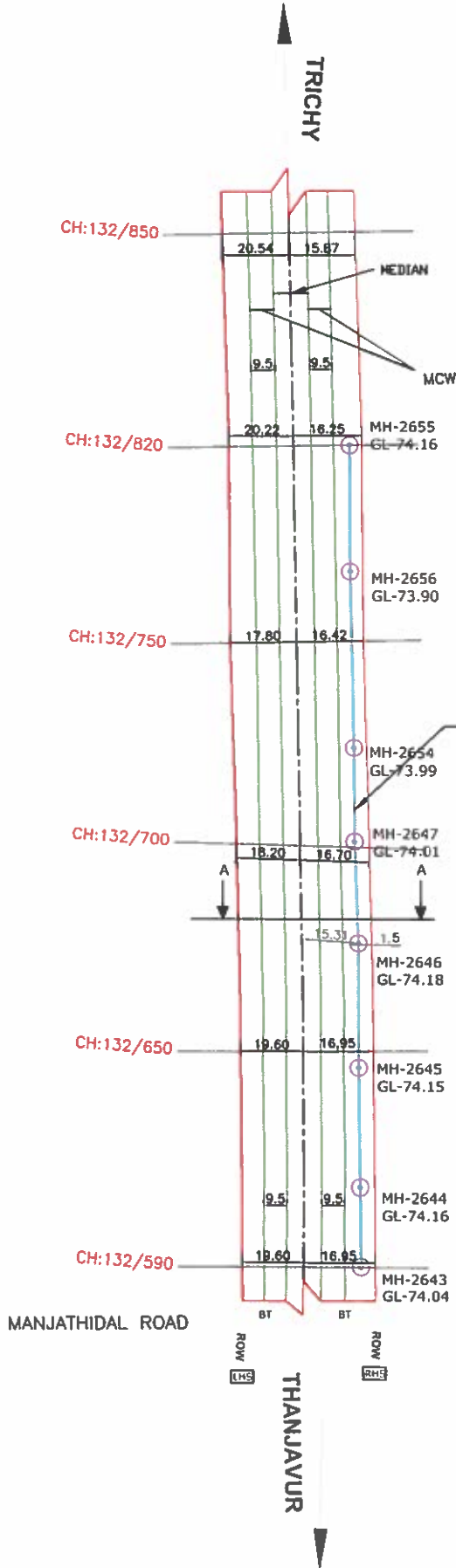
S. S. S.
DCM (D) & PROJECT DIRECTOR
NAROWA & SUDHAKAR
PIU - THANJAVUR

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF ROW IN NH-67 BETWEEN KM 132/590 TO 132/820 RHS (230M) IN TRICHY-TANJORE NH ROAD (NEAR MANJATHIDAL CULVERT TO GANDHI NAGAR)

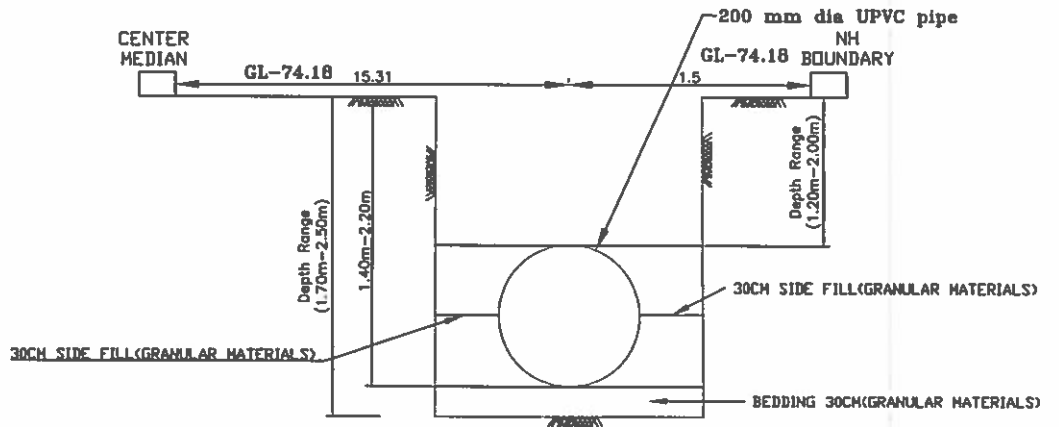


LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE
	SR - SERVICE ROAD



Vasantha Nagar

PROPOSED 200MM DIA UPVC PIPE GRAVITY MAIN 230M ALONG THE ROAD KM 132/590 TO 132/820(RHS)



CROSS SECTION AT A-A(TRENCH METHOD)
NEAR MANJATHIDAL CULVERT TO
GANDHI NAGAR
KM 132/590 TO 132/820(RHS)

NOTE : MH-2643 TO MH-2655 AVG DEPTH 1.70M TO 2.50M X OUTER DIA 1.90M

H. K. K.

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY
P.O. THANJAVUR

S. Ravi
Support Engineer-2
STC-Tiruchirappalli

S. K. S.
Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

S. K. S.
Team Leader
CMSC Trichy
STC - Tiruchirappalli

S. K. S.
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

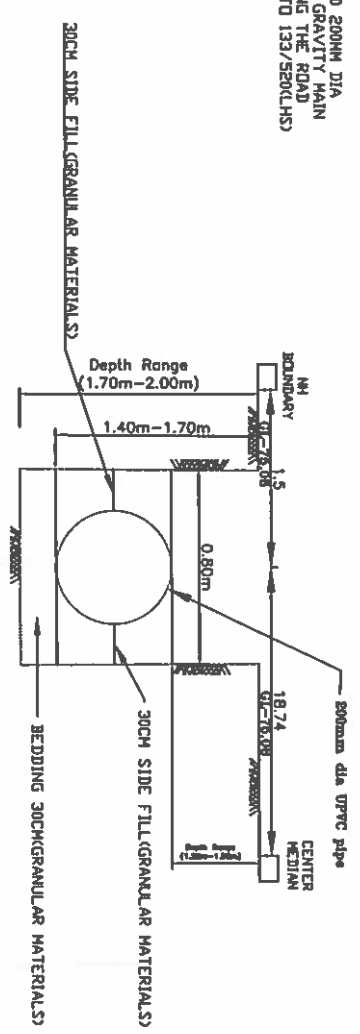
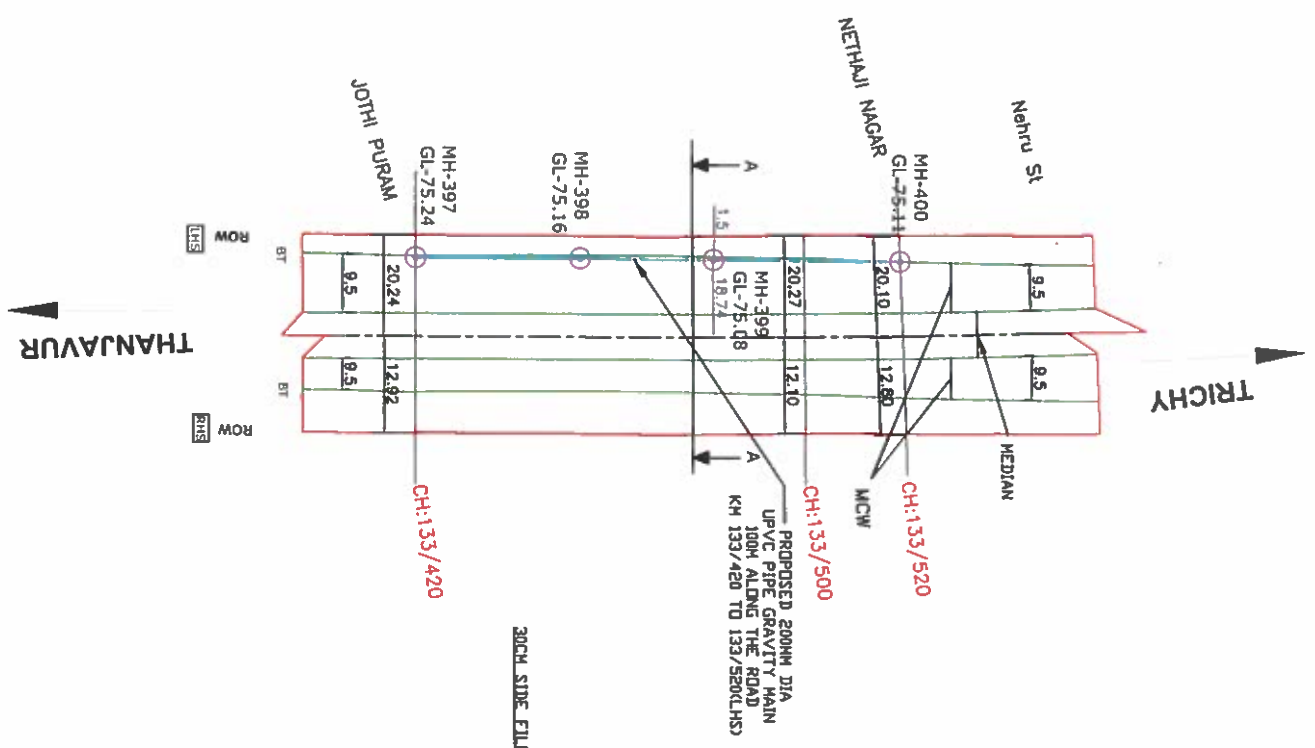
S. K. S.
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 133/420 TO 133/520 LHS (100M) IN
TRICHY-TANDORE NH ROAD (NETHAJI SALAI TO SRIDEVI GANGAIYAMMAN
KOVIL ARCH)



LEGEND

—	BLACK TOP
—	PROPOSED SEWER LINE
—	CENTER LINE OF ROAD
—	MEDIAN
—	ROW
—	MCW - MAIN CARRIAGE WAY
○	MANHOLE
—	S.R - SERVICE ROAD



CROSS SECTION AT A-A (TRENCH METHOD)
NETHAJI SALAI (BURMA COLONY) TO SRIDEVI GANGAI AMMAN
KM 133/420 TO 133/520 (LHS)

NOTE : MH-397 TO MH-400 AVG DEPTH
1.70M TO 2.00M OUTER DIA X 1.40M

Support Engineer-1
STC-Trichirappalli

Construction Manager
CMSC Trichy Project
STC - Trichirappalli

Team Leader
CMSC Trichy Project
STC - Trichirappalli

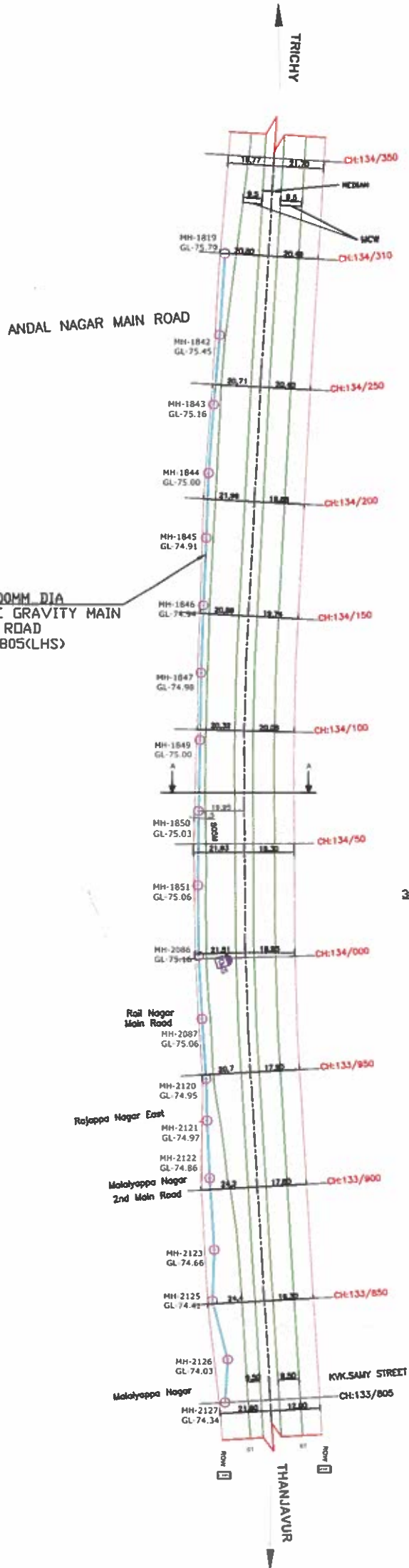
EXECUTIVE ENGINEER
Trichirappalli City Corporation

CITY ENGINEER
Trichirappalli City Corporation

DEPUTY DIRECTOR
NORTH ZONE
TAMIL NADU
PUDUCHERRY

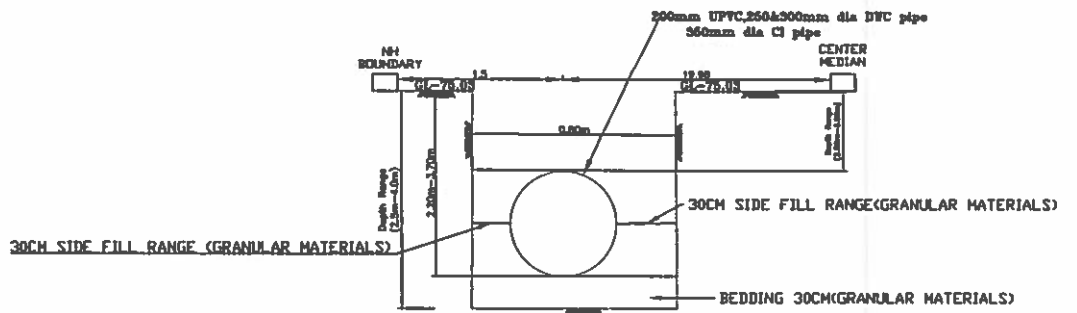
TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 200MM UPVC, 250MM,300MM DIA DWC AND
350MM CI SEWER GRAVITY MAIN ALONG EXTREME END OF
ROW IN NH-67 BETWEEN KM 133/805 TO 134/310 LHS (505M)
IN TRICHY-TANJORE NH ROAD (NEAR RELIANCE SUPER
MARKET TO MALAIYAPPA NAGAR)



PROPOSED 200,250,300MM DIA
DWC PIPE,350MM UPVC PIPE GRAVITY MAIN
505M ALONG THE ROAD
KM 134/310 TO 133/805(LHS)

LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	SR - SERVICE ROAD



CROSS SECTION AT A-A(TRENCH METHOD)
RELIANCE SUPER MARKET TO MALAYAPPA
NAGAR
KM 133/805 TO 134/310(LHS)

NOTE : MH-2127 TO MH-1819 AVG DEPTH
2.5M TO 4M X OUTER DIA 1.90M

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

Support Engineer-2
STC-Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

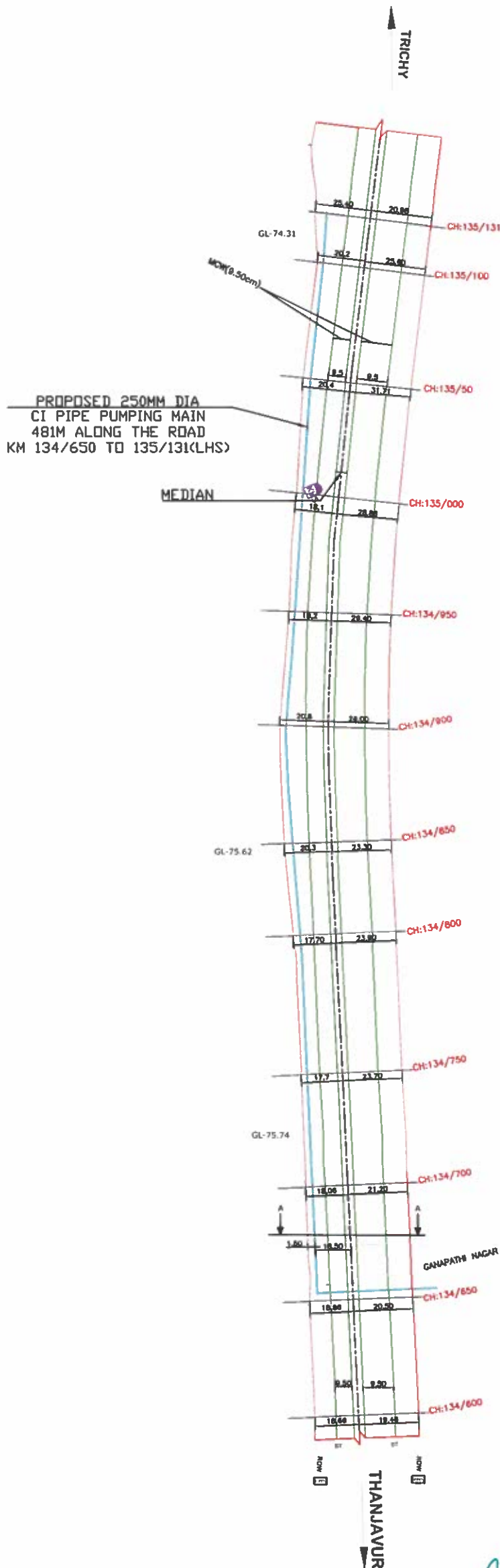
Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

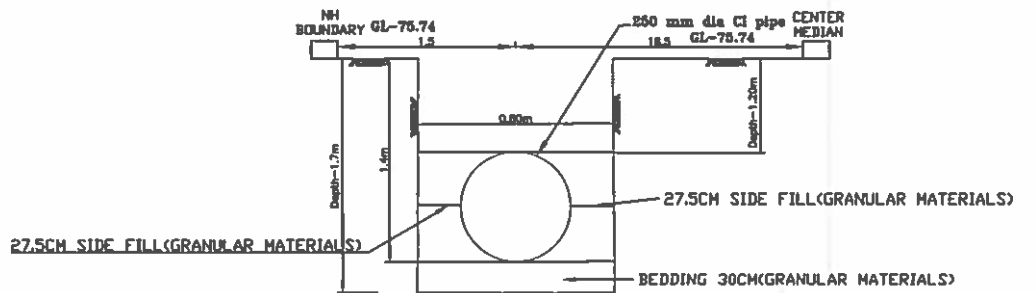
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 250MM DIA CI PIPE SEWER PUMPING MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 134/650 AND
135/131 LHS (481M) IN TRICHY-TANJORE NH ROAD
(GANAPATHY NAGAR TO JAGANATHAPURAM JUNCTION)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	SR - SERVICE ROAD



CROSS SECTION AT A-A(TRENCH METHOD)
SIT(Ganapathy Nagar) TO JEGANATHAPURAM
KM 134/650 TO 135/131(LHS)

Handwritten signature

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
P.O. THANJAVUR

Support Engineer-1
STC Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC Tiruchirappalli

Team Leader
CMSC Trichy Project
STC Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

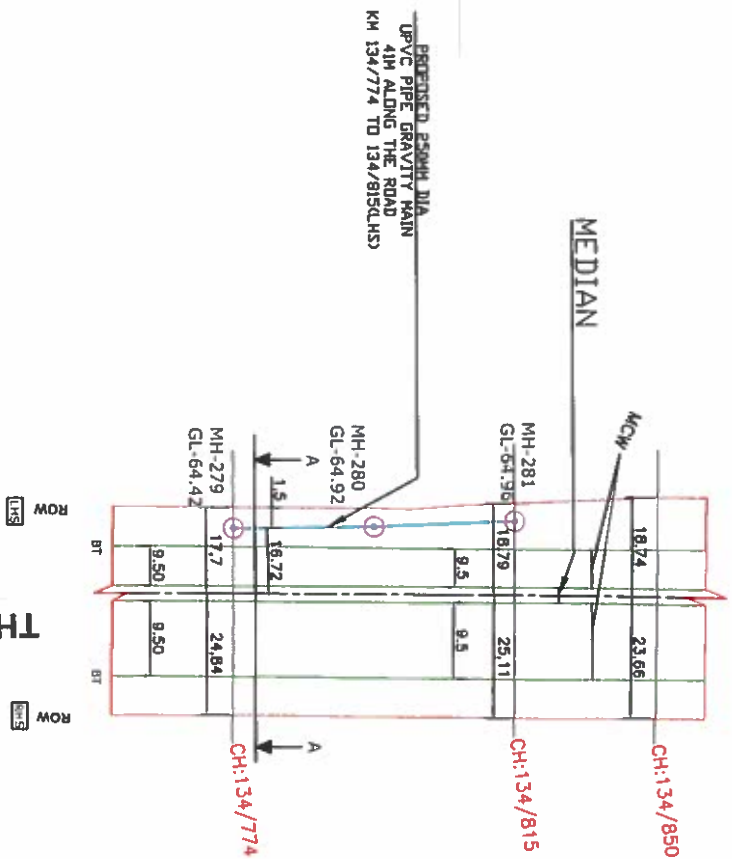
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 134/774 TO
134/815 LHS (41M) NEAR STEEL SHOP TO URAKIDANGU
ROAD)

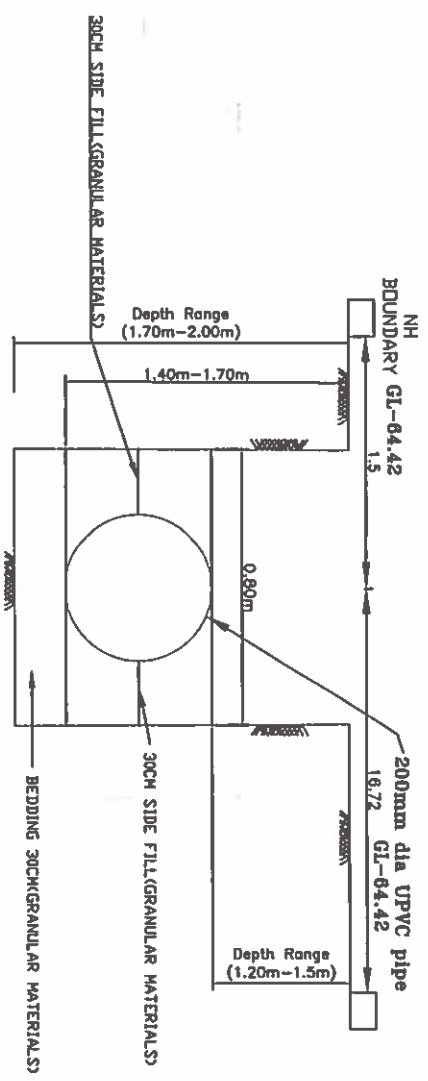


TRICHY

THANJAVUR



LEGEND	
—	BLACK TOP
—	PROPOSED SEWER LINE
—	CENTER LINE OF ROAD
—	MEDIAN
—	ROW
—	MCW - MAIN CARRIAGE WAY
○	MANHOLE
—	SR - SERVICE ROAD



CROSS SECTION AT A-A (TRENCH METHOD)
NEAR STEEL SHOP TO URAKIDANDU
KM 134/774 TO 134/815 (LHS)

NOTE : MH-279 TO MH-281 AVG DEPTH
1.7M TO 2M X OUTER DIA 1.90M

Support Engineer-1
STC-Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

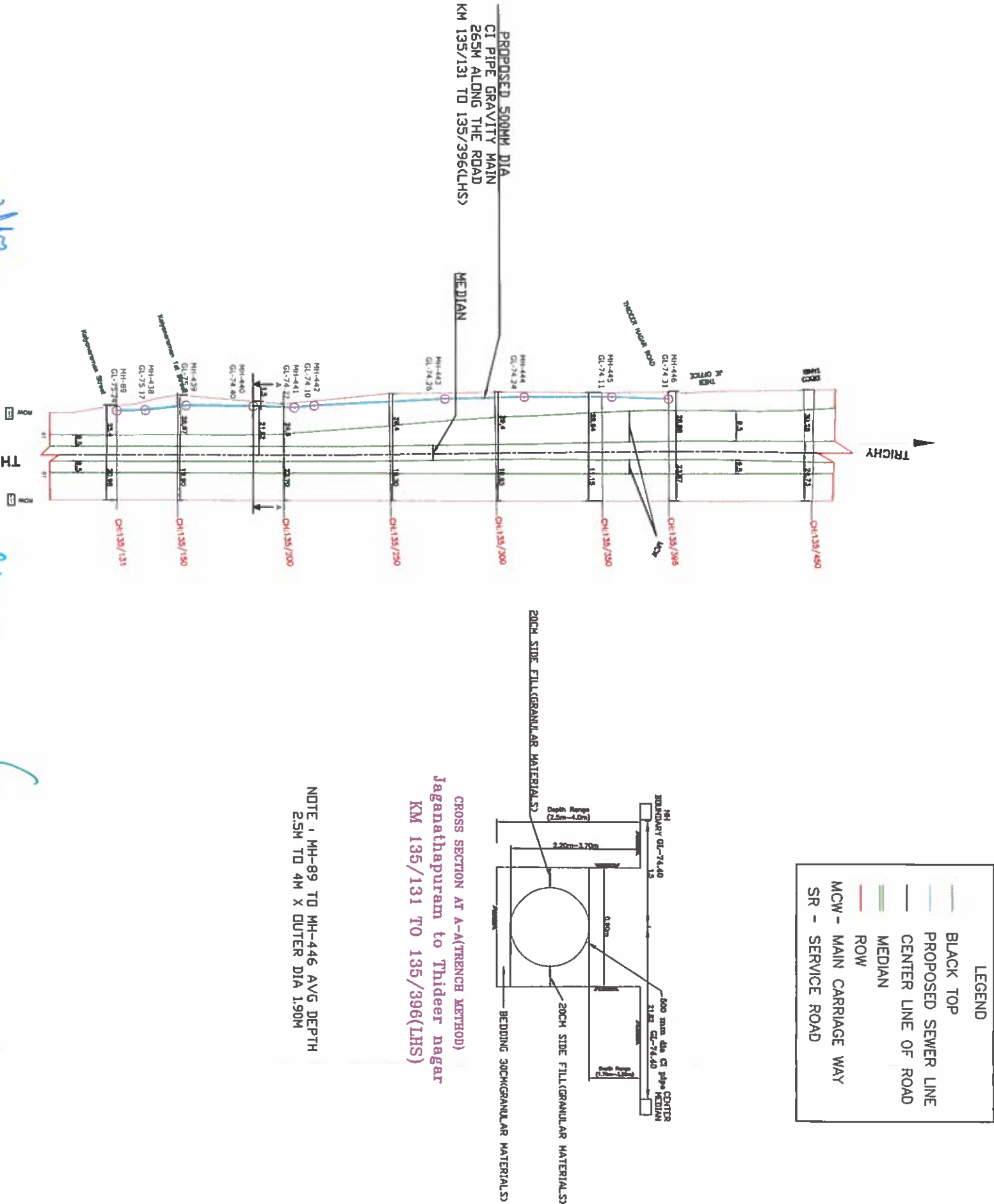
EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation

DCM (T) & PROJECT DIRECTOR
NORTH ZONE
THANJAVUR

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 500MM DIA CI PIPE SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 135/131 TO
135/396 LHS (265M) IN TRICHY-TANJORE NH ROAD
(JAGANATHAPURAM TO ARIYAMANGALAM THIDIR ROAD)



Support Engineer-1
STC-Truchirappalli

Construction Manager
CMSC Trichy Project
STC - Truchirappalli

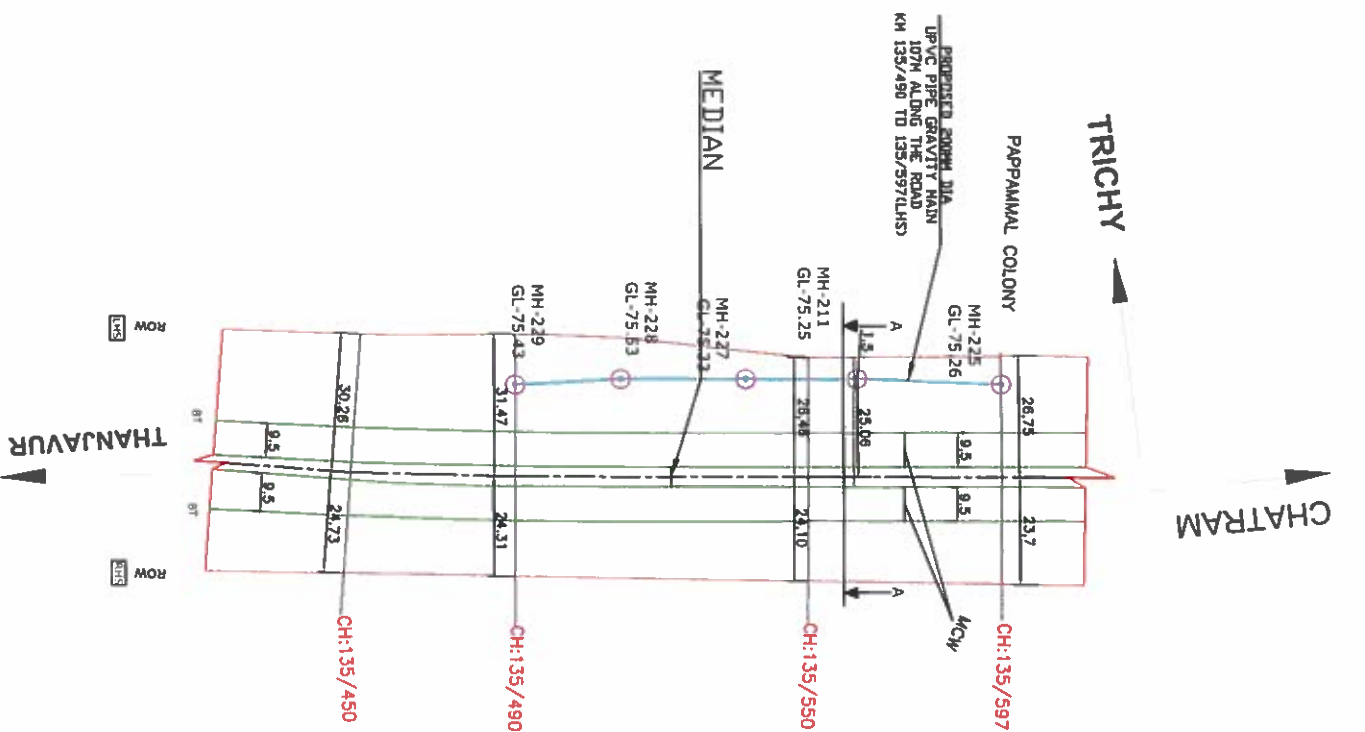
Team Leader
CMSC Trichy Project
STC - Truchirappalli

EXECUTIVE ENGINEER
Truchirappalli City Corporation

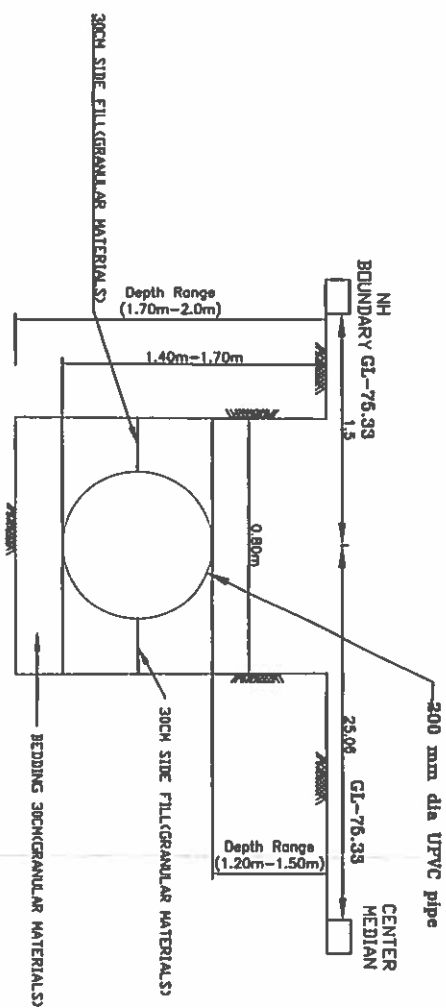
CITY ENGINEER
Truchirappalli City Corporation

DCM IT & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU, THANJAVUR

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 135/490 TO
135/597 LHS (107M) IN TRICHY-TANJORE NH ROAD (NEAR
UKKADAI FLYOVER)



LEGEND	
—	BLACK TOP
—	PROPOSED SEWER LINE
—	CENTER LINE OF ROAD
—	MEDIAN
—	ROW
—	MCW - MAIN CARRIAGE WAY
○	MANHOLE



CROSS SECTION AT A-A (TRENCH METHOD)
PAPPAMMAL COLONY TO SIDCO INDUSTRIAL
KM 135/490 TO 135/597 (LHS)

NOTE : MH-225 TO MH-229 AVG DEPTH
1.70M TO 2.00M X OUTER DIA 1.90M

Support Engineer-1
STC-Trichirappalli

Consultant Engineer
CMSC Trichy Project
STC - Trichirappalli

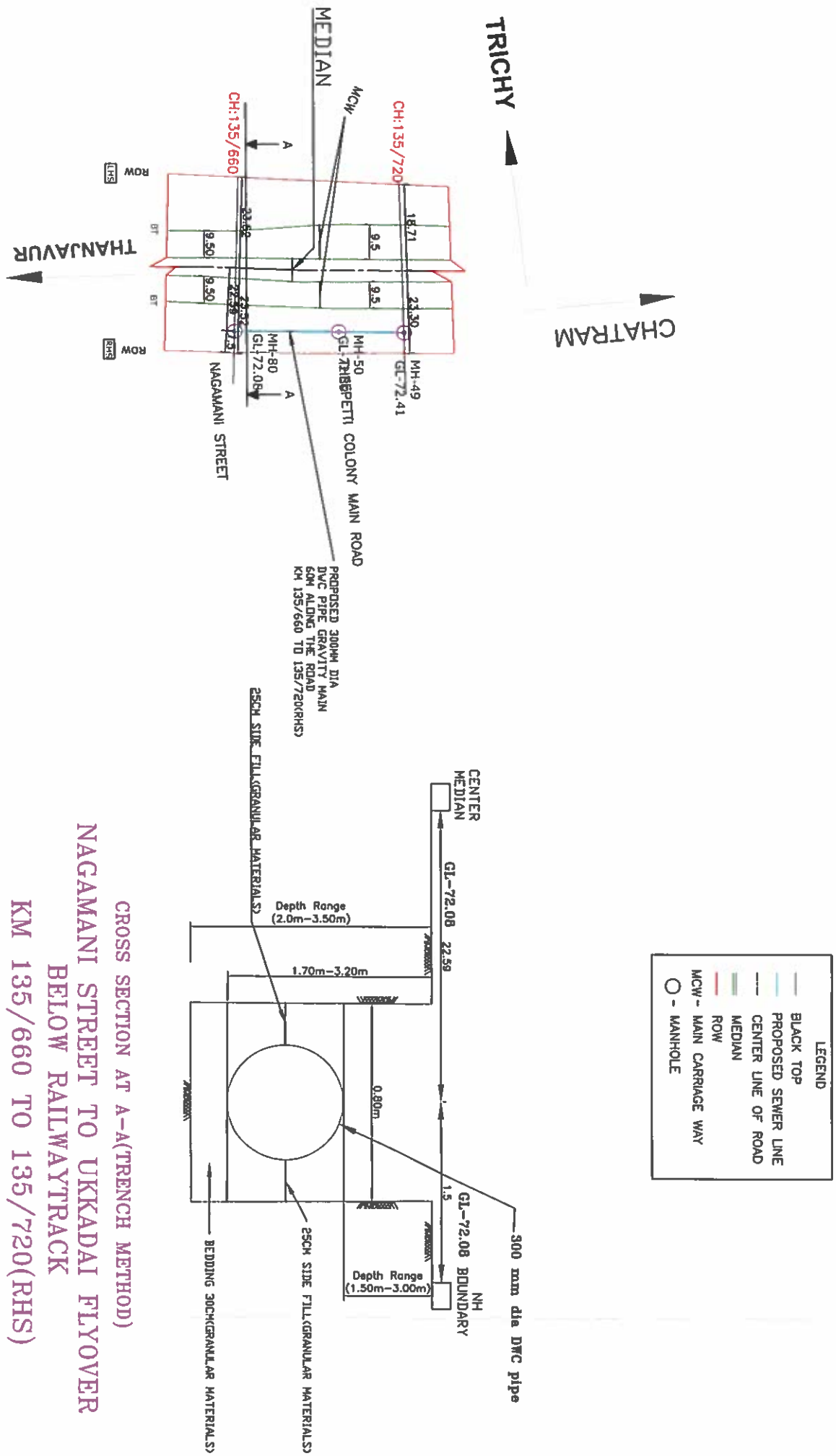
Trichirappalli City Corporation
CMSC Trichy Project
STC - Trichirappalli

EXECUTIVE ENGINEER
Trichirappalli City Corporation

CITY ENGINEER
Trichirappalli City Corporation

DGM (T) & PROJECT DIRECTOR
NCCO, TAMIL NADU
P.O. - THANJAVUR

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I
PROPOSED 300MM DIA DWG SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 135/660 TO
135/720 RHS (60M) IN TRICHY-TANJORE NH ROAD
(NAGAMANI STREET TO UKKADAI FLY OVER)



CROSS SECTION AT A-A(TRENCH METHOD)
NAGAMANI STREET TO UKKADAI FLYOVER
BELOW RAILWAYTRACK
KM 135/660 TO 135/720(RHS)

NOTE : MH-80 TD MH-49 AVG DEPTH
2.00M TD 3.50M X OUTER DIA 1.90M

Support
STC - Trichirappalli

Construction
CHSC Trichy Project
STC - Trichirappalli

Trichy
STC - Trichirappalli

EXECUTIVE ENGINEER
Trichirappalli City Corporation

CITY ENGINEER
Trichirappalli City Corporation

PROJECT DIRECTOR
NAGAMANI STREET TO UKKADAI FLYOVER
STC - THANJAVUR



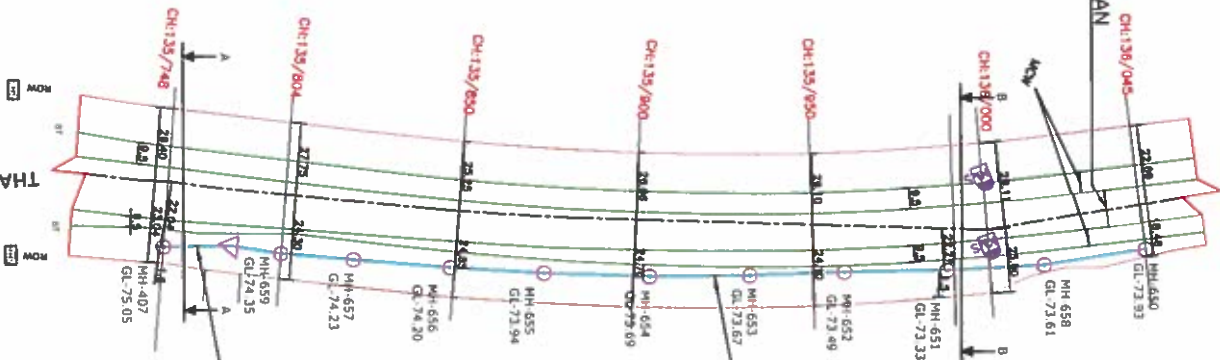
TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 200MM DIA DVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 135/748 TO
135/804 RHS (56M) IN TRICHY-TANJORE NH ROAD
(NEAR UKKADAI FLY OVER)

PROPOSED 250MM DIA DVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 135/804 TO
136/045 RHS (241M) IN TRICHY-TANJORE NH ROAD (NEAR
UKKADAI FLYOVER)

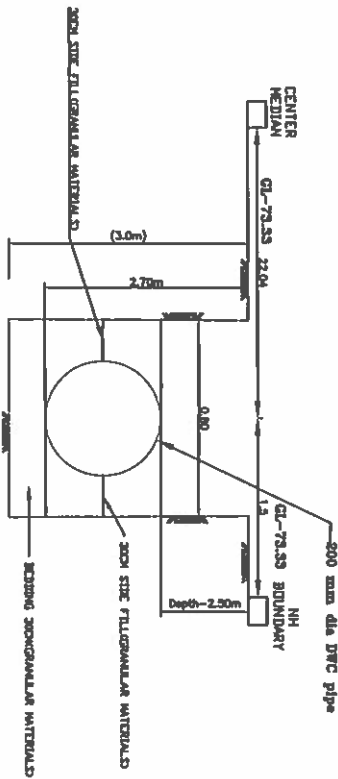
TRICHY
CHATTRAM

ATTUPALAM



PROPOSED 250MM DIA
DVC PIPE GRAVITY MAIN
241M ALONG THE ROAD
KM 136/804 TO 135/045(RHS)

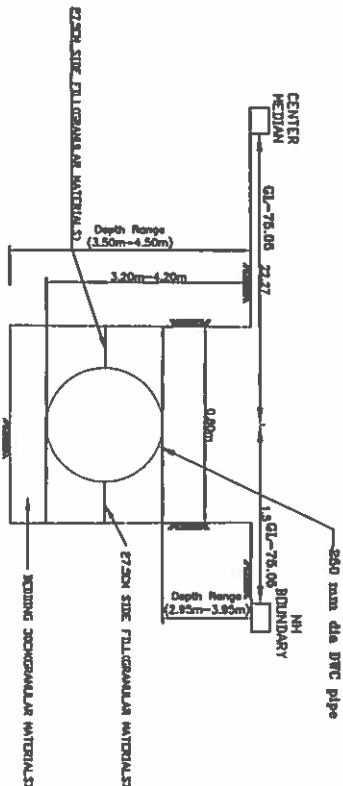
PROPOSED 200MM DIA
DVC PIPE GRAVITY MAIN
56M ALONG THE ROAD
KM 135/748 TO
135/804(RHS)



CROSS SECTION AT A-A (TRENCH METHOD)

UKKADAI FLYOVER BELOW RAILWAYTRACK TO
LS-2b UKKADAI FLYOVER
KM 135/748 TO 135/804(RHS)

NOTE : MH-407 AVG DEPTH 3M OUTER DIA X 1.40M



CROSS SECTION AT B-B (TRENCH METHOD)

AATTUPALAM 1ST STREET TO LS-2b UKKADAI FLYOVER(18)
KM 135/804 TO 136/045(RHS)

NOTE : MH-659 TO MH-650 AVG DEPTH
3.5M TO 4.5M X OUTER DIA 1.90M

LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE

Support Engineer-1
STC-Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation

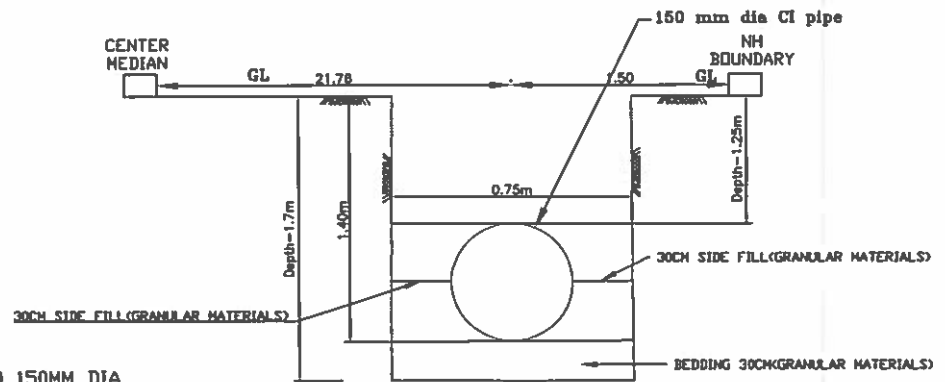
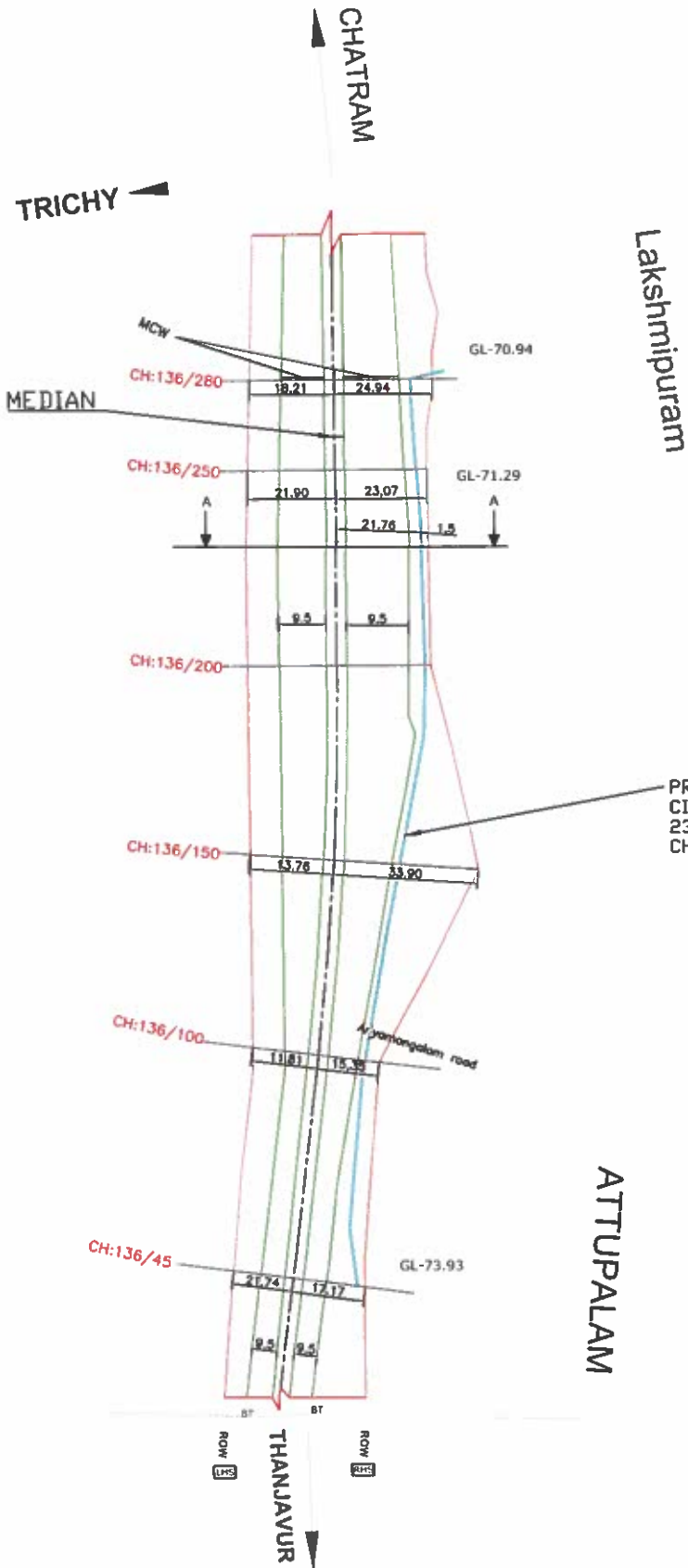
DCM IT & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PUNJAB, INDIA

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 150MM DIA CI SEWER PUMPING MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 136/045 TO
136/280 RHS (235M) IN TRICHY-TANJORE NH ROAD (NEAR
LAKSHMIPURAM)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE



CROSS SECTION AT A-A(TRENCH METHOD)

LAKSHMIPURAM 2ND STREET TO AATHUPALAM
1ST STREET

KM 136/045 TO 136/280(RHS)

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

Support Engineer-1
STC-Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

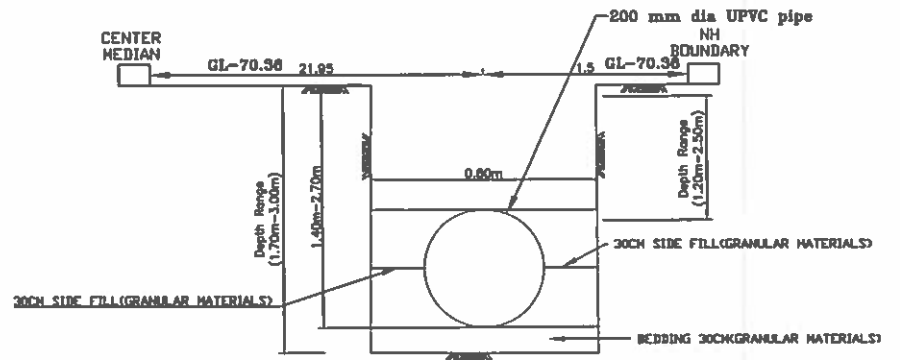
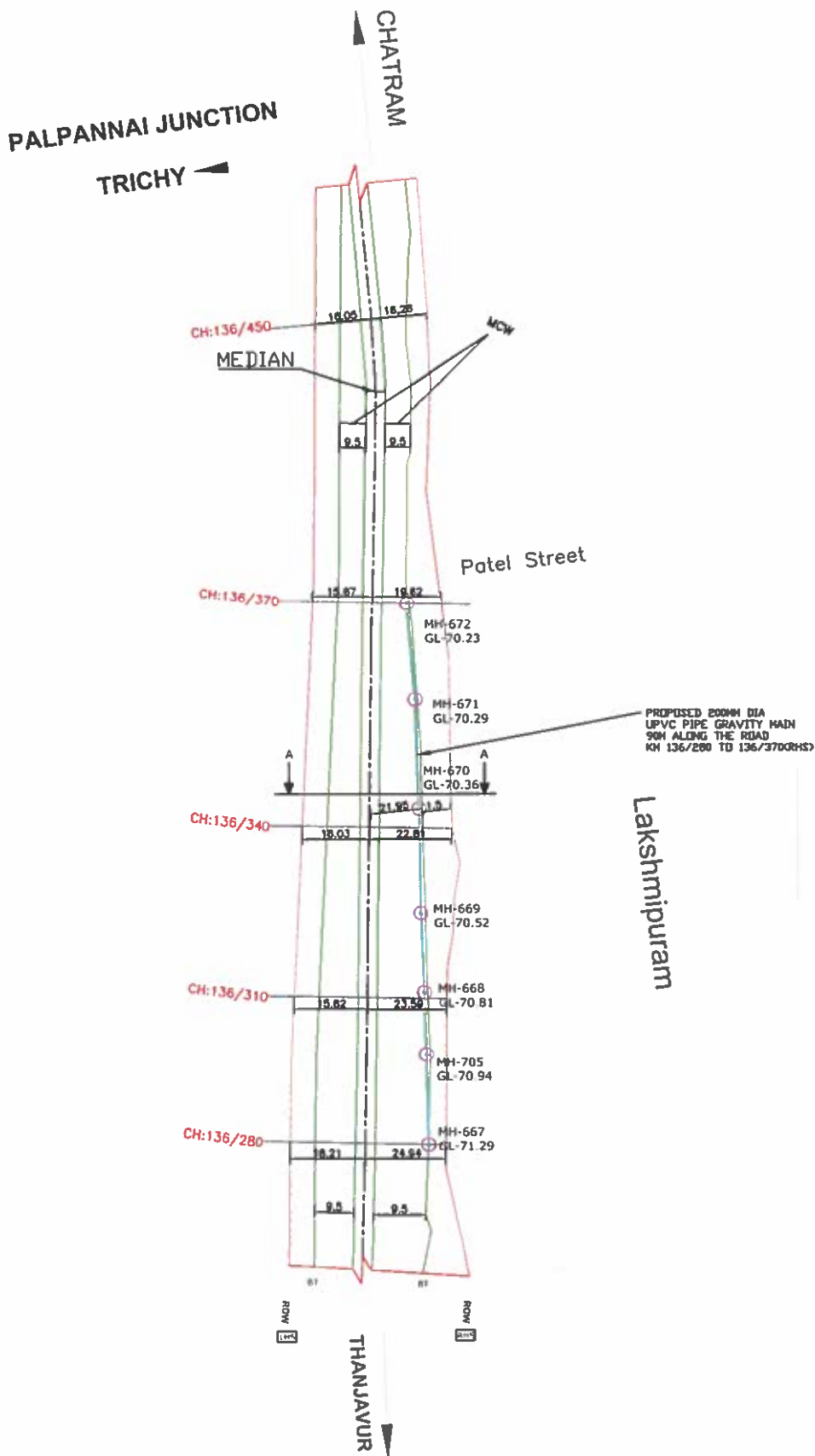
CITY ENGINEER
Tiruchirappalli City Corporation

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 136/280 TO
136/370 RHS (90M) IN TRICHY-TANJORE NH ROAD
(PALPANNAI BUS STOP TO PATTAL NAGAR)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE
	SR - SERVICE ROAD



CROSS SECTION AT A-A(TRENCH METHOD)
PALPANNAI BUS STOP TO PATAL NAGAR
KM 136/280 TO 136/370(RHS)

NOTE : MH-667 TO MH-672 AVG DEPTH
1.7M TO 3M X OUTER DIA 1.90M

H. J. S. / f
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU - THANJAVUR

Support Engineer-1
STC-Tiruchirappalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirappalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

CITY ENGINEER
Tiruchirappalli City Corporation



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/11021/105/2020/2653

Dated: 13.09.2023

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- UGSS - Tiruchirappalli City Corporation Phase-II - Package-I- Request for Permission to lay underground Sewer Pipeline along the road stretch of Thanjavur - Trichy section of NH-67 (New No.83) - Observations made by the Regional Officer Madurai - Reply furnished by City Corporation Trichy - Approval requested - reg.

- Ref:**
1. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.No.4970/2018 E7/(Main) Dated 06.04.2023 (received on 13.04.2023)
 2. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 02.05.2023
 3. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1224 Dated 05.05.2023
 4. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1459 Dated 19.05.2023 (Received on 23.05.2023)
 5. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1434 Dated 24.05.2023
 6. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023
 7. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 13.06.2023
 8. This office Lr.No.NHAI/PIU/Thanj/11021/105/2020/1748 Dated.21.06.2023
 9. M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-23/1531 Dated 27.06.2023 (Received on 30.06.2023)
 10. MORTH NOC Application Details [20230428/1/9/19292/2703] Dated 15.06.2023
 11. This office Lr.No. NHAI/PIU/Thanj/11021/105/2020/1960 Dated.11.07.2023
 12. RO Madurai E.File No.213069 Dated 10.08.2023
 13. This office Lr.No. NHAI/PIU/Thanj/11021/105/2020/2300 Dated.11.08.2023
 14. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 30.08.2023.
 15. Commissioner, Tiruchirappalli City Corporation Lr.No.ROC.4970/2018/E7/Main Dated 05.09.2023

Sir,

The proposal for according permission to lay underground UGSS Tiruchirappalli City Corporation Phase II - Package-I - in (Thanjavur - Trichy section of NH 67 (New NH 83) within the limits of National Highways has been received from the Commissioner,

National Highways Authority of India

Tiruchirappalli City Corporation vide reference 7th cited. The details of sewer pipelines proposed to be laid as below:

- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
- 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
- 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
- 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
- 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
- 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
- 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).

National Highways Authority of India

- 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
- 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
- 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
- 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

Earlier the above proposals were recommended and submitted for according approval by the competent authority vide this office reference 11th cited.

2. Vide reference 12th cited the proposals were examined at Regional Officer, and returned for review and consultation/discussion of the subject proposal with the concerned utility owning agencies in light of the outcome of the meeting and discussions held with Thiru K.N..Nehru, Hon'ble Minister for Municipal Administration and Thiru.Anbil Mahesh Poyyamozi, Hon'ble Minister of School Education and District Administration, Trichy on 08.08.2023 for exploring the possibility of construction of service road along the main carriageway from Thuvakudi to Palpanai from Km 121+100 to Km 136+515 in Thanjavur - Trichy Section of NH-67 (New No:83) against the proposed elevated corridor. This has been communicated to Commissioner Tiruchirappalli City Corporation vide reference 13th cited.

3. Further, the Commissioner Tiruchirappalli City Corporation vide reference 14th & 15th cited has furnished their reply as follows:

The above matter has been discussed in the interdepartmental Co-ordination meeting conducted by the District Collector, on 17.08.2023 at Collectorate, Trichy. In the above meeting, it was decided that, necessary undertaking by the utility owning agency may be submitted to NHAI to relocate the sewer pipe line at their own cost from the present location to a suitable location as per and at the direction of NHAI, due to the existence of an alternate demand for a pservice road along the highway. In light of outcome of the meeting, the Collector has directed that the above proposal should be re-submitted to NHAI by submitting the aforesaid undertaking.

Accordingly a undertaking has been submitted in 20 Rupees stamp paper duly signed by the City Engineer, Tiruchirapallai City Corporation on behalf of Commissioner of Tiruchirapalli city corporation to shift the sewer pipeline in 21

National Highways Authority of India

locations at their own cost whenever development work on the taken up by NHAI.
The original undertaking is enclosed herewith.

Hence, the proposal of the Commissioner, Tiruchirappalli City Corporation Trichy seeking permission for laying Sewer Pipeline along the road stretch of Thanjavur - Trichy section of NH-67 in the State Tamil Nadu may be considered and approval may be accorded.

Encl: As above

Yours faithfully,



(P.Selva Kumar)
General Manager(T) &
Project Director.
NHAI-PIU-Thanjavur

Copy to: 1.Team Leader M/s.MSV International Inc Trichy for information
2. The Commissioner, Tiruchirappalli City Corporation Trichy for information

Municipal Administration and Water Supply Department

From
Dr. R. Vaithinathan, I.A.S
Commissioner
Tiruchirappalli City Corporation
Tiruchirappalli – 620 001



To
The Project Director,
Project Implementing Unit,
NHAI, NO:54, 1st floor,
Natarajapuram North colony, Medical
college road,
Thanjavur – 613004.

Roc No: 4970/ 2018/ E7 (Main) Dt. 30.08.2023

NHAI-PIU-THANJAVUR	
1 SEP 2023	
Dy.No:	55103
M(T)	
LAO	
PA	Ref ✓
SE/RS	
SE/SE	
SE/AN	
SE/COUS	

NHAI- PIU- Thanjavur-UGSS-Tiruchirappalli City Corporation Phase-II-Package-I- Request for Permission to lay underground sewer pipeline along and across the road Stretch of Thanjavur-Trichy section of NH67-Proposal Returned-Resubmitted-reg

1. Lr.No: Roc No.4970/2018/E7(Main)/ Dt:19.03.2020/ addressed to PD/ NHAI/ Thanjavur.
2. Lr.No: Roc No.4970/2018/E7(Main)/ Dt:23.06.2020/ addressed to PD/ NHAI/ Thanjavur.
3. Lr.No: NHAI/PIU/Thanj/11021/105/2020/1680/ dt:30.09.2020/ addressed to R.O/ NHAI/ Madurai.
4. Lr.No: NHAI/PIU/Thanj/11021/105/2020/1681/ dt:30.09.2020/ addressed to R.O/ NHAI/ Madurai.
5. Lr.No: NHAI/PIU/Thanj/11021/00/2017/002/ dt:01.01.2021/ addressed to TCC, Trichy.
6. Lr.No: NHAI/PIU/Thanj/11021/105/2020/199/ dt:30.01.2021/ addressed to R.O/ NHAI/ Madurai.
7. Dist. Collector Coordination Meeting on 17.02.2021.
8. Lr.No: NHAI/PIU/Thanj/11021/105/2020/2059/ dt:10.08.2021/ addressed to TCC, Trichy.
9. ROC No:4970/2018/e7(Main) Dt:31.05.2022
10. Dist. Collector Site Inspection with PD on 12.04.2022.
11. Joint Site Inspection by NHAI & TCC officials on 10.05.2022.
12. TCC ROC No: Roc No : 4970/2018 / E7(Main) Dt: 27. 06.2022
13. District Collector Trichy co-ordination meeting conducted on 26.08.2022& 27.08.2022
14. Minutes of Meeting of Chairperson, NHAI with Chief Secretary, Government of Tamil Nadu held in Chennai on 18th August 2022 regarding issues in NHAI's projects in Tamilnadu
15. Minutes of Review meeting in Tamil Nadu by Secretary (RTH) held on 22.09.2022 at Transport Bhawan, New Delhi.
16. TCC letter ROC no.4824/2018/E7(main) Dt:05.01.2023.
17. TCC letter ROC no.4824/2018/E7(main) Dt:06.04.2023
- 18.NHAI-PIU-Thanjavur Lr.No: NHAI/PIU/Thanjavur/ 11021/105/2020/1434 Dated : 24.05.2023
19. TCC Lr No:4970/2018/E7(Main) Dt:13.06.2023

20.PD/NHAI/PIU/Thanjavur Lr No:NHAI/PIU/Thanj/11021/105/2020/1960

Dated:11.07.2023 addressed to RO/Madurai

21. RO/NHAI/Madurai E.File No:213069 Dated: 10.08.2023

22. PD/NHAI/PIU/Thanjavur Lr No:NHAI/PIU/Thanj/11021/105/2020/2300 Dated:
11.08.2023 received on 18.08.2023 addressed to commissioner,TCC

The proposal for permission to lay underground sewer pipe line along the NH 67 road (New NH 83) of Thanjavur-Trichy in 21 locations in the extreme end of ROW from Km 129/670 to Km 136/370 for a total length of 3918M from Thiruverumbur to palpannai has been sent to the PD/NHAI Thanjavur on 13.06.2023 in the reference 19th cited.

In the reference 20th cited, the above proposals have been recommended and submitted to the RO/Madurai by the PD/NHAI/Thanjavur for according approval by the competent authority. The above proposals have been scrutinized at RO office Madurai and called for public comments.

In the reference 21st cited the proposals were returned and stated that the proposals were returned for review and consultation/discussion of the subject proposal with the concerned utility owning agencies in light of the outcome of the meeting and discussions held with Thiru K.N. Nehru, Hon'ble Minister for Municipal Administration and Thiru. Anbil Mahesh poyyamozhi, Hon'ble Minister for school Education and District Administration, Trichy on 08.08.2023 for exploring the possibility of construction of service road along the main carriage way from Thuvakudi to palpannai from KM 121 +100 to Km 136+515 on Trichy-Thanjavur section of NH-67 (New N0:83) against the newly proposed elevated corridor.

Further, it was stated that under the above such circumstances, the proposals are returned herewith and requested to resubmit the proposal after compliance in due course of time.

Based on the above it has been discussed with the PD/NHAI/PIU/Thanjavur on 11.08.2023 by the CMSC Engineers and explained about the necessity of the proposal and requested to expedite the approval process so as to complete the project before the ensuring monsoon period.

The above subject was discussed in the interdepartment co-ordination meeting conducted by the District Collector, Trichy district on 17.08.2023 at collectorate. In the above meeting on behalf of PD/NHAI/Thanjavur, the Manager(Tech)/NHAI/Thanjavur has attended the meeting, and it was informed that, necessary under taking by the utility owning agencies may be given to shift the sewer pipe line in due course due to proposed service road if necessity arises. In light of outcome of the meeting the collector has directed that the above proposal should be immediately resubmitted to the PD/NHAI/Thanjavur by giving relevant undertaking to shift the pipeline in due course if necessity arises and proposal should be got approved by the competent authority early.

In the above context, undertaking is hereby given to shift the sewer pipeline in the following 21 locations along the NH 67 road (Thanjavur-Trichy section) in due course if

necessity arises due to the proposed service road along the main carriage way/widening of road at our own cost. Further, no claim will be made from the NHAI due to the above shifting of sewer pipeline.

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).
7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970 (225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

Hence, I request that the above proposals for the laying of sewer line in the above 21 locations along the NH67 road (Thanjavur-Trichy Section) for a total length of 3918 under Phase-II Package-I in Tiruchirappalli City Corporation under AMRUT Project may please be approved and communicated to this office early so as to complete project before the ensuing monsoon period.


For Commissioner,
Tiruchirappalli City Corporation


30/6/2023

Municipal Administration and Water Supply Department

From
Dr. R. Vaithinathan, I.A.S
Commissioner
Tiruchirappalli City Corporation
Tiruchirappalli – 620 001



To
The Project Director,
Project Implementing Unit,
NHAI, NO:54, 1st floor,
Natarajapuram North colony, Medical
college road,
Thanjavur – 613004.

11021/105

Roc No: 4970/ 2018/ E7 (Main) Dt. 05.09.2023

NHAI-PIU-THANJAVUR	
5 SEP 2023	
Dy.No:	5169
M(T)	
LAO	
PA	✓
SE/RS	Ref
SE/SB	
SE/AN	
ACCORDS	

: NHAI- PIU- Thanjavur-UGSS-Tiruchirappalli City Corporation Phase-II-Package-I- Request for Permission to lay underground sewer pipeline along and across the road Stretch of Thanjavur-Trichy section of NH67-undertaking to shift the sewer pipeline in due course in a stamp paper duly signed send -reg

1. Lr.No: Roc No.4970/2018/E7(Main)/ Dt:19.03.2020/ addressed to PD/ NHAI/ Thanjavur.
2. Lr.No: Roc No.4970/2018/E7(Main)/ Dt:23.06.2020/ addressed to PD/ NHAI/ Thanjavur.
3. Lr.No: NHAI/PIU/Thanj/11021/105/2020/1680/ dt:30.09.2020/ addressed to R.O/ NHAI/ Madurai.
4. Lr.No: NHAI/PIU/Thanj/11021/105/2020/1681/ dt:30.09.2020/ addressed to R.O/ NHAI/ Madurai.
5. Lr.No: NHAI/PIU/Thanj/11021/00/2017/002/ dt:01.01.2021/ addressed to TCC, Trichy.
6. Lr.No: NHAI/PIU/Thanj/11021/105/2020/199/ dt:30.01.2021/ addressed to R.O/ NHAI/ Madurai.
7. Dist. Collector Coordination Meeting on 17.02.2021.
8. Lr.No: NHAI/PIU/Thanj/11021/105/2020/2059/ dt:10.08.2021/ addressed to TCC, Trichy.
9. ROC No:4970/2018/e7(Main) Dt:31.05.2022
10. Dist. Collector Site Inspection with PD on 12.04.2022.
11. Joint Site Inspection by NHAI & TCC officials on 10.05.2022.
12. TCC ROC No: Roc No : 4970/2018 / E7(Main) Dt: 27. 06.2022
13. District Collector Trichy co-ordination meeting conducted on 26.08.2022& 27.08.2022
14. Minutes of Meeting of Chairperson, NHAI with Chief Secretary, Government of Tamil Nadu held in Chennai on 18th August 2022 regarding issues in NHAI's projects in Tamilnadu
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16. TCC letter ROC no.4824/2018/E7(main) Dt:05.01.2023.
17. TCC letter ROC no.4824/2018/E7(main) Dt:06.04.2023
- 18.NHAI-PIU-Thanjavur Lr.No: NHAI/PIU/Thanjavur/ 11021/105/2020/1434 Dated : 24.05.2023

19. TCC Lr No:4970/2018/E7(Main) Dt:13.06.2023
- 20.PD/NHAI/PIU/Thanjavur Lr No:NHAI/PIU/Thanj/11021/105/2020/1960
Dated:11.07.2023 addressed to RO/Madurai
21. RO/NHAI/Madurai E.File No:213069 Dated: 10.08.2023
22. PD/NHAI/PIU/Thanjavur Lr No:NHAI/PIU/Thanj/11021/105/2020/2300 Dated:
11.08.2023 received on 18.08.2023 addressed to commissioner,TCC
23. TCC Lr No:ROC No:4970/2018/E7(Main) Dt:30.08.2023

Anent to the references cited, the proposal for permission to lay underground sewer pipe line along the NH 67 road (New NH 83) of Thanjavur-Trichy (section) in 21 locations in the extreme end of ROW from Km 129/670 to Km 136/370 for a total length of 3918M from Thiruverumbur to palpannai has been already sent to the Project Director /NHAI Thanjavur in various references.

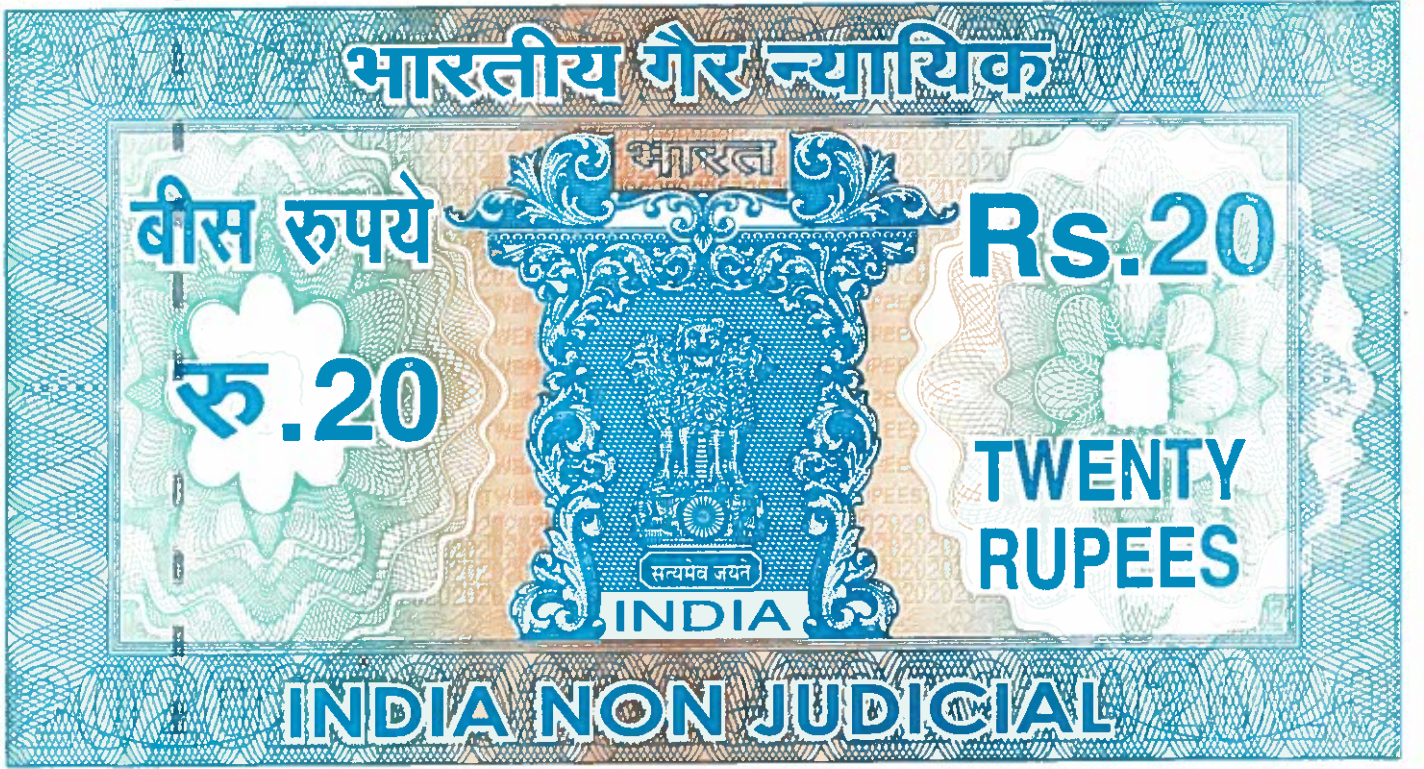
In continuation of the above undertaking is hereby given in a Rs.20 stamp paper duly signed to shift the sewer pipeline in the 21 locations along the NH-67 road (Thanjavur Trichy section in due course it necessity arises due to the proposed service road along the main carriage way/widening of road at our own cost due to urgency in completion of the project before the ensuing monsoon period.

Hence, I request that the above proposal for the laying of sewer line in the above 21 locations along the NH67 road (Thanjavur-Trichy Section) for a total length of 3918 under Phase-II Package-I in Tiruchirappalli City Corporation under AMRUT Project may please be approved as a special case and communicated to this office early so as to complete project before the ensuing monsoon period.


For Commissioner
Tiruchirappalli City Corporation

5/9/2023

Encl : Undertaking in a stamp paper Rs.20 and duly signed copy- 1 No



தமிழ்நாடு தமில்நாடு TAMIL NADU - 4 SEP 2023 29AC 795982

UNDERTAKING

We, the Commissioner, Tiruchirappalli City Corporation, Trichy District, Tamil Nadu, 620 001 undertake to lay the sewage pipe line in the following locations for providing under ground sewerage scheme for Tiruchirappalli City Corporation Phase-II works in following locations (In Thanjavur-Trichy NH 67 road Near Thiruverumbur).

1. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 129/670 to KM 129/890(220m length).
2. 200mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/370 to KM 130/457(87m length)
3. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/504 to KM 130/585(81m length).
4. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 130/464 to KM 130/610(146m length).
5. 200 mm dia UPVC&DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 130/980 to KM 131/490(510m length).
6. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 131/481 to KM 131/570(89m length).


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7. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/745 to KM 131/970(225m length).
8. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 131/040 to KM 131/089(49m length).
9. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/430 to KM 132/530(100m length).
10. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 132/590 to KM 132/820(230m length).
11. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/420 to KM 133/520(100m length).
12. 200 to 350 mm dia UPVC,DWC,CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 133/805 to KM 134/310(505m length).
13. 250 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 LHS from KM 134/650 to KM 135/131(481m length).
14. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 134/774 to KM 134/815(41m length).
15. 500 mm dia CI sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/131 to KM 135/396(265m length).
16. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 LHS from KM 135/490 to KM 135/597(107m length).
17. 300 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/660 to KM 135/720(60m length).
18. 200 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/748 to KM 135/804(56m length).
19. 250 mm dia DWC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 135/804 to KM 136/045(241m length).
20. 150 mm dia CI sewer Pumping main along extreme end of ROW in NH-67 RHS from KM 136/045 to KM 136/280(235m length).
21. 200 mm dia UPVC sewer gravity main along extreme end of ROW in NH-67 RHS from KM 136/280 to KM 136/370(90m length).

The work of trench and laying of Sewer pipe line along will be carried out only after getting approval from the competent authority

1. We undertake to shift the pipe line if required at any time owing to expansion of the road or if necessary by the NH authority at our cost & risk without claiming any cost from NHAI.
2. Wherever the berm width less, we will adopt trench-less technology method for laying pipes.
3. Not to damage to other utility, if damaged than to pay the losses either to NHAI or to the concerned agency.


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4. We will abide by all standard conditions of NHAI guidelines in vogue are issued from time to time.
5. We undertake for shifting of the pipe line as and when required by NHAI at our own cost.
6. We undertake that traffic movement during laying of pipe line will be managed.
7. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing pipe lines located in the National Highways right of way.
8. If the NHAI considers it necessary in future to move the utility line for any work of improvement of repairs to the road it will be carried out as desired by the NHAI at our cost within a reasonable time (not exceeding 60 days) of the intimation given.
9. Certified that:
 - i. Laying of sewer pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic.
10. For 4/6 lanning " we do undertake that, we will relocate service road/approach road / utility at our cost not withstanding by NHAI for future six lanning or any other development".We do undertake that the Commissioner, Tiruchirappalli City Corporation will pay the fee/rent as mentioned in the Ministry's letter No. RW/NH/33044/29/2015 S&R (R) dated 22.11.2016 as and when asked by NHAI.
11. We do understand regarding the uncertainty which do exist at this point of time in terms of the at grade service road throughout the stretch or an elevated corridor/6 lane/ which may be finalized and proposed only after the required detailed study. We hereby undertake the sole responsibility of relocations the said utilities at our own cost to a suitable place as directed by NHAI at any point of time.

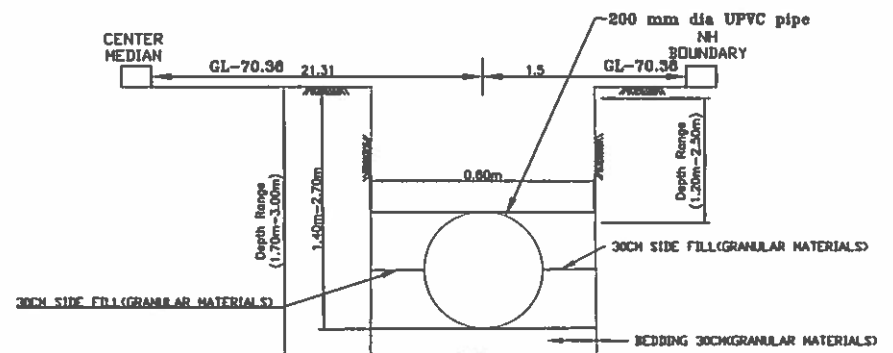
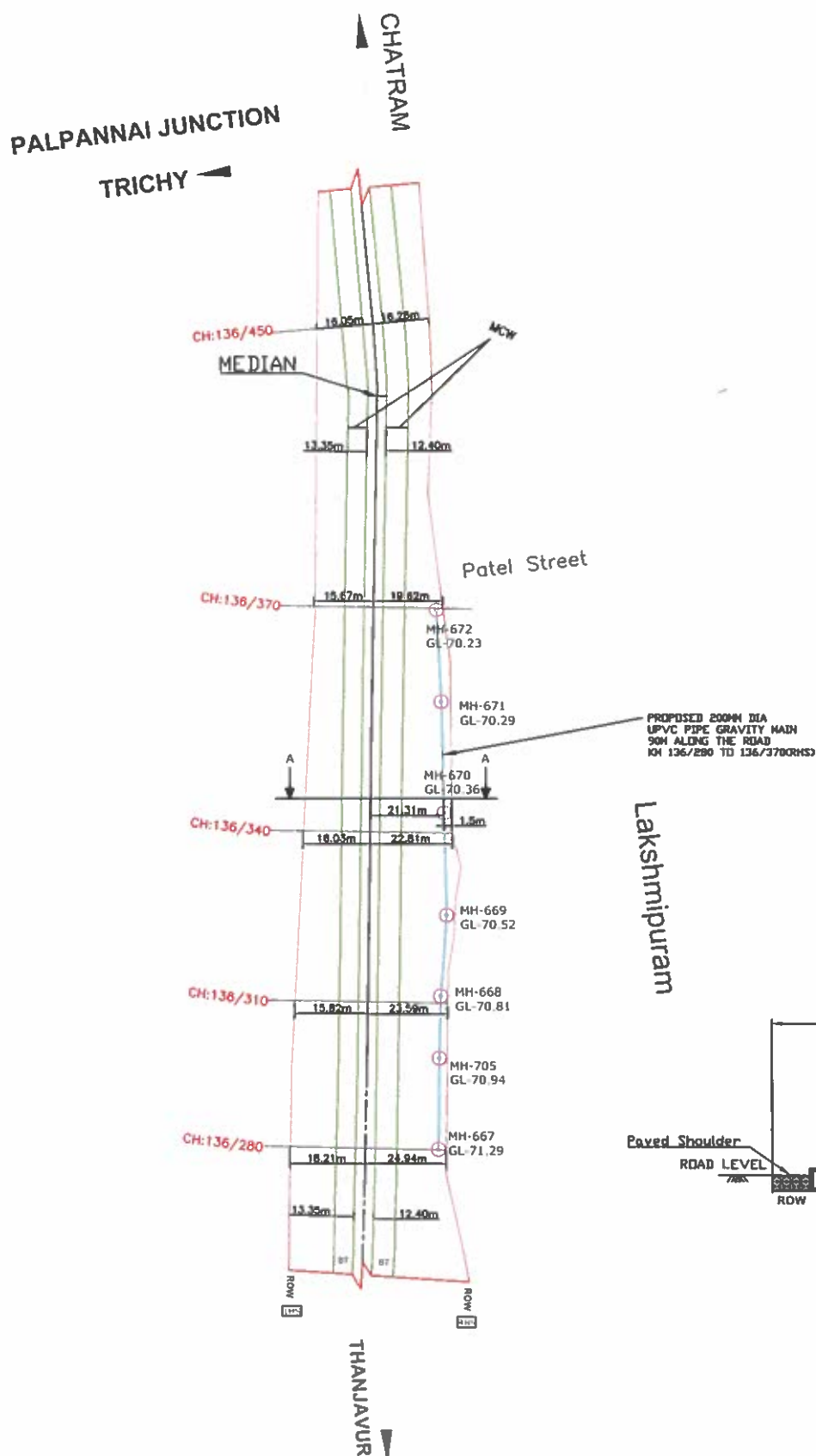

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Trichy City Corporation
Tiruchirappalli

TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

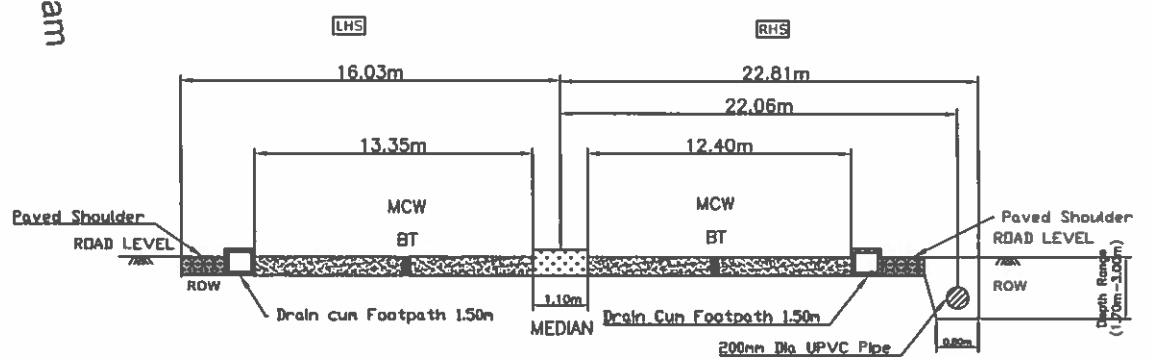
PROPOSED 200MM DIA UPVC SEWER GRAVITY MAIN ALONG
EXTREME END OF ROW IN NH-67 BETWEEN KM 136/280 TO
136/370 RHS (90M) IN TRICHY-TANJORE NH ROAD
(PALPANNAI BUS STOP TO PATTAL NAGAR)



LEGEND	
	BLACK TOP
	PROPOSED SEWER LINE
	CENTER LINE OF ROAD
	MEDIAN
	ROW
	MCW - MAIN CARRIAGE WAY
	MANHOLE
	SR - SERVICE ROAD



CROSS SECTION AT A-A (TRENCH METHOD)
PALPANNAI BUS STOP TO PATAL NAGAR
KM 136/280 TO 136/370 (RHS)



NOTE : MH-667 TO MH-672 AVG DEPTH
1.7M TO 3M X OUTER DIA 1.90M

Support Engineer-3
STC-Tiruchirapalli

Construction Manager
CMSC Trichy Project
STC - Tiruchirappalli

Team Leader
CMSC Trichy Project
STC - Tiruchirapalli

EXECUTIVE ENGINEER
Tiruchirappalli City Corporation

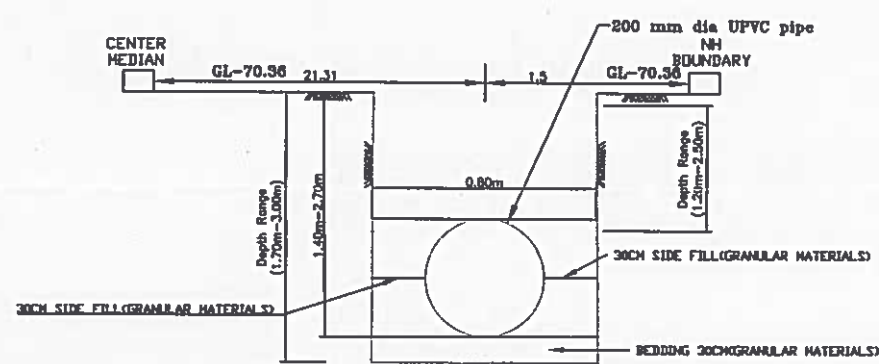
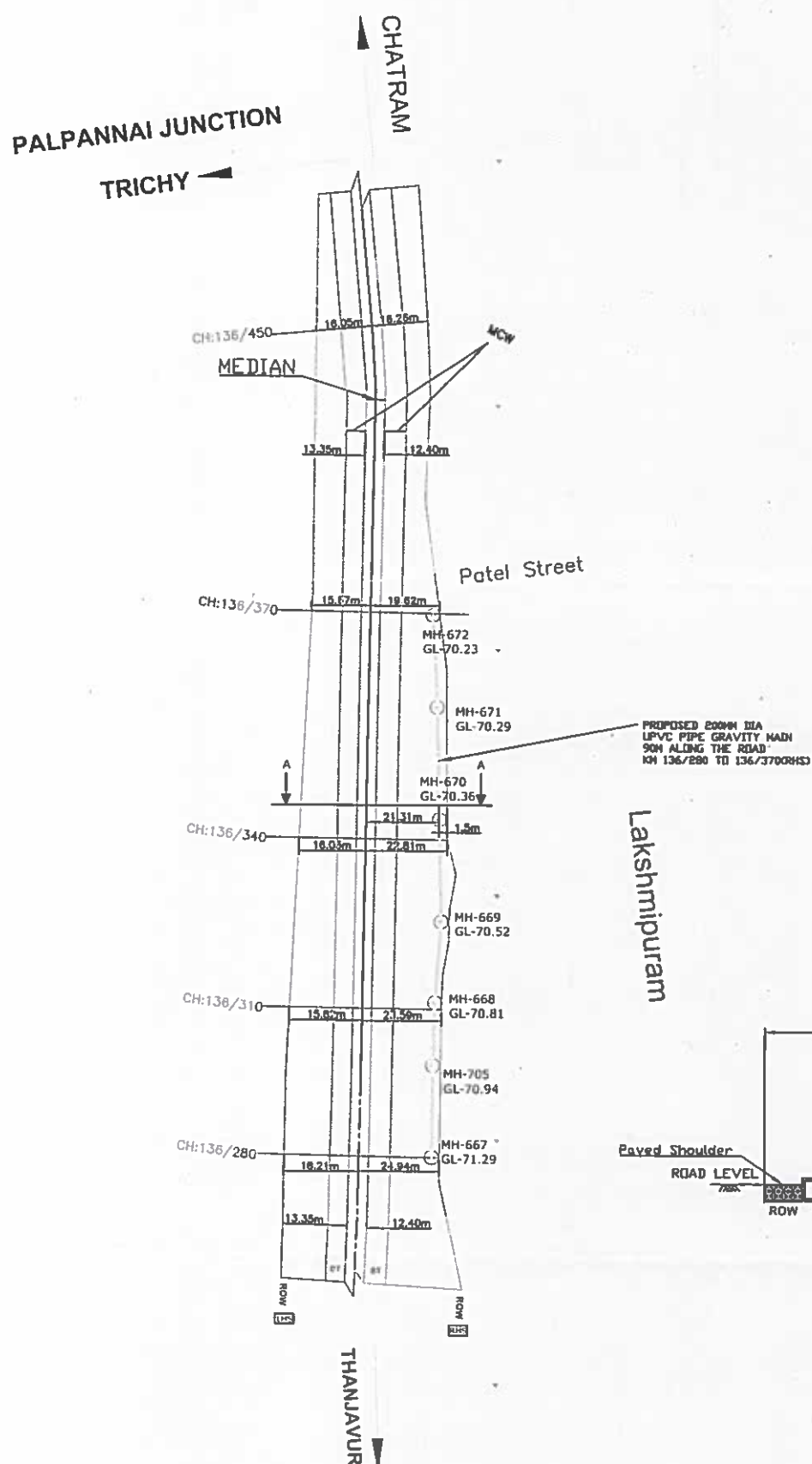
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TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

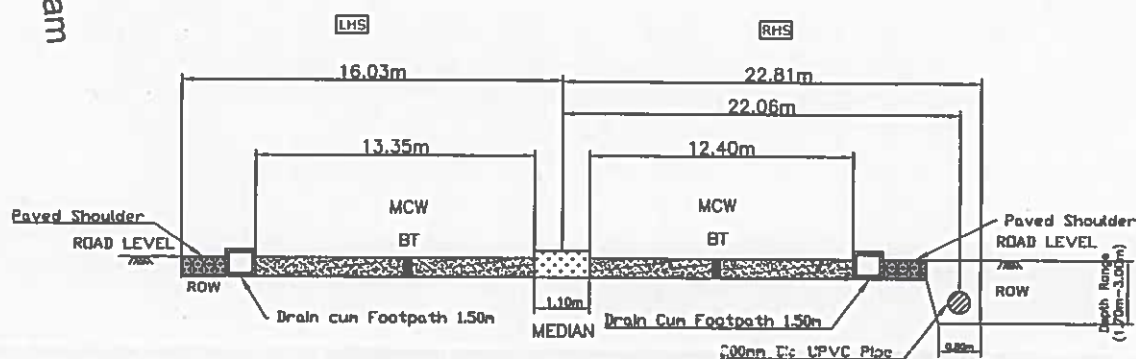
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CROSS SECTION AT A-A (TRENCH METHOD)
PALPANNAI BUS STOP TO PATAL NAGAR
KM 136/280 TO 136/370 (RHS)



NOTE : MH-667 TO MH-672 AVG DEPTH
1.7M TO 3M X OUTER DIA 1.90M

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STC-Tiruchirappalli

Construction Manager
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STC - Tiruchirappalli

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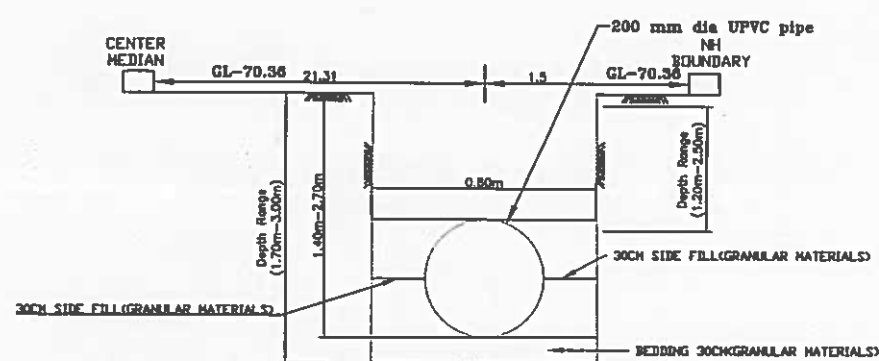
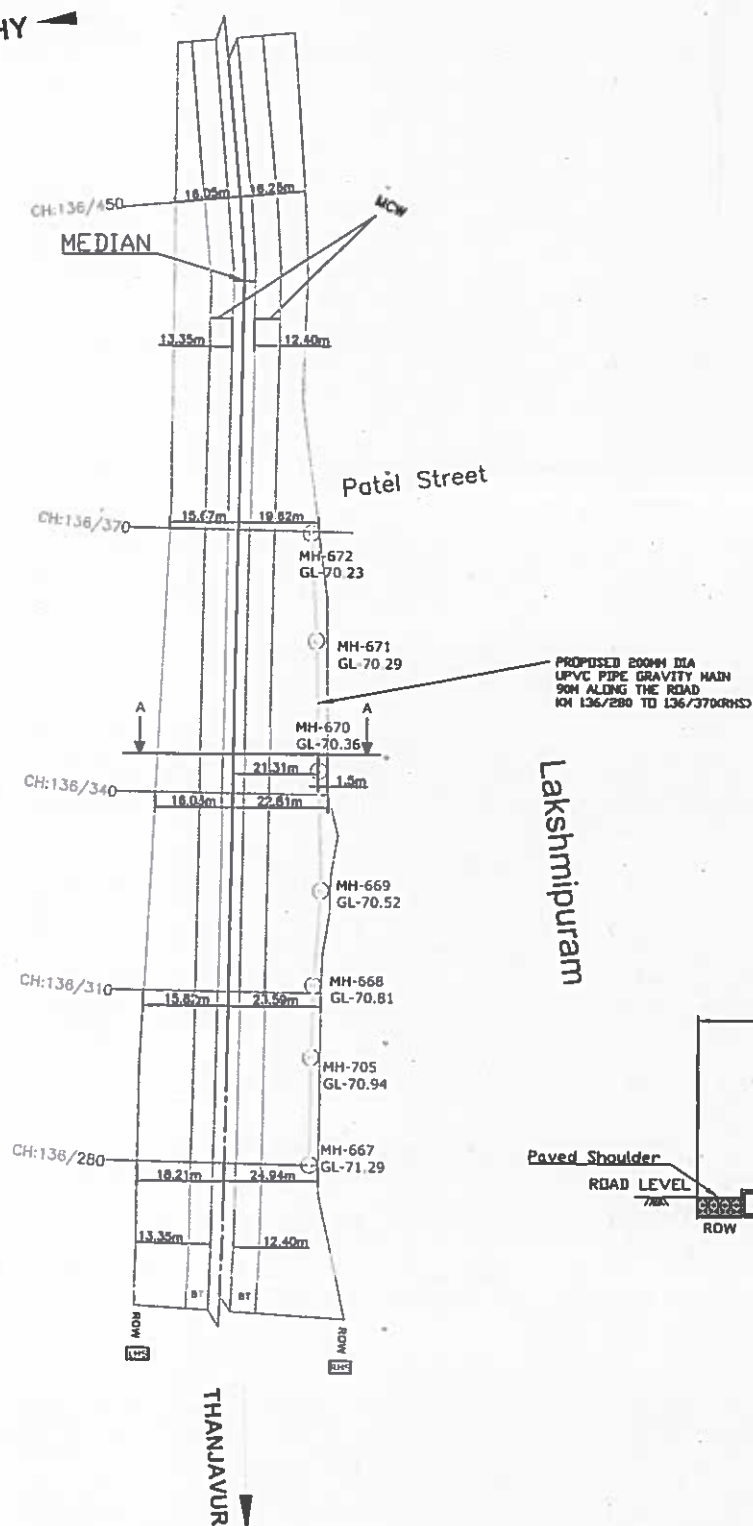
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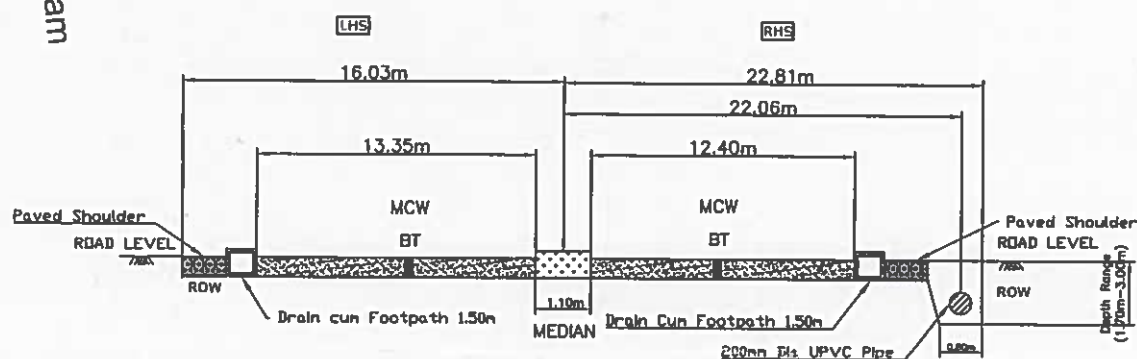


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PALPANNAI JUNCTION
TRICHY
CHATRAM



CROSS SECTION AT A-A (TRENCH METHOD)
PALPANNAI BUS STOP TO PATAL NAGAR
KM 136/280 TO 136/370 (RHS)



NOTE : MH-667 TO MH-672 AVG DEPTH
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A. [Signature]
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STC-Tiruchirappalli

[Signature]
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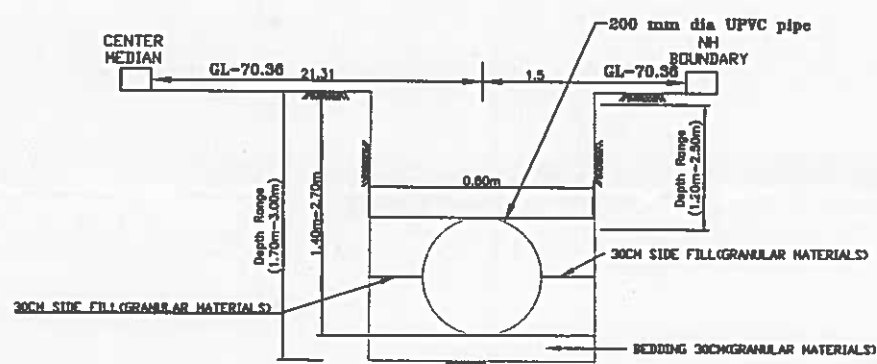
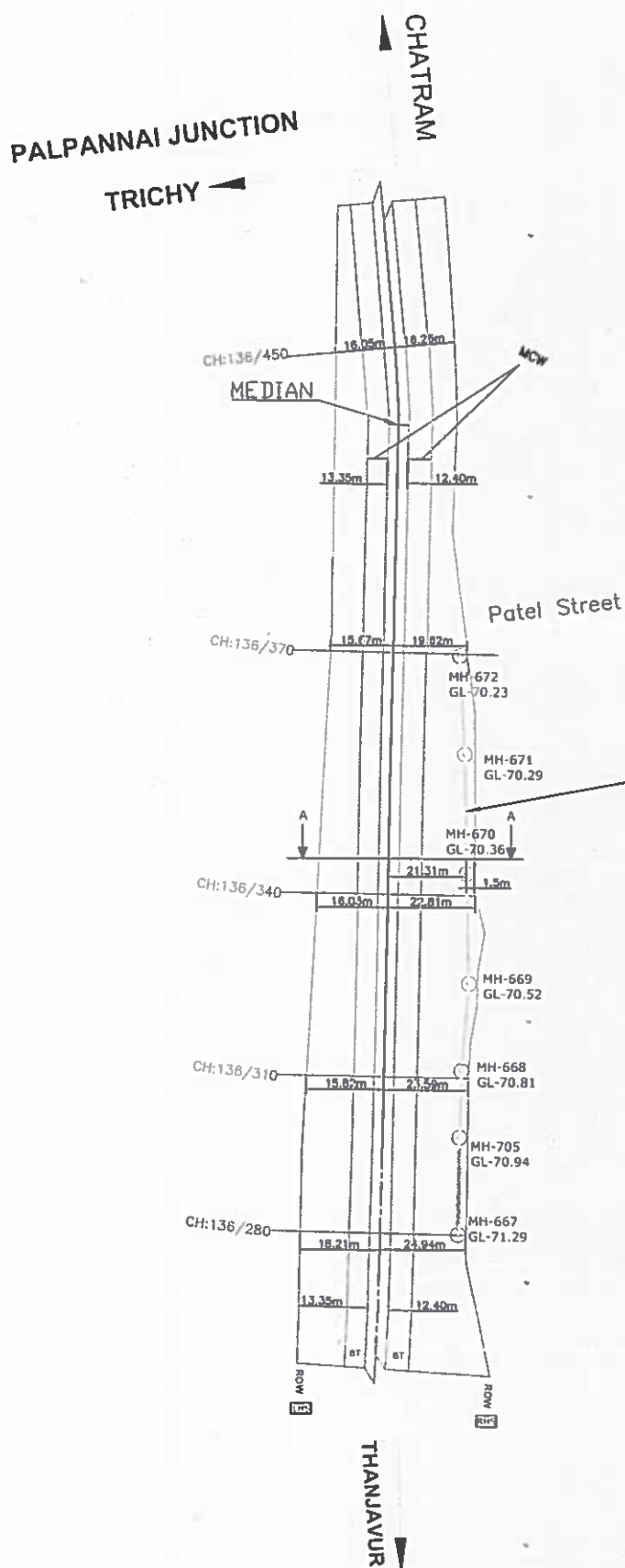
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TRICHY CITY CORPORATION - UGSS - PHASE-II - PACKAGE-I

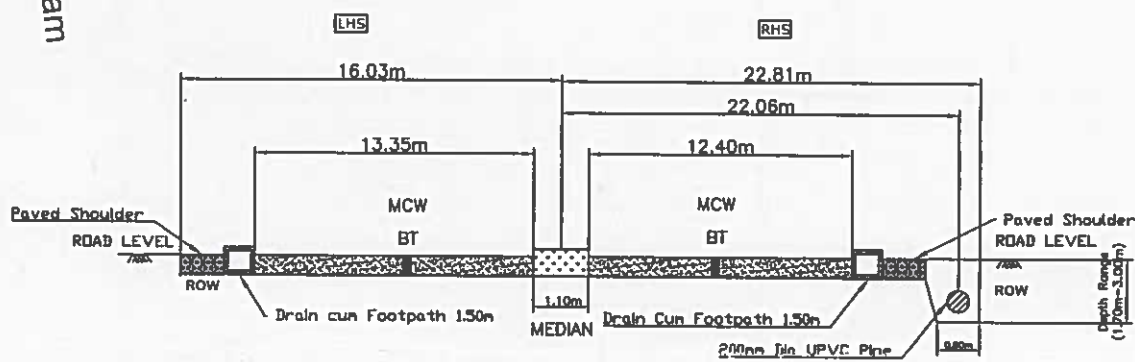
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CROSS SECTION AT A-A (TRENCH METHOD)
PALPANNAI BUS STOP TO PATAL NAGAR
KM 136/280 TO 136/370 (RHS)



NOTE : MH-667 TO MH-672 AVG DEPTH
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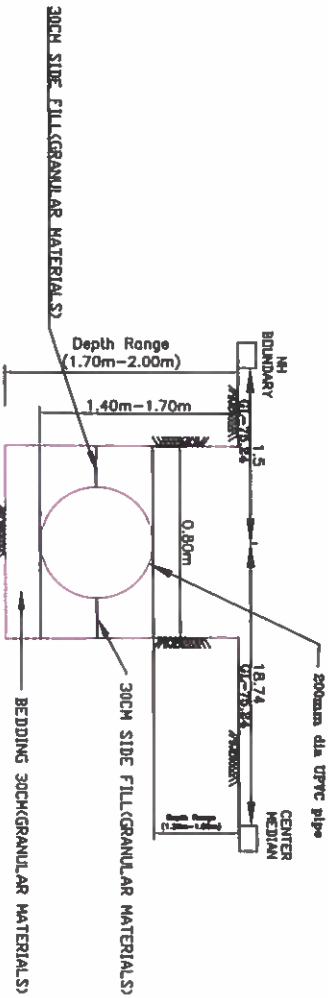
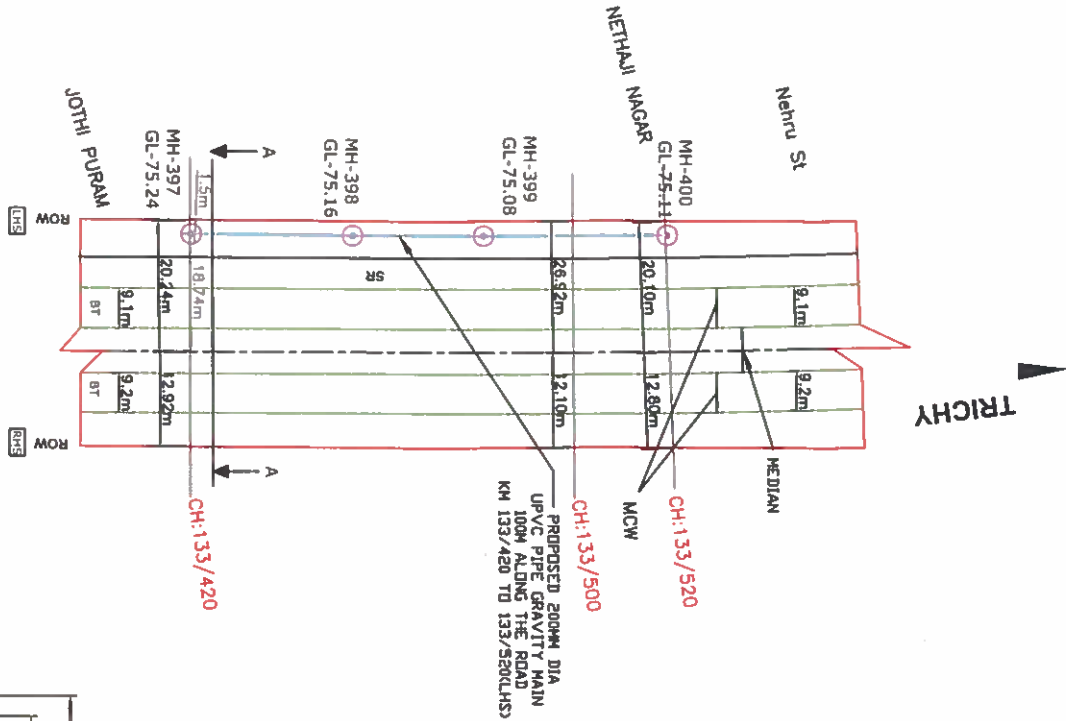
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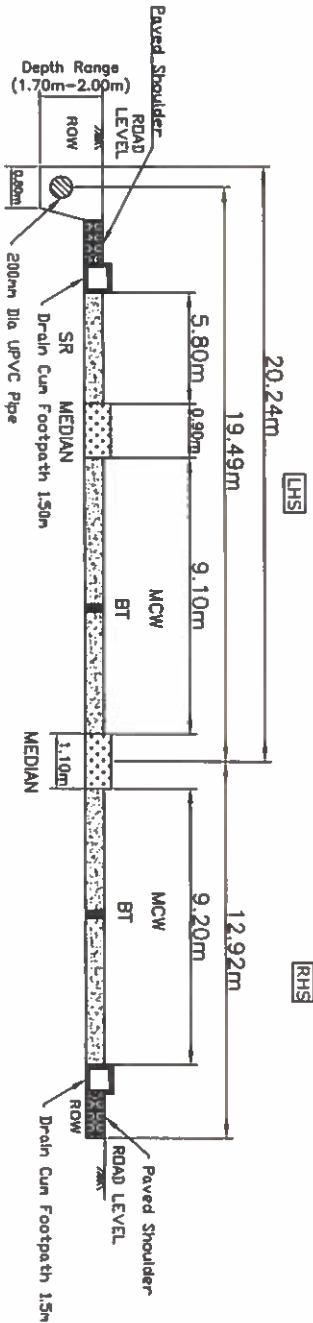
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TRICHY-TANJORE NH ROAD (NETHAJI SALAI TO SRIDEVI GANGAIAMMAN
KOVIL ARCH)



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CROSS SECTION AT A-A (TRENCH METHOD)
NETHAJI SALAI (BURMA COLONY) TO SRIDEVI GANGAI AMMAN
KM 133/420 TO 133/520 (LHS)



NOTE : MH-397 TO MH-400 AVG DEPTH
1.70M TO 2.00M OUTER DIA X 1.40M

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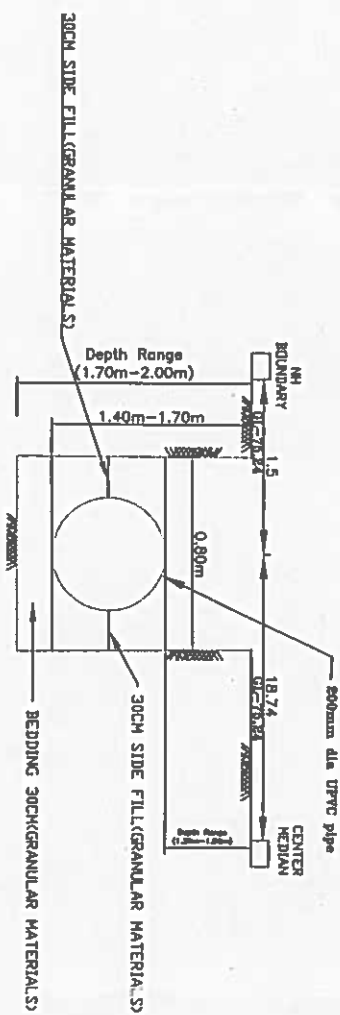
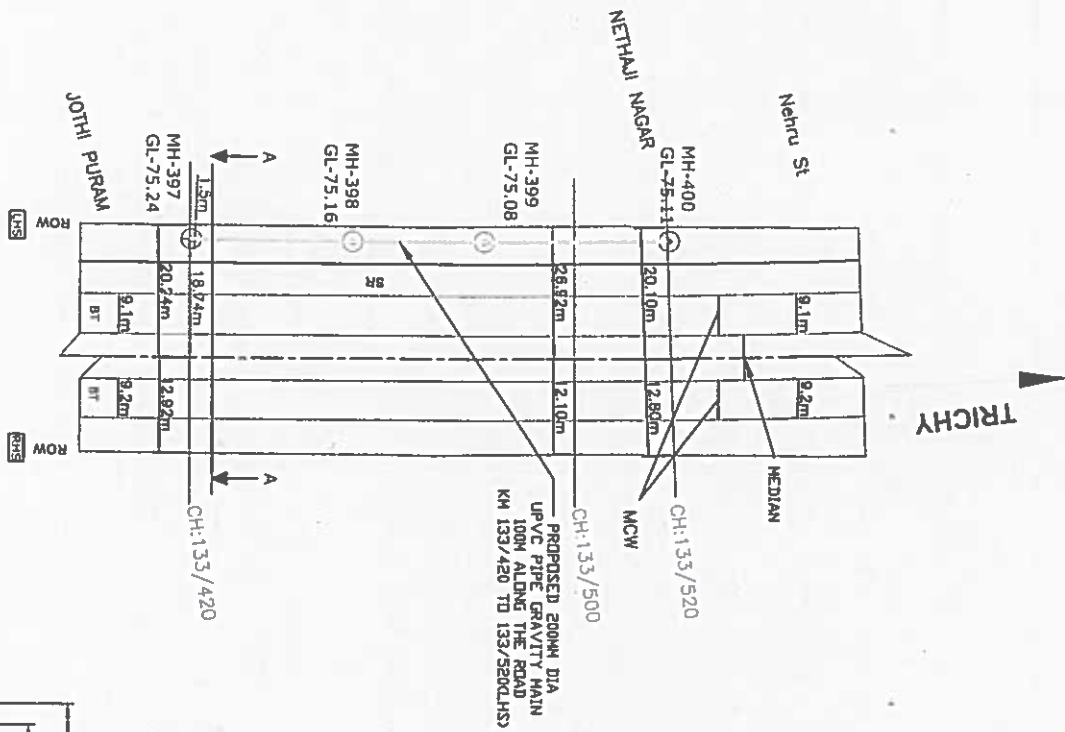
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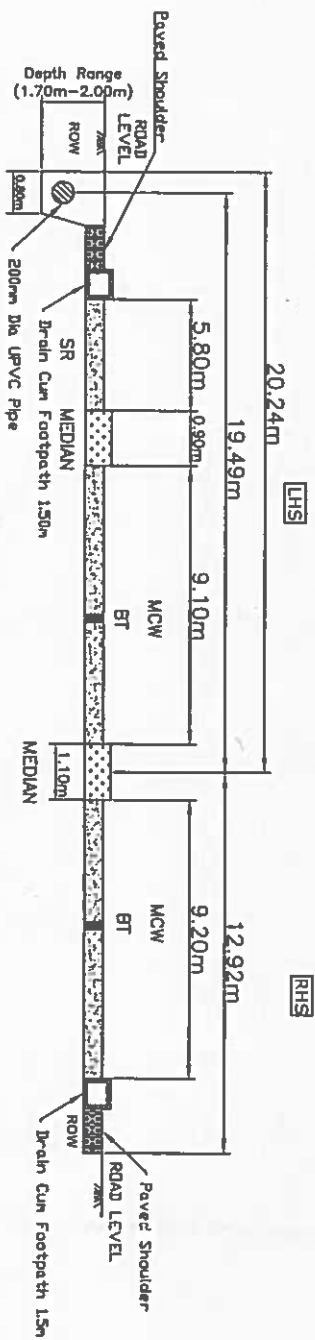
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NETHAJI SALAI (BURMA COLONY) TO SRIDEVI GANGAI AMMAN
KM 133/420 TO 133/520 (LHS)



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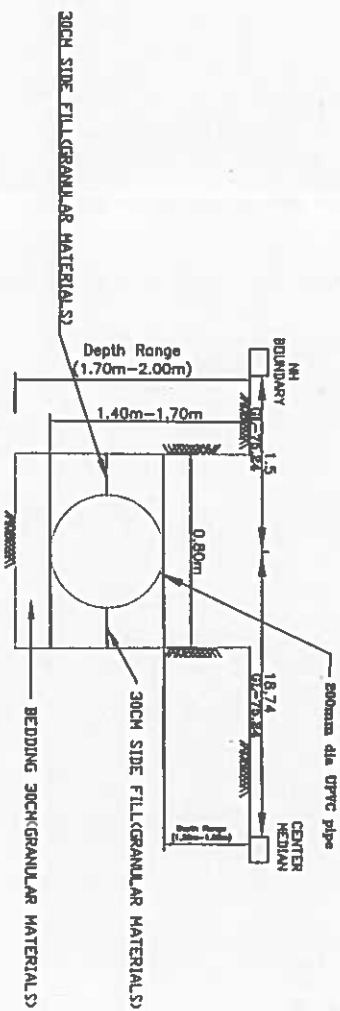
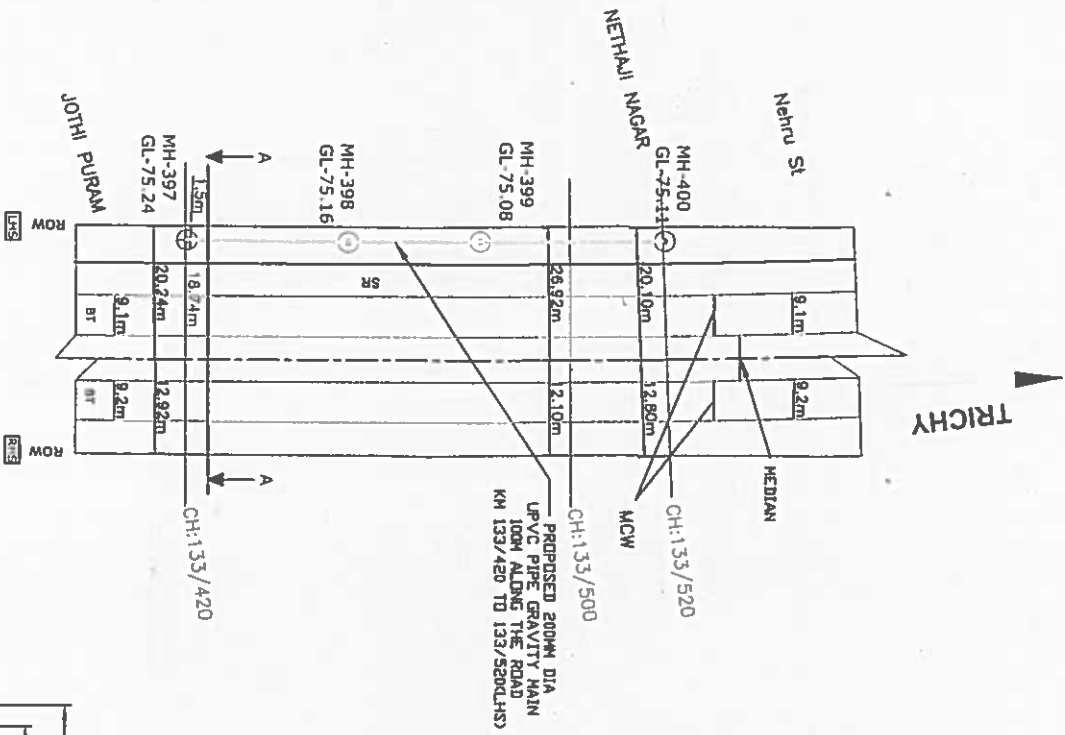
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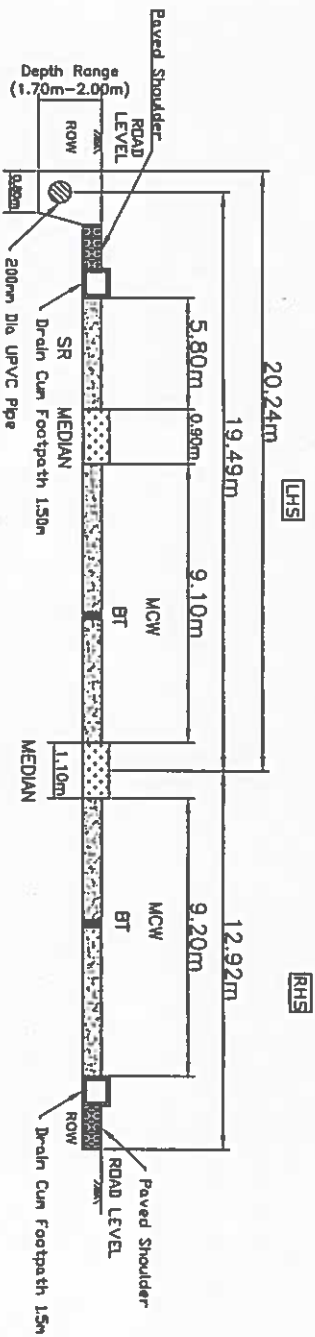
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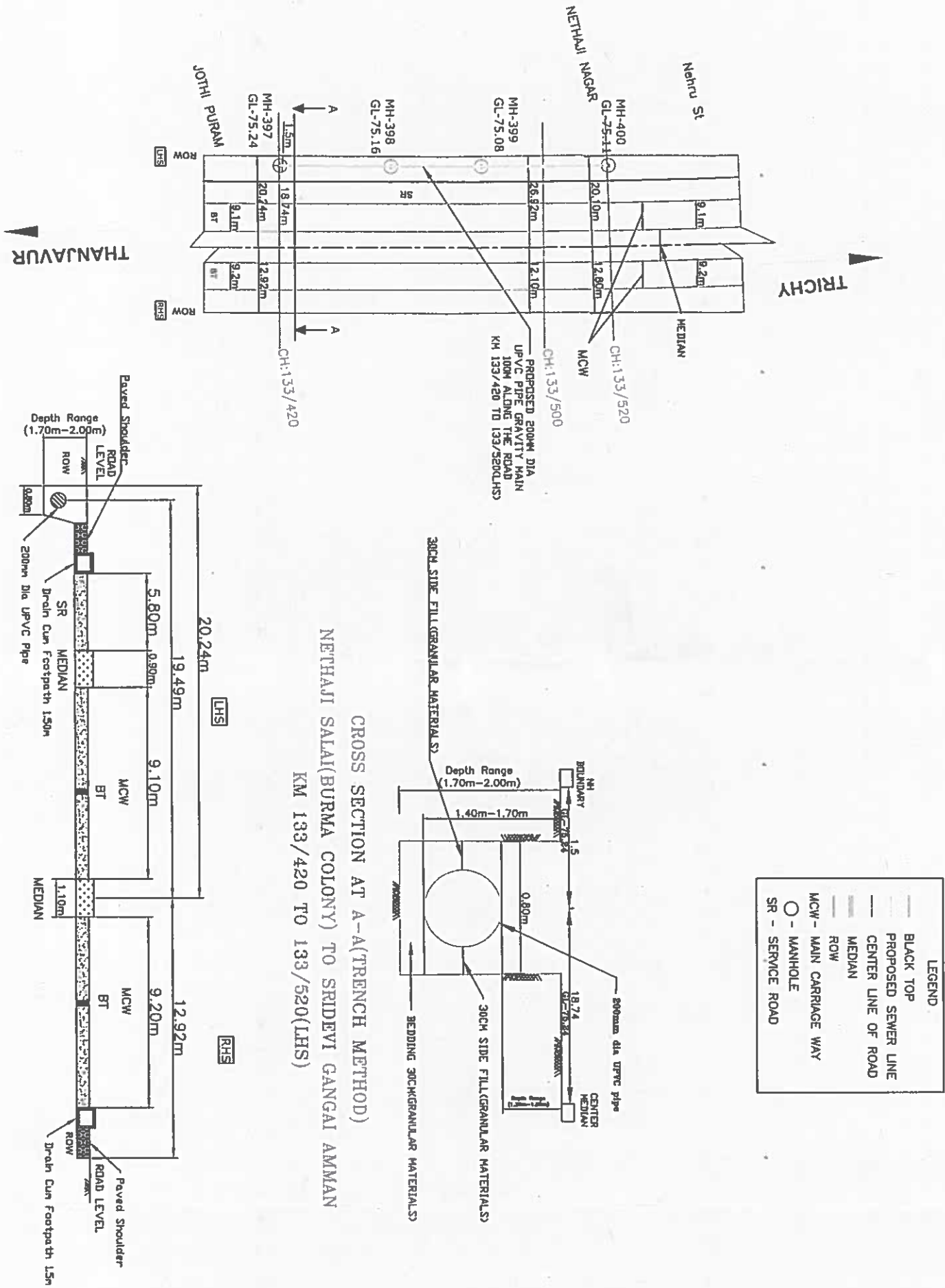
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