



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



NHAI/15018/4.4/04/2024/RO Madurai/E-263518/ 1656 1<sup>st</sup> November, 2024

**INVITATION OF PUBLIC COMMENTS**

**विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, तंजावुर - Request for Permission for installing Valve Chambers at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline along/across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Trichy - Thanjavur section of NH-67 (New No.83) - Invitation of Public Comments - Reg.**

**प्रसंग:** PD, Thanjavur Lr. No - NHAI/PIU/Thanj/11021/119/2023/2387 dated 03.10.2024.

The Proposal regarding permission for installing Valve Chambers at various Locations of the Trichy - Thanjavur section of NH-67 in the State of Tamil Nadu by M/s IRM Energy Ltd., has been submitted to this office by the PD, PIU, Thanjavur Lr. No - NHAI/PIU/Thanj/11021/119/2023/2387 dated 03.10.2024 in accordance with the Ministry's latest guidelines dated 22.11.2016.

2. The alignment proposed by M/s IRM Energy Ltd., for installing the Valve Chambers at various Locations of the Trichy - Thanjavur section of NH-67 is as detailed under:

Stretch (in Km)	LENGTH (L) (in m)	DIA OF THE PIPE (D) (m)	Remarks
123.800	2.30	0.114	
123.850	0.95	0.125	
124.700	2.30	0.114	
124.850	0.95	0.125	
125.000	2.30	0.114	

125.850	0.95	0.125	Permission for laying gas pipe line was already approved by RO Madurai Lr. No. 1939 dated 14.10.2024. The proposed valve chambers are going to be installed at various locations in the already approved pipelines.
126.000	2.80	0.219	
126.300	2.30	0.114	
126.550	2.80	0.219	
126.850	0.95	0.125	
127.850	0.95	0.125	
128.850	0.95	0.125	
129.590	3.09	0.323	
129.650	2.30	0.114	
129.850	0.95	0.125	
130.700	3.09	0.323	
130.850	0.95	0.125	
131.750	0.95	0.125	
132.750	0.95	0.125	
133.630	3.09	0.323	
133.750	0.95	0.125	
134.750	0.95	0.125	
135.630	2.30	0.114	
135.750	0.95	0.125	
136.490	2.8	0.219	

3) M/s IRM Energy Ltd., has proposed installing Valve Chambers at various Locations of the Trichy - Thanjavur section of NH-67 in the State of Tamil Nadu which is in conformity with the Ministry's guidelines dated 22.11.2016.

4) M/s IRM Energy Ltd., has furnished an Undertaking to the effect that the applicant will shift the laid water pipeline in future within 90 days if required by NHAI at any time for expansion of the NH at their own cost without claiming any compensation from NHAI. Further, mentioned that M/s IRM Energy Ltd. will also undertake not to damage any other utility and, if damaged, will pay the losses either to NHAI or to the concerned agency.

5) As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016 the proposal submitted by the applicant

NHAI/15018/4.4/04/2024/RO Madurai/E-263518/ 1656 1<sup>st</sup> November, 2024

will be made available for public comments and the comments are invited within 30 days from the day of uploading.

In view of the above, comments of the public on the above proposal are 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.

VIJITH

VIJAYAN

(विजित विजयन | VijithVijayan)  
प्रबंधक (तक) | Manager (Tech)  
क्षे.का. मदुरै | RO-Madurai

भवदीय

Digitally signed by  
VIJITH VIJAYAN  
Date: 2024.11.01  
16:57:00 +05'30'

संलग्न: As above

प्रतिलिपि:

1. The NIC, New Delhi - for uploading to 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
1086842/2024/PIU-THANJAVUR	Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline along/across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Thanjavur – Trichy section of NH-67 (New No.83)– Approval requested -reg.	Receipt		14/10/2024 11:20 AM		1-83	Enclosed



**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 : tanjavor@nhai.org, tanjavor\_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/119/2023 / 2387

Dated: 03.10.2024

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

Sub: National Highways Authority of India-PIU-Thanjavur- Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline along/across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83)- Approval requested -reg.

- Ref: 1. Assistant Manager - PNG Projects M/s.IRM Energy Ltd Lr.No. IRMEL/Trichy/CGD/PNG/NHAI/2022-23/02 Dated 02.01.2023  
2. RO Madurai vide Lr.No.NHAI/15018/4.4/01/2023/RO Madurai/E:203036/1939 Dated 14.10.2023  
3. General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)  
4. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/379 Dated 12.02.2024  
5. IE M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-24/1934 Dated 26.02.2024  
6. This office Lr.No.NHAI/PIU/Thanj/11021/119/2022/1019 Dated 23.04.2024  
7. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/PNG/NHAI/2024-25/2016 Dated 03.05.2024  
8. MoRTH NOC Portal Ref.Lr.No.20240321/1/12/18914/7042 Dated 21.03.2024  
9. This office Lr.No. NHAI/PIU/Thanj/11021/119/2022/1831 Dated 29.07.2024  
10. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/PNG/NHAI/2024-25/044 Dated 07.08.2024  
11. This office Lr.No.NHAI/PIU/Thanj/11021/119/2022/2070 Dated 22.08.2024  
12. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/PNG/NHAI/2024-25/047 Dated 02.09.2024

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Sir,

In the reference 3<sup>rd</sup> cited above, M/s.IRM Energy Ltd has requested for granting Permission to install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur)

Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999

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

## National Highways Authority of India

(Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, Tamil Nadu in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83).

In this regard the following are stated,

Vide reference 1<sup>st</sup> cited M/s.IRM Energy Ltd requested for Permission for laying proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, Tamil Nadu.

The Competent Authority vide reference 2<sup>nd</sup> cited has accorded approval for the said proposal.

Vide reference 3<sup>rd</sup> cited, the M/s.IRM Energy Ltd has informed that they have applied for permission to install Valve Chambers for underground Steel/MDPE pipeline at below mentioned locations and requested to issue seeking permission for install Valve Chambers for underground Steel/MDPE pipeline.

Vide this office reference 6<sup>th</sup> cited, it was informed to M/s.IRM Energy Ltd that there is no sufficient utility corridor in the existing ROW at the said locations and requested to re-examine and submit an alternative proposal.

Vide reference 7<sup>th</sup> cited, M/s.IRM Energy Ltd has informed that they have re-examined the proposal at the said locations and assured that space constraint for installation of valve chamber was found in 1 location only. They have proposed to reroute the pipeline to the edge of RoW and loop the pipeline to install valve chamber at this location.

Vide ref 9<sup>th</sup> cited, M/s.IRM Energy Ltd, Ahmedabad was informed again regarding the restricted RoW and the upcoming continuous service road/Elevated Corridor in the said stretch and asked to furnish special undertaking (Copy enclosed).

Vide ref 10<sup>th</sup> cited, M/s.IRM Energy Ltd, Ahmedabad has furnished a special undertaking stating their willingness to relocate the said utilities at their own cost in future if directed to do so.



## National Highways Authority of India

Vide this office reference 11<sup>th</sup> cited, a discussion was conducted with their representatives regarding the submitted proposal. During the discussion, it was informed and accepted that buried wall chambers shall have to be proposed and to re-submit the proposal after necessary modifications along with modified drawings

Vide reference 12<sup>th</sup> cited, M/s.IRM Energy Ltd, Ahmedabad has furnished their reply wherein they informed that the proposed buried valve chamber may not be feasible due to following reasons:

- 1) Accessing buried valve chamber would not be possible during emergency shutdown of valve chamber
- 2) Scheduled routine Maintenance of valve chamber would not be possible.
- 3) Other operational activities like Leak check, inspection cannot be carried.

Hence by considering their clarification and the special undertaking submitted, the proposal may be considered for granting permission.

The valve locations proposed are tabulated below:

Sl.No.	DESCRIPTION	NHAI Chainage	Valve Chamber	Remarks
1	Trichy to Tanjore - Left side - Near SIDCO	123.800	Steel Valve (FT)	SIDCO
2	Trichy to Tanjore - Left Between SIDCO & SBI	123.850	MDPE Valve Chamber	
3	Trichy to Tanjore - Left side Near SBI Bank	124.700	Steel Valve (IV)	
4	Trichy to Tanjore - Left side Near Karmaverar Kamarajar statue	124.850	MDPE Valve Chamber	
5	Trichy to Tanjore - Left side Indian oil petrol pump	125.000	Steel Valve (FT)	DJP Fuels
6	Trichy to Tanjore - Left side Near SSTP	125.850	MDPE Valve Chamber	
7	Trichy to Tanjore - Left side Near Reduce your speed Board	126.000	Steel Valve (FT)	BHEL Industries
8	Trichy to Tanjore - Left side Near Diversion Road marker Board	126.300	Steel Valve (FT)	BHEL Township
9	Trichy to Tanjore - Left side Near Namaste Gate	126.550	Steel Valve (IV)	
10	Trichy to Tanjore - Left side DYFI Road painting	126.850	MDPE Valve Chamber	
11	Trichy to Tanjore - Left side Near Balaji Driving School	127.850	MDPE Valve Chamber	

## National Highways Authority of India

12	Trichy to Tanjore - Left side Harsha clinic	128.850	MDPE Valve Chamber	
13	Trichy to Tanjore - Left side Near Shivram Arcade	129.590	Steel Valve (IV)	
14	Trichy to Tanjore - Right side Near BPCL	129.650	Steel Valve (FT)	BPCL
15	Trichy to Tanjore - Right side Near Otium Living industries	129.850	MDPE Valve Chamber	
16	Trichy to Tanjore - Right side Near Maruti Suzuki	130.700	Steel Valve (IV)	
17	Trichy to Tanjore - Right side Near Maruti Suzuki	130.850	MDPE Valve Chamber	
18	Trichy to Tanjore - Right side Near Gohri Mahal	131.750	MDPE Valve Chamber	
19	Trichy to Tanjore - Right side Subham Medical centre	132.750	MDPE Valve Chamber	
20	Trichy to Tanjore - Right side BVS Metallic	133.630	Steel Valve (IV)	
21	Trichy to Tanjore - Right side Opposite MAS Tiles	133.750	MDPE Valve Chamber	
22	Trichy to Tanjore - Right side Near MP Plaza	134.750	MDPE Valve Chamber	
23	Trichy to Tanjore - Right side Near SIT	135.630	Steel Valve (FT)	Reliance Petrol pump
24	Trichy to Tanjore - Right side Near LG Medicals	135.750	MDPE Valve Chamber	
25	Trichy to Tanjore - Right side opposite TIM World international Pvt Ltd.	136.490	Steel Valve (IV)	Near Palpannai

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 and stated the following:

1. The Independent Engineer has inspected the site and opined vide ref 5<sup>th</sup> cited that the applicant may be permitted to install valve chambers at the said locations.(copy enclosed).
2. The applicant has to submit an undertaking to NHAI for restoration of the excavated stretch to the normal condition without damages to the utilities

*ax*

## National Highways Authority of India

such as drinking water lines, sewage lines, electrical cable and other OFC cables.

3. The strip plan showing the details of proposed to install Valve Chambers for underground Steel/MDPE pipeline laying of Gas Pipeline and necessary checklist are furnished.
4. In case any damage is caused to the road pavement in this process, M/s. IRM Energy Ltd, Ahmedabad will have to restore the same to the original condition at their own cost.
5. The levy fee and other conditions stipulated in the new circular of Ministry have also been included in the undertaking
6. The four laning work in the above stretch of Thanjavur- Trichy section of NH-67 has already been completed.
- 7.

**A. Restoration Charges to be collected:**

Cost of Restoration Charges @ Rs.100.00  
per running meter (43.81 x 100)

= Rs. 4381/-

Total = Rs 4381/-

**B. License fee to be collected**

Sl.No.	Description	Length in Meters	Width in Sq.m	Area occupied in Sqmt
A	Area occupied along the road/Area			
i	Valve Chamber in 25 Locations	Area Calculation Sheet enclosed		75.87
C	Total area to be utilized			75.87
D	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.3230 Sq.m in Thuvakudi village and Rs.17020/- Sq.m in Tharanallur village. Details enclosed.		
E	License Fees (Rs/sqm/month) = (Utilized NH land area x prevailing Circle rate of land per unit area)/(10x12)			
F	Total amount for Public utilities per month (Rs.)			8307.52
G	License fee for initial 5 years in Rs.= Total amount x 5 years (Rs.8307.52*5*12)			46830


Hence the proposal of M/s.IRM Energy Ltd, Ahmedabad requesting permission to install Valve Chambers at various locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-

## National Highways Authority of India

Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, Tamil Nadu in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83) as detailed above may please be considered for according approval.

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

Yours faithfully,



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

Copy to: 1. Team Leader M/s.MSV International Inc Trichy for information  
2. M/s.IRM Energy Ltd, Ahmedabad for information

**LICENSE FEES FOR PUBLIC UTILITY**  
Utilized NH Land area X Prevailing Circle Rate of Land per Unit area X 1.5% per annum

ANNEXURE-II

SL. NO	NAME OF VILLAGE	CHAINAGE IN KM		SIDE	LENGTH (L) (in mt)	Width (W) (in mt)	DIA OF THE PIPE (D) (m)	UTILIZED NH LAND AREA (L x W) (sq.m)	PREVAILING CRICLE RATE OF LAND PER UNIT AREA (sq.m) (Rs)	LICENSE FEE (PRIVATE UTILITY) (Rs)
		FROM	TO							
1	Thuvakudi		123.800	Valve chamber(LHS)	2.30	2.20	0.114	5.06	3230.00	245.16
2	Thuvakudi		123.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	3230.00	43.73
3	Thuvakudi		124.700	Valve chamber(LHS)	2.30	2.20	0.114	5.06	3230.00	245.16
4	Thuvakudi		124.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	3230.00	43.73
5	Thuvakudi		125.000	Valve chamber(LHS)	2.30	2.20	0.114	5.06	3230.00	245.16
6	Thuvakudi		125.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	3230.00	43.73
7	Thuvakudi		126.000	Valve chamber(LHS)	2.80	1.90	0.219	5.32	3230.00	257.75
8	Thuvakudi		126.300	Valve chamber(LHS)	2.30	2.20	0.114	5.06	3230.00	245.16
9	Thuvakudi		126.550	Valve chamber(LHS)	2.80	1.90	0.219	5.32	3230.00	257.75
10	Thuvakudi		126.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	3230.00	43.73
11	Kuttappar		127.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	3230.00	43.73
12	Thiruverumbur		128.850	Valve chamber(LHS)	0.95	0.95	0.125	0.90	5925	80.21
13	Thiruverumbur		129.590	Valve chamber(LHS)	3.09	1.90	0.323	5.86	5925	520.94
14	Agaram		129.650	Valve chamber(RHS)	2.30	2.20	0.114	5.06	7000	531.30
15	Agaram		129.850	Valve chamber(RHS)	0.95	0.95	0.125	0.90	7000	94.76
16	Agaram		130.700	Valve chamber(RHS)	3.09	1.90	0.323	5.86	7000	615.46
17	Agaram		130.850	Valve chamber(RHS)	0.95	0.95	0.125	0.90	7000	94.76
18	Ellakudi		131.750	Valve chamber(RHS)	0.95	0.95	0.125	0.90	6460	87.45
19	Pappakurichi		132.750	Valve chamber(RHS)	0.95	0.95	0.125	0.90	6460	87.45
20	Ariyamangalam		133.630	Valve chamber(RHS)	3.09	1.90	0.323	5.86	12920	1135.96
21	Ariyamangalam		133.750	Valve chamber(RHS)	0.95	0.95	0.125	0.90	12920	174.90
22	Tharanalur		134.750	Valve chamber(RHS)	0.95	0.95	0.125	0.90	17020.00	230.41
23	Tharanalur		135.630	Valve chamber(RHS)	2.30	2.30	0.114	5.29	17020.00	1350.54
24	Tharanalur		135.750	Valve chamber(RHS)	0.95	0.95	0.125	0.90	17020.00	230.41
25	Tharanalur		136.490	Valve chamber(RHS)	2.8	1.9	0.219	5.32	17020.00	1358.20
<b>TOTAL</b>					<b>43.81</b>	<b>37.05</b>		<b>75.87</b>		<b>8307.52</b>

License Fee

8307.52

Add: 6% per annum for 2 year	498.5	8806
Add: 6% per annum for 3 year	528.4	9334
Add: 6% per annum for 4 year	560.1	9894
Add: 6% per annum for 5 year	593.7	10488

Minimum License Fee for Public Utility for 5 years

46830

/-

*[Signature]*  
M(T)  
03/10/24  
**MANAGER (TECH)**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR

*[Signature]*  
21/10/24  
**GENERAL MANAGER (T) & PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR



Ref: IRMEL/TRICHY/CGD/PNG/NHAI/2024-25/047

Date:02.09.2024

To  
The Project Director,  
Project Implementation,  
National Highways Authority of India (NHAI),  
No.54, Natarajapuram North Colony,  
Medical College Road,  
Thanjavur - 613004  
Tamil Nadu.

11021/10

Sub: National Highways Authority of India-PIU-Thanjavur Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Thanjavur Trichy section of NH-67 (New No.83).

NHAI - PIU - THANJAVUR	
12. SEP 2024	
Dy.No:	Ref
M(T)	
LAO	
PA	
SE/RS	
SE/SB	
SE/AN	
ACCOUNTS	

1. Assistant Manager – PNG projects M/s. IRM Energy Ltd. Lr. No. IRMEL/Trichy/ CGD/PNG/NHAI /2022-23/02 Dated 02.01.2023
2. RO Madurai vide Lr. No. NHAI/15018/4.4/01/2023/RO Madurai/E:203036/1939 Dated 14.10.2023
3. General Manager – PNG Projects M/s. IRM Energy Ltd. Lr. No. IRMEL/Trichy/CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)
4. This office Lr. No. NHAI/PIU/Thanj/11021/31/2009/379 Dated 12.02.2024
5. IE M/s. MSV International Inc Trichy Lr. No. MSV/Trichy/NHAI/IE-TL/2022-24/1934 Dated 26.02.2024
6. This office Lr. No. NHAI/PIU/Thanj/11021/119/2022/1019 Dated 23.04.2024
7. Assistant Manager – PNG projects M/s. IRM Energy Ltd. Lr. No. IRMEL/Trichy/ CGD/PNG/NHAI/2024-25/2016 Dated 03.05.2024
8. MoRTH NOC Portal Ref. Lr. No. 20240321/1/12/18914/7042 Dated 21.03.2024
9. This office Lr. No. NHAI/PIU/Thanj/11021/119/2022/1831 Dated 29.07.2024
10. Assistant Manager PNG projects M/s. IRM Energy Ltd. Lr. No. IRMEL/Trichy/CGD/PNG/NHAI/2024-25/044 Dated 07.08.2024
11. NHAI/PIU/Thanj/11021/119/2022/2070 Dated 22.08.2024

Dear Sir,

With reference to application IRMEL/Trichy/ CGD/PNG/NHAI/2022-23/02 dt 02.01.2024 and NHAI recent letter NHAI/PIU/Thanj/11021/119/2022/2070 Dated 22.08.2024 for buried valve chamber in the stretch (NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City). IRMEL had detailed discussion with technical experts





and was concluded that, valve chamber being critical asset and cannot be buried due to technical issue explained below,

Sr No.	Location of laying gas pipe line	Concessionaire's Comments	Response for the Observation
1	NH-83 (Trichy – Tanjore)	<u>To Provide the buried valve chamber</u>	<p>After careful consideration and assessment, it has become evident that the proposed buried valve chamber may not be feasible due to following reasons,</p> <ol style="list-style-type: none"> <li>1) Accessing buried valve chamber would not be possible during emergency shutdown of valve chamber</li> <li>2) Scheduled routine Maintenance of valve chamber would not be possible.</li> <li>3) Other operational activities like Leak check, inspection cannot be carried.</li> </ol>

Given the concerns, I respectfully request a review of the current plan and give us the permission for the construction of valve chamber as submitted.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.

**For any further details you may contact as below:**

Contact Person - Mr. Arivazhagan. R (General Manager – PNG Projects)  
 Email - arivu.r@irmenergy.com  
 Contact No. - +91 - 6359858555

Thanking you.

Yours Sincerely,

For IRM Energy Limited



Arivazhagan R.  
 General Manager – PNG Projects  
 Encl: As above

**Communication Address**

Mohan Raj Ravi (Asst. Manager)  
 IRM Energy Limited  
 D72 Third Floor, Kanchana Enclave, 7<sup>th</sup> Cross, Thillai, Trichy – 620018  
 Mob - +91 -6353677515  
 Email - [mohan.ravi@irmenergy.com](mailto:mohan.ravi@irmenergy.com)

CC : TIDCO, Chennai.





# IRM ENERGY LIMITED

4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge,  
S.G. Highway, Thaltej, Ahmedabad – 380054, Gujarat.  
Tel. No : +91 7021105815 / +91 8866772839

## Namakkal & Tiruchirappalli GA

(Taluka: Tiruchirappalli)

Sub: Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

To,  
The Project Director,  
Project Implementation Unit - Thanjavur  
National Highway Authority of India,  
Thanjavur, Prabha Nagar Extension,  
Gandhipuram, Thanjavur,  
Tamil Nadu – 613 004.



Arivazhagan. R  
General Manager – Projects  
For IRM Energy Limited

4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge, S.G. Highway, Thaltej,  
Ahmedabad – 380054, Gujarat.

**CHECK – LIST**

Check list for getting approval for Installation of Valve Chamber for Approved Gas Pipeline on  
NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)  
Government of India Guidelines GR No. RW/NH-33044/29/2015/S&R(R) Dtd. 22.11.2016

Sr. No.	Item	Information / Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant / Agency	IRM Energy Limited 4 <sup>th</sup> Floor, 8 <sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge, S. G. Highway, Thaltej, Ahmedabad – 380054, Gujarat	
1.2	National Highway Number	NH-83	
1.3	State	Tamil Nadu	
1.4	Location	From Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity	
1.5	(Chainage in Km)	Location of Installation of Valve Chamber: 1) (LHS) At Ch:123.800 Km 2) (LHS) At Ch:123.850 Km 3) (LHS) At Ch:124.700 Km 4) (LHS) At Ch:124.850 Km 5) (LHS) At Ch:125.000 Km 6) (LHS) At Ch:125.850 Km 7) (LHS) At Ch:126.000 Km 8) (LHS) At Ch:126.300 Km 9) (LHS) At Ch:126.550 Km 10) (LHS) At Ch:126.850 Km 11) (LHS) At Ch:127.850 Km 12) (LHS) At Ch:128.850 Km 13) (LHS) At Ch:129.590 Km 14) (RHS) At Ch:129.650 Km 15) (RHS) At Ch:129.850 Km 16) (RHS) At Ch:130.700 Km 17) (RHS) At Ch:130.850 Km 18) (RHS) At Ch:131.750 Km 19) (RHS) At Ch:132.750 Km 20) (RHS) At Ch:133.630 Km 21) (RHS) At Ch:133.750 Km 22) (RHS) At Ch:134.750 Km 23) (RHS) At Ch:135.630 Km 24) (RHS) At Ch:135.750 Km 25) (RHS) At Ch:136.490 Km	
1.6	Length in Meters	N.A.	
1.7	Width of available ROW	23.20 m - 52.71 m	
	(a) Left side from center line towards increasing chainage / km direction	11.27m - 31.77 m	
	(b) Right side from center line towards increasing	10.85m – 28.86 m	



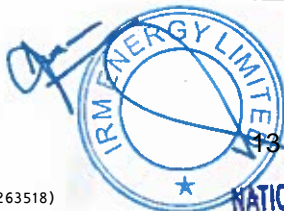
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	chainage / km direction		
1.8	Proposal to lay underground Gas pipeline	Yes	
	(a) Left side from center line towards increasing chainage / km direction	10.27-30.77	
	(b) Right side from center line towards increasing chainage / km direction	9.85-27.86	
1.9	Proposal to acquire Land	N.A.	
	(a) Left side from center line	N.A.	
	(b) Right side from center line	N.A.	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the Pipeline	N.A.	
1.11	Details of already laid services, if any, along the proposed route	NIL	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	6 Lane	
1.14	Service Road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	Yes, Show in Drawings	
	(b) Right side from center line	Yes, Show in Drawings	
1.15	Proposed Service Road	N.A.	
	(a) Left side from center line	N.A.	
	(b) Right side from center line	N.A.	
1.16	Whether proposal to lay Gas pipeline / Valve Chamber is after the service road or between the service road and main carriageway	N.A.	
1.17	The permission for laying of Gas pipeline / Valve Chamber shall be considered for approval / rejection based on the Ministry Circulars as per Government of India, MORT&H guidelines RW / NH – 33044 / 29 / 2015 / S&(R) on Dated - 22nd Nov 2016.	N.A.	
	(a) Carrying of sewage / Gas pipelines / Valve Chamber 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 Gas.	N.A.	
	(b) Carrying of Gas pipelines / Valve Chamber on bridges shall not be discouraged. However, if the Gas authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	N.A.	
	(c) Cost of required extension of the substructure as	YES	



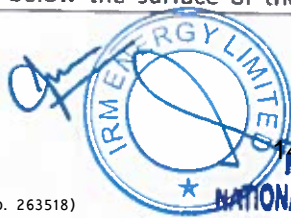
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	well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.		
	(d) Services are not being allowed indiscriminately on the parapet / any part of the bridges; Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.	YES	
1.18	If crossings of the road involved If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	N.A.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	N.A.	
	(b) The utility services shall cross the National Highway preferably on a line normal to it or as nearly show as practicable. IRM Energy Private Limited shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.	N.A.	
	(c) The casing pipe may be installed under the route embankment either by boring or digging a trench. Installation by boring method shall preferred.	N.A.	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	N.A.	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	N.A.	
	(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.	N.A.	
	(g) The top of the casing / conduit pipe should be at least 2.50 meter below the surface of the road	N.A.	



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PIU-THANJAVUR

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NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR

	subject to being at least 0.3 meter below the drain inverts.		
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	N.A.	
	(i) The casing / conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a Gas way along it.	N.A.	
2	Document / Drawings enclosed with the proposal	N.A.	
2.1	Cross section showing the size of trench for open trenching method. (Is it normal size of 1.65-meter-deep X 0.600 meter wide) (i) Should not be greater than 60 cm wider than the outer diameter of the pipe (ii) located as close to the extreme edge of the right-of-way as possible but the utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. (iii) The casing pipe shall be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred. (iv) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges (v) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	N.A.	
2.2	Cross section showing the size of pit and location of Pipeline for Open Cut Method	N.A.	
2.3	Strip plan / Route plan showing Gas pipeline / Valve Chamber, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	N.A.	
2.4	Methodology for laying of Gas pipeline / Valve Chamber	N.A.	
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 (a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe. (b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of	N.A.	

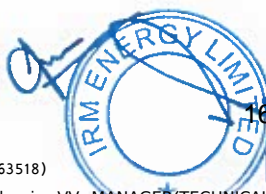


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	granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value.		
	(C) Unsuitable soil and rock edged should be excavated and replaced by selected material.	N.A.	
	(d) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	N.A.	
	(e) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	N.A.	
	(f) 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 deep at the trench.	N.A.	
	(g) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	N.A.	
	(h) If required, a diversion shall be constructed at the expense of agency owning the utility line	N.A.	
2.4.2	Horizontal Directional Drilling (HDD) Method	N.A.	
2.4.3	Laying of Gas pipeline through CD works and method of laying	N.A.	
	The utility services shall cross the National Highway preferably on a line normal to it for as nearly so as practicable and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. RW/NH-33044/29/ 2015/S&R(R) – Dtd. 22nd November, 2016	N.A.	
3	Draft License Agreement signed by two witnesses	Draft License Agreement enclosed duly signed by two witnesses	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @ Rs.250/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50 meters away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth.	IRM Energy Limited Submit at the time of permission	
4.1	Performance BG as per above is to be obtained	YES	
4.2	Confirmation of BG has been obtained as per MoRTH's guidelines	Will confirm At the time of permission	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay	Enclosed	



16  
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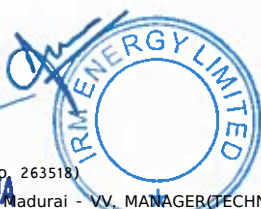
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	the losses either to NHAI or to the concerned agency		
5.2	Renewal of Bank Guarantee	Will be done	
5.3	Confirming all standard condition of MoRTH's guidelines	Enclosed	
5.4	Shifting of Gas Pipeline / Valve Chamber as and when required by NHAI at IRMEL's own cost	N.A.	
5.5	Shifting due to 6/8 lanning / widening of NH	N.A.	
5.6	Indemnity against all damages and claims clause (xxiv)	Enclosed	
5.7	Traffic movement during laying of Gas pipeline / Valve Chamber to be managed by the applicant	N.A.	
5.8	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant	Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations showing Gas Pipeline located in the National Highway right-of-ways.	Enclosed	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the Gas Pipeline will be borne by the agency owning the line.	Enclosed	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format	N.A.	
	(i) Laying of Gas Pipeline / Valve Chamber will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	N.A.	
	(ii) for 6/8 – lanning “We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI.” for future Six – lanning or any other development.”	N.A.	
6	Who will sign the agreement on behalf of Gas Pipeline agency? Power of attorney to sign agreement available or not	Arivazhagan. R General Manager – PNG Projects Available & Enclosed	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. – RW/NH-33044/29/2015/S&R(R) – Dated 22 <sup>nd</sup> November, 2016		
7.2	Certificate from NHAI, PIU, Thanjavur in the following format		
	(i) “It is certified that any other location of the Gas Pipeline would be extremely difficult and		

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	unreasonable costly and the installation of Gas Pipeline 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 6/8 – lanning (a) Where feasibility is available “I do certify that there will be no hindrance to proposed Six-lanning based on the feasibility report considering proposed structures at the said location”. (b) In case feasibility report is not available “I do certify that sufficient ROW is available at site for accommodating proposed Six-lanning”.		
8	If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement. “The permitted Highway on which Licensee has been granted the right of lay cable / duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [_____ section from Km ____ to Km ____ of NH No – ____ on Build, Operate and Transfer Basis] and therefore, the licensee shall honor the same.”	NA	
9	Who will supervise the work of laying of Gas Pipeline	IRM Energy Limited	
10	Who will ensure that the defects in road portion after laying of PNG Gas Supply Pipeline are corrected and if not corrected then what action will be taken	NHAI, PIU, Thanjavur	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	IRM Energy Limited	
12	A certificate from Project Director, NHAI, PIU, Thanjavur that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)		
13	If any previous approval is accorded for laying of underground Gas Pipeline, then Photocopy of register of records of permissions accorded as maintained by Project Director, NHAI, PIU, Thanjavur then copy be enclosed		

  
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For IRM Energy Limited



**Arivazhagan.R**  
 General Manager – PNG Projects

  
**GENERAL MANAGER (T) & PROJECT DIRECTOR**  
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**ANNEXURE- A****Details of Installation of Valve Chamber for Approved Gas Pipeline on NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)**

1. (i) Name of company asking for Permission : IRM Energy Limited
- (ii) Contact Person: Name & Designation : Arivazhagan R  
General Manager – Projects
- (iii) Full Address : 4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park,  
Nr. Sola Bridge, S. G. Highway, Thaltej,  
Ahmedabad – 380054, Gujarat
- (iv) Telephone No. and Fax : 079-26562615  
Fax: (02718) 225031
- (v) Details & purpose for laying the pipe line : Permission to install Steel & MDPE Valve Chamber  
parallel to NH Land at various Locations for proposed 12"/8"/4" Dia.  
Steel & 125 mm Dia. MDPE Gas Pipeline  
Along/Across NH-83 (Karappalayam-Kattur)  
(Trichy-Thanjavur) from Thiruverumbur to NIT  
Tiruchirappalli (towards Thuvakudi) &  
Thiruverumbur to Tiruchirappalli City Connectivity  
to develop City Gas Distribution Network in  
Tiruchirappalli City of District Tiruchirappalli, State  
Tamil Nadu.
- (vi) Any other details regarding laying :
  - (a) Distance of proposed site from the : Extreme Edge of ROW  
center of the road.
  - (b) Whether it is possible to lay the : N.A.  
proposed lines or not (reasons)
  - (c) Whether it is possible to cross the : N.A.  
proposed lines through existing  
lines or not (reasons)
2. Details regarding road alignment whether U/G :  
Cable / pipe is to be laid a along the road
  - (i) Name of Road : NH-83 (Karappalayam-Kattur)  
(Trichy-Thanjavur)
  - (ii) Category of road (to be ascertained from Km. : Along:  
stone on road side)
    - 1) (LHS) At Ch:123.800 Km
    - 2) (LHS) At Ch:123.850 Km
    - 3) (LHS) At Ch:124.700 Km
    - 4) (LHS) At Ch:124.850 Km
    - 5) (LHS) At Ch:125.000 Km
    - 6) (LHS) At Ch:125.850 Km



- 7) (LHS) At Ch:126.000 Km
- 8) (LHS) At Ch:126.300 Km
- 9) (LHS) At Ch:126.550 Km
- 10) (LHS) At Ch:126.850 Km
- 11) (LHS) At Ch:127.850 Km
- 12) (LHS) At Ch:128.850 Km
- 13) (LHS) At Ch:129.590 Km
- 14) (RHS) At Ch:129.650 Km
- 15) (RHS) At Ch:129.850 Km
- 16) (RHS) At Ch:130.700 Km
- 17) (RHS) At Ch:130.850 Km
- 18) (RHS) At Ch:131.750 Km
- 19) (RHS) At Ch:132.750 Km
- 20) (RHS) At Ch:133.630 Km
- 21) (RHS) At Ch:133.750 Km
- 22) (RHS) At Ch:134.750 Km
- 23) (RHS) At Ch:135.630 Km
- 24) (RHS) At Ch:135.750 Km
- 25) (RHS) At Ch:136.490 Km

## (iii) Width of the road

- (a) Formation width measured from earthen bank : 22.50 m
- (b) Black Topped carriageway width : 17.50 m
- (c) Road Boundary (extent of highway land) : 52.71 m  
(All these details are to be shown on the drawing also)
- (d) Location of Pipeline Laying Parallel : Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City

3. Details to be supplied on layout drawings (4 sets) : Drawing Enclosed

## 4. GEOGRAPHICS OF THE PIPELINE ROUTE

- (a) Dimension of the Pipeline trench : N.A.
- (b) Dimension of Protection pipe. : N.A.
- (c) Diameter of the Pipeline / Cable. : N.A.
- (d) Right of User : 0.610 m

5. (i) This is to certify that no Govt. Land shall be occupied by IRM Energy Limited, Ahmedabad except for the purpose of laying of Pipeline / UG Cables. : Agreed

- (ii) This is to certify that the work shall be in accordance with the Govt. Rules and regulations in force from time to time and binding to IRM Energy Limited : Agreed



- (iii) This is to certify that all required cost and fees : Agreed  
as per rules and regulation of the Govt. will be  
deposited timely.

For IRM Energy Limited



Arivazhagan. R  
General Manager – Projects

## Annexure – B

### Information to be furnished along with the proposal for Laying Underground Pipeline Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)

1. Exact location of along with : N.A.  
Chainage of the National Highway  
and right of way of NHAI at  
Crossing point
2. Drawing showing distance of cable : N.A.  
/ pipe and ROW From centerline of  
Highway (Minimum distance of  
Cable / Pipe inside from edge of  
ROW edge)
3. Methodology of crossing in NH by : N.A.  
trench less technique
4. Crossing details: Plan & Cross : N.A.  
section drawing showing depth of  
crossing at a minimum 2.50 m from  
existing ground with sealing ends  
pipe
5. Route index plan along the : N.A.  
Highway showing the following
  - (A) Existing ROW of NH in Green : N.A.  
Colour
  - (B) Gas Pipe in Red, Green & Blue : N.A.  
Colour
6. Undertaking that you shall take : N.A.  
care of existing Service lines that  
have been laid previously

For IRM Energy Limited



**Arivazhagan. R**  
**General Manager – Projects**

### Annexure C

#### **Conditions to be enclosed / incorporated in the approval letter for Permission for Installation of Valve Chamber for Approved Gas Pipeline**

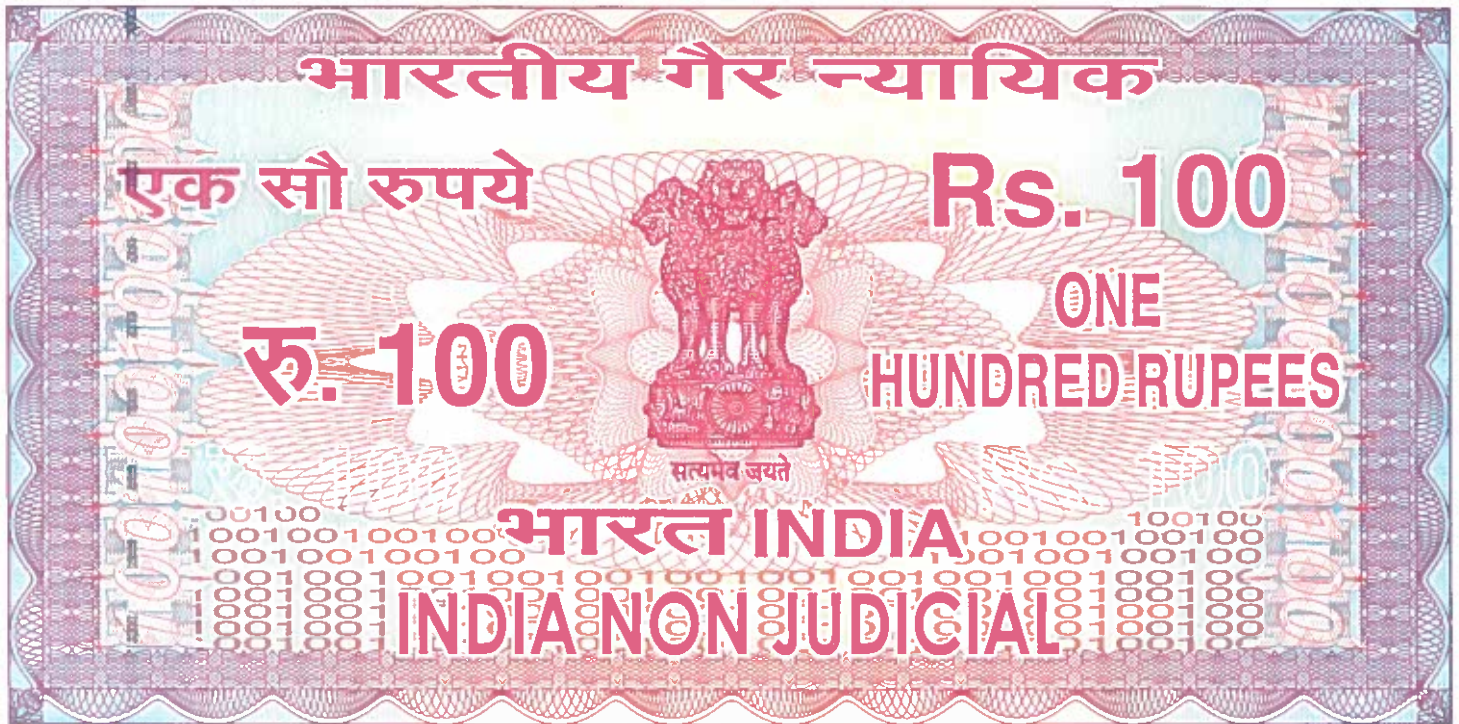
1. It shall be confirmed that there are no structures within 15 mts from the crossing of pipeline.
2. All others small canals and culverts will be crossed by HDD method.
3. The pipeline will be laid at minimum depth of 1.65 meter below the road top level or existing ground level whichever is lower by open cut method for along portion.
4. While crossing the road, it will be laid at a minimum depth of 2.5 m from the TOP of the road surface or Ground level which is at the lowest level.
5. The various undertaking given by the applicant are to be strictly adhered to.
6. The applicant has to submit requisite Bank Guarantee for the above said work before signing of the license deed.
7. All the conditions mentioned in the proposal specially mentioned in license deed, Annexures and other conditions mentioned by the RO in the proposal as strictly follow by the agency with conditions to be incorporated in the approval letter for permission for crossing are to be strictly complied with.
8. The work shall be carried out as per MoRT&H guideline with all safety measures.
9. The agency is to follow the above all guidelines and conditions strictly and to remain in constant touch with the concerned authorities/bodies/parties and to ensure the compliance of the same are being done.
10. The approval is subject to condition that, the proponent agency will not claim any kind of revenue loss/insurances/cost of protection or any other such losses in case of closure of pipe due to any damage/shifting at the time of any kind of development maintenance of road work.
11. The smooth and safe flow of traffic shall be maintained by the proponent agency at the time of execution, and the proponent agency shall be held responsible for any kind of accident occurring due to insufficient safety measures.
12. Methodology for laying pipeline will not have any deteriorious effects on any of the bridge component and roadway safety of traffic.

For IRM Energy Limited



Arivazhagan. R

General Manager – PNG Projects



தமிழ்நாடு தமில்நாடு TAMILNADU

17 FEB 2024

DW 743705

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

### UNDERTAKING

I, the undersigned, Mr. Arivazhagan R, age 42 years, residing at Trichy Occupation: Service as General Manager – Projects with IRM Energy Limited having its Office at 4th Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Near Sola Bridge, S.G. Highway, Thaltej, Ahmedabad – 380054 on behalf of IRMEL hereby undertakes the responsibilities of laying of pipeline along/across National Highway at below mentioned locations as per the technical specification and approved drawings of National Highway (NH). Also, the pipeline does not pose any problem / hindrance for the six lanning, widening and future service roads to be generated due to implementation NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur).

Along:

- 1) (LHS) At Ch:123.800 Km
- 2) (LHS) At Ch:123.850 Km
- 3) (LHS) At Ch:124.700 Km
- 4) (LHS) At Ch:124.850 Km
- 5) (LHS) At Ch:125.000 Km
- 6) (LHS) At Ch:125.850 Km
- 7) (LHS) At Ch:126.000 Km
- 8) (LHS) At Ch:126.300 Km
- 9) (LHS) At Ch:126.550 Km
- 10) (LHS) At Ch:126.850 Km
- 11) (LHS) At Ch:127.850 Km
- 12) (LHS) At Ch:128.850 Km
- 13) (LHS) At Ch:129.590 Km
- 14) (RHS) At Ch:129.650 Km
- 15) (RHS) At Ch:129.850 Km



- 16) (RHS) At Ch:130.700 Km
- 17) (RHS) At Ch:130.850 Km
- 18) (RHS) At Ch:131.750 Km
- 19) (RHS) At Ch:132.750 Km
- 20) (RHS) At Ch:133.630 Km
- 21) (RHS) At Ch:133.750 Km
- 22) (RHS) At Ch:134.750 Km
- 23) (RHS) At Ch:135.630 Km
- 24) (RHS) At Ch:135.750 Km
- 25) (RHS) At Ch:136.490 Km

Pipeline length of casing and depth of pipeline will be maintained to suit the requirement of National Highway Authority of India (NHAI) and work will be carried out keeping safety points into consideration.

Crossing will be carried out by HDD method and the Gas pipeline shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. The casing pipe of the Gas pipeline shall be installed under the road embankment either by boring or digging trench.

The Gas Pipeline along shall be laid along the National Highway in stretches where utility ducts have not been provided, the gas pipeline shall be laid beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW by open cut method as possible from any existing structure and care will be taken for all existing utility services; in accordance with GOI, MORTH guidelines issued vide letter No. RW/NH-33044/29/2015/S&R(R) – Dtd. 22nd November, 2016.

For IRM Energy Limited



Arivazhagan R  
General Manager – Projects

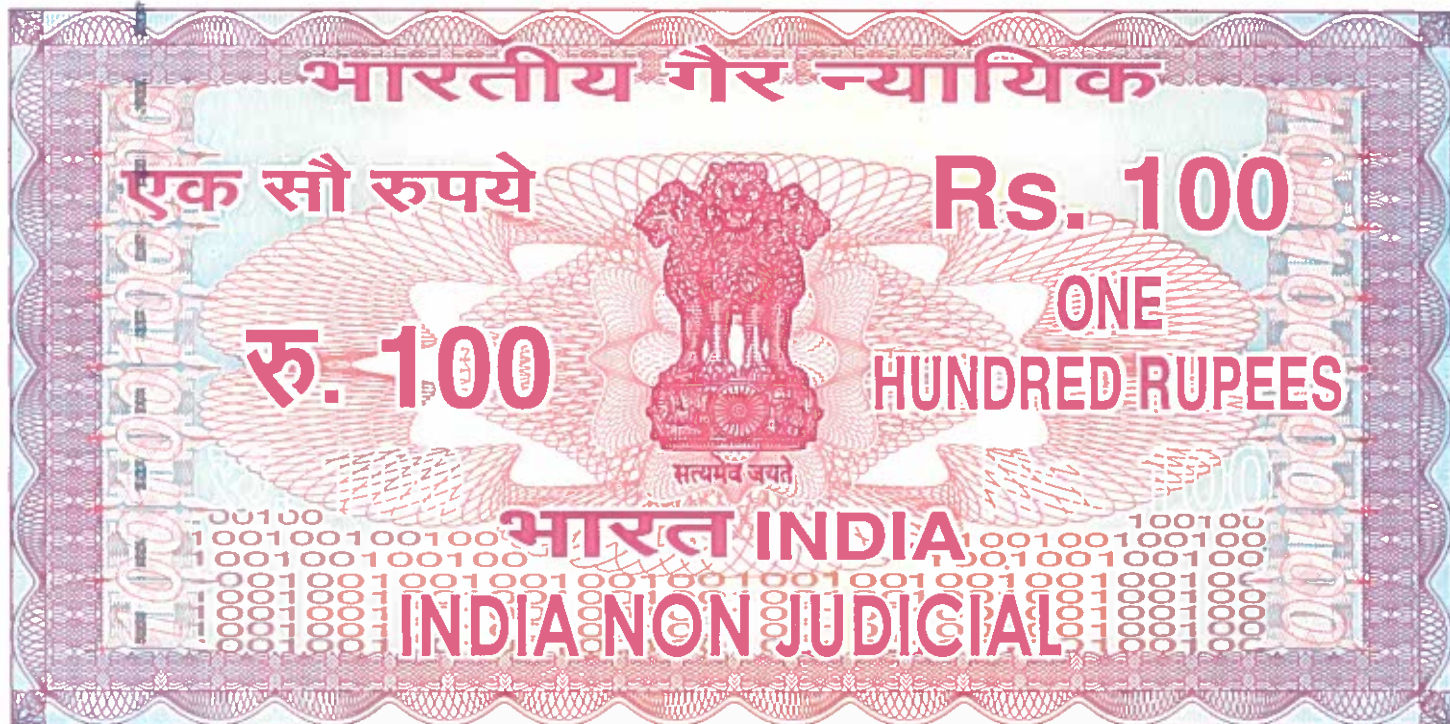
## Annexure – I

<b>Affidavit / Undertaking from the Applicant for Installation of Valve Chamber for Approved Gas Pipeline on</b>	
1	Not to Damage to other utility, if damaged then to pay the losses either to the Project Director, NHAI, PIU, Thanjavur or to the concerned agency
2	Renewal of Bank Guarantee
3	Confirming all standard condition of MoRTH'S 's guidelines
4	Shifting of Gas pipeline / Valve Chamber as and when required by the Project Director, NHAI, PIU, Thanjavur at IRMEL's own cost
5	Shifting due to 6/8 lanning / widening of NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)
6	Indemnity against all damages and claims clause (xxiv)
7	Traffic movement during laying of Gas pipeline to be managed by the applicant
8	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant
9	Prior approval of the Project Director, NHAI, PIU, Thanjavur shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline / Valve Chamber located in the National Highway right-of-ways.
10	Expenditure, if any, incurred by the Project Director, NHAI, PIU, Thanjavur for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline / Valve Chamber will be borne by the agency owning the line.
11	If the Project Director, NHAI, PIU, Thanjavur considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the Project Director, NHAI, PIU, Thanjavur at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
12	Certificate from the applicant in the following format
	(a) Laying of Gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
	(b) for 6/8 – lanning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by the Project Director, NHAI, PIU, Thanjavur for future Six-lanning or any other development."

**For IRM Energy Limited**



**Arivazhagan. R**  
**General Manager – Projects**



தமிழ்நாடு தமில்நாடு TAMILNADU

7 FEB 2024

DW 743703

R. MADANAJAN, S.D.C.,  
Stamp Vendor  
L. No: 8403/93  
District Court  
Trichy. T. Nadu

We, IRM Energy Limited, 4th Floor, 8th Block, Magnet Corporate Park, Nr. Sola Bridge, S. G. Highway, Thaltej, Ahmedabad – 380054, Gujarat, propose to install Steel & MDPE Valve Chamber at various Locations for proposed 12”/8”/4” Dia. Steel & 125 mm Dia. MDPE Gas Pipeline Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) National Highways.

We here by undertake the Standard Conditions of National Highway Guidelines:

- Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency**  
We will take full care not to damage any existing service lines during the crossing of pipe line (Gas pipe line, Water supply line, Electric line or any other line) and if damage than will pay all losses either to the concerned agency or to NHAI.
- Confirming all Standard condition of NHAI's guideline**  
IRMEL will confirm all standard condition of Ministry circulars and NHAI guidelines
- Shifting of Gas pipeline as and when required by NHAI at their own cost.**  
If required Gas line will be shifted as per NHAI instruction at IRMEL cost and risk.
- Shifting due to 6/8 Lanning / widening of NH**  
IRMEL agree to shift pipeline due to 6/8 Lanning / widening of NH.



5. **Indemnity against all damages and claims clause (xxiv)**  
IRMEL indemnify to pay against all damages and claims raised by NHAI due to damages of gas pipeline which does not include Natural Calamities & Force measure.
6. **Traffic movement during laying of Gas pipeline to be managed by the Applicant**  
IRMEL will manage traffic movement during laying of gas pipeline if required.
7. **If any claim is raised by the Concessionaire, then the same has to be paid by the applicant**  
If any claim raised by the concessionaire due to damage of gas pipeline, then the same will be paid by IRMEL.
8. **Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline located in the National Highway right-of-way.**  
Prior approval of the NHAI shall be obtained before undertaking any work of installation Shifting or repairs or alteration to the Gas line.
9. **Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline will be borne by the agency owning the line**  
Any expenditure incurred by NHAI for repairing any damage caused to the National Highway for laying, maintenance or shifting of the Gas pipeline will be borne by IRMEL.
10. **If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.**  
If the NHAI considers it necessary in future to move the utility line for any works of Improvement or repairs to the road, it can carried out as desired by the NHAI at the cost of IRMEL.
11. **Certificate from the applicant in the following format**  
**Laying of Gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.**  
We certify that laying of Gas pipe line will not have any deleterious effect on any of the Bridge Components and roadway safety traffic.
12. **We do undertake that I / We will relocate service road / approach road / utilities at my / our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future 6/8 lanning or any other development.**  
IRMEL do undertake that company will relocate its pipeline from service road / approach road / utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for further 6/8 lanning or any other development.
13. **Renewal of Bank Guarantee & Licensee Fee**  
IRMEL will submit the renewal Bank Guarantee before the expiry date of Bank Guarantee submitted earlier by IRMEL to NHAI. IRMEL will pay the Licensee fee for laying its gas pipelines as per norms.

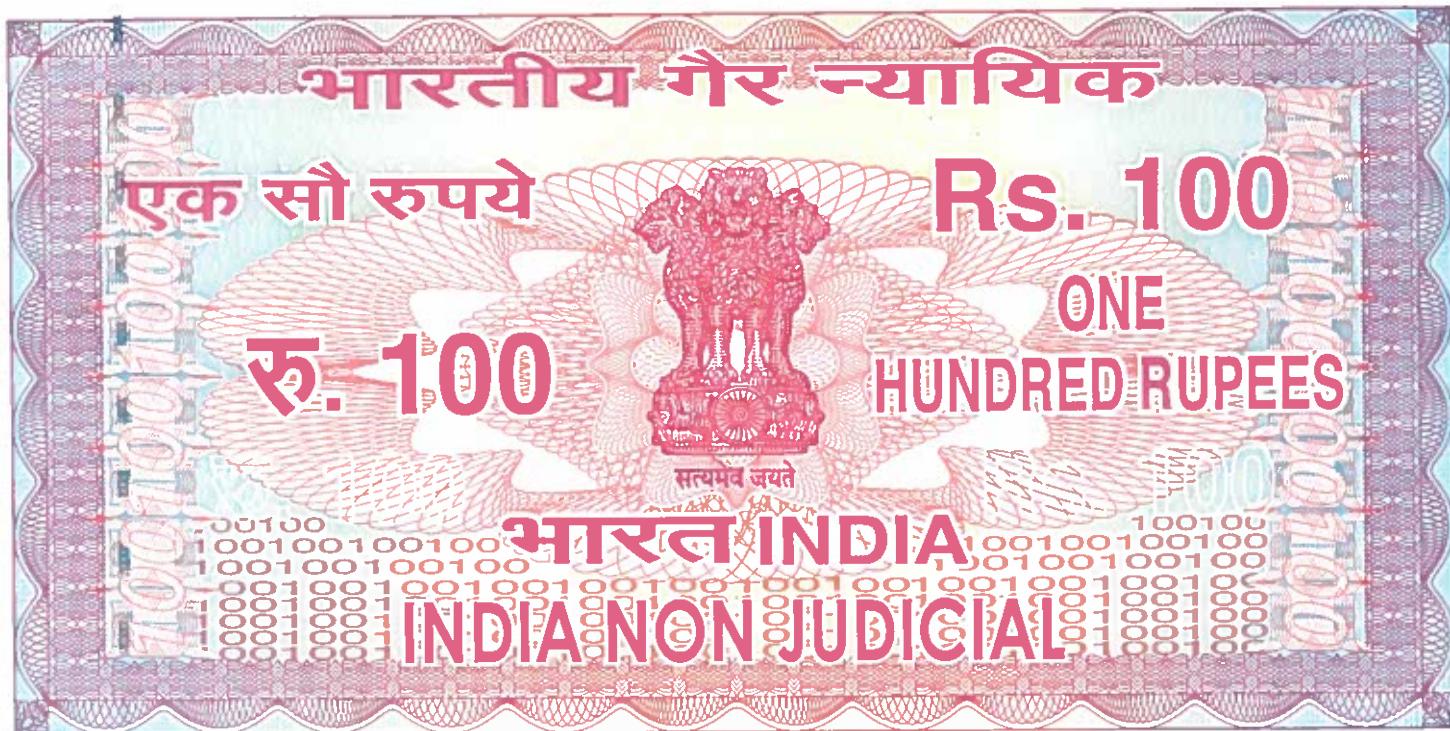


14. **Undertaking for furnishing of performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines.**  
IRMEL will submit the performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines. RW/NH-33044/29/2015/S&(R) on Dated-22<sup>nd</sup> Nov 2016.
15. **Licensee Fee Payment**  
Licensee fee to NHAI as per GOI, MORTH Guidelines No RW/NH-33044/29/2015/S&(R) on Dated-22<sup>nd</sup> Nov 2016.
16. If it is found at any stage that laying/crossing work is not carried out as per approved proposal and MORT&H guidelines/norms mentioned in MORT&H circular no. RW/NH-33044/29/2015/S&R[R] dated 22.11.2016 then the applicant agency will rectify/redo the work as approved at its own risk & cost.

For IRM Energy Limited



Arivazhagan R  
General Manager – Projects



தமிழ்நாடு தமில்நாடு TAMILNADU

7 FEB 2024

DW 743706

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

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY  
PERMISSIONS**

Permission to install Steel & MDPE Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) of 2023 between The Project Director, National Highway Authority of India (NHAI), PIU-Thanjavur acting his executive capacity through \_\_\_\_\_ (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and M/s. IRM ENERGY LIMITED a company registered under the Companies Act, 1956 and having its Registered Office at 4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge S.G. Highway, Thaltej, Ahmedabad – 380054, Gujarat (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include this successors / administrator assignees on the second part.



Whereas the Authority is responsible, inter-alia, for development and maintenance of lands of NH-83 (KARAPPALAYAM-KATTUR) (TRICHY-THANJAVUR) ROW.

Whereas the Licensee proposes to lay Gas pipe line referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility service ALONG/ACROSS NH-83 as per below details.

Along:

- 1) (LHS) At Ch:123.800 Km
- 2) (LHS) At Ch:123.850 Km
- 3) (LHS) At Ch:124.700 Km
- 4) (LHS) At Ch:124.850 Km
- 5) (LHS) At Ch:125.000 Km
- 6) (LHS) At Ch:125.850 Km
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- 12) (LHS) At Ch:128.850 Km
- 13) (LHS) At Ch:129.590 Km
- 14) (RHS) At Ch:129.650 Km
- 15) (RHS) At Ch:129.850 Km
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- 22) (RHS) At Ch:134.750 Km
- 23) (RHS) At Ch:135.630 Km
- 24) (RHS) At Ch:135.750 Km
- 25) (RHS) At Ch:136.490 Km

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

1. Row permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions / scope of activities defined in the license agreement & for the purpose for which it is granted.



2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption / damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility / industrial infrastructure facilities.
4. The License fee of Rs. \_\_\_\_\_/- (in words) shall become payable for 5 years from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure / service provide. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. For shall have to be paid in advance for the period of 5 years 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 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and 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 1.2 m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3 m below the drain inverts. A Drawing showing the clearances is attached herewith.
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 stage (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 50 m away from the edge of the right of way;

18. All required restoration works subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a **performance Bank Guarantee of Rs. \_\_\_\_\_ (in words)** with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / its designated agency as a security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;
21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement / widening of the road / route / highway or construction of flyover / bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities / underground installations / facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation / using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations / utilities / facilities etc.
23. The Licensee shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages / recover the claims by forfeiture of Bank Guarantee.



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



permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of Gas Pipeline 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 manufactures,
  - b) the requirements of Law,
  - c) the physical conditions at the Site, and
  - d) The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety 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.

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

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

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI \_\_\_\_\_

(Signature, name & address with stamp)



SIGNED ON BEHALF OF M/S IRM ENERGY LIMITED (LICENSEE)

BY Arivazhagan R  
General Manager – Projects

**IRM ENERGY LIMITED**

4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge, S.G Highway, Thaltej, Ahmedabad - 380054, Gujarat

HOLDER'S LETTER OF AUTHORITY – THE RESOLUTION PASSEED BY THE MANAGEMENT COMMITTEE OF THE BOARD OF DIRECTORS OF IRM ENERGY LTD. AT THEIR MEETING HELD ON FRIDAY, SEPTEMBER 02, 2022 AT 01:00 PM AT THE REGISTER OFFICE OF THE COMPANY

IN THE PRESENCE OF (WITNESSES):

1. \_\_\_\_\_

2. \_\_\_\_\_



தமிழ்நாடு தமில்நாடு TAMILNADU

7 FEB 2024

DW 743708

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

**NAME OF WORK:** FOR INSTALL STEEL & MDPE VALVE CHAMBER AT VARIOUS LOCATIONS FOR PROPOSED 12"/8"/4" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE ALONG/ACROSS NH-83 (KARAPPALAYAM-KATTUR) (TRICHY-THANJAVUR) FROM THIRUVERUMBUR TO NIT TIRUCHIRAPPALLI (TOWARDS THUVAKUDI) & THIRUVERUMBUR TO TIRUCHIRAPPALLI CITY CONNECTIVITY TO DEVELOP CITY GAS DISTRIBUTION NETWORK IN TIRUCHIRAPPALLI CITY OF DISTRICT TIRUCHIRAPPALLI, STATE TAMIL NADU.

**VC LOCATIONS:** (1) CH:123.800 Km., (2) CH:123.850 Km., (3) CH:124.700 Km.,  
(4) CH:124.850 Km., (5) CH:125.000 Km., (6) CH:125.850 Km., (7) CH:126.000 Km.,  
(8) CH:126.300 Km., (9) CH:126.550 Km., (10) CH:126.850 Km., (11) CH:127.850 Km.,  
(12) CH:128.850 Km., (13) CH:129.590 Km., (14) CH:129.650 Km., (15) CH:129.850 Km.,  
(16) CH:130.700 Km., (17) CH:130.850 Km., (18) CH: 131.750 Km., (19) CH:132.750 Km.,  
(20) CH:133.630 Km., (21) CH:133.750 Km., (22) CH:134.750 Km., (23) CH:135.630 Km.,  
(24) CH:135.750 Km., (25) CH:136.490 Km.

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

We, M/S. IRM Energy Limited, Ahmedabad do hereby indemnify the Project Director, PIU, National Highway Authority of India, Thanjavur binding ourselves to pay all the losses and claims in respect of : FOR INSTALL STEEL & MDPE VALVE CHAMBER AT ABOVE



MENTIONED VARIOUS LOCATIONS FOR PROPOSED 12"/8"/4" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE ALONG/ACROSS NH-83 (KARAPPALAYAM-KATTUR) (TRICHY-THANJAVUR) FROM THIRUVERUMBUR TO NIT TIRUCHIRAPPALLI (TOWARDS THUVAKUDI) & THIRUVERUMBUR TO TIRUCHIRAPPALLI CITY CONNECTIVITY to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli in the state of Tamil Nadu or maintenance thereof and against all claims in proceedings damages, costs, charges and expenses whatsoever in respect thereof in relation there to failing such payments of claims in the above work we abide in accepting for recovery of such claims affected form any of our assets.



For IRM Energy Limited

**IRM ENERGY PRIVATE LIMITED**

(A Group Company of Cadila Pharmaceuticals Ltd.)



O/o Secretary

PNGRB

Diary No. 10685

Date No. 18.03.22

Dak No. 352016000

Date: 25/03/2022

To,  
The Secretary,  
Petroleum & Natural Gas Regulatory Board,  
World Trade Centre, 1<sup>st</sup> Floor,  
Babar Road,  
New Delhi – 110001

**Subject:** Acceptance of Authorization Letter, dated 15/03/2022 for development of City Gas Distribution Network in the Geographical Area of Namakkal and Tiruchirappalli Districts.

Dear Madam,

We hereby accept the terms and conditions mentioned in the authorization letter having Ref. No. PNGRB/Auth/CGD(61)/2021/11.48 dated 15/03/2022 for development of City Gas Distribution Network in the Geographical Area of Namakkal and Tiruchirappalli Districts.

Please find attached authorized letter duly signed and stamped. Kindly acknowledge the receipt of this letter.

Yours Truly,

Thanking You,

For IRM Energy Pvt. Ltd.

*Karan Kishor*  
For, IRM Energy Private Limited  
Authorized Signatory  
Name: Karan Kishor  
Designation: Chief Executive Officer

Registered and Corporate Office : 4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge, S.G. Highway, Thaltej,

Ahmedabad - 380054, Gujarat, India. Phone No : 079-49031500 Website: www.irmenergy.com

CIN : U40100GJ2015PTC085213



पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड  
Petroleum and Natural Gas Regulatory Board

प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नयी दिल्ली-110001

1<sup>st</sup> Floor, World Trade Centre, Babar Road, New Delhi - 110001

फैक्सनं./Fax No. 91 11 23709151; E-mail: [contact@pngrb.gov.in](mailto:contact@pngrb.gov.in)

PNGRB/Auth/CGD(61)/2021/11.48

15<sup>th</sup> March, 2022

To

Shri Karan Kaushal  
Chief Executive Officer  
IRM Energy Private Limited  
4<sup>th</sup> Floor, 8th Block, Magnet Corporate Park,  
Near Sola Bridge, S G Highway, Thaltej,  
Ahmedabad-380054

Subject: Grant of Authorization to IRM Energy Private Limited for development of City Gas Distribution Network in the Geographical Area of Namakkal and Tiruchirapalli districts

With reference to submission of Performance Bank Guarantee for Rs. 33 crore vide your letter dated 19.02.2022, as per the requirement under Regulation 10 (1) of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008, please find enclosed authorization in Schedule D for the GA of Namakkal and Tiruchirapalli districts in duplicate.

2. You are requested to put your stamp & signature on each page of the document and return one copy, within 7 days of receipt of this communication, to the PNGRB for records.
3. The enclosed authorization issues with the approval of the Board.

Yours faithfully

Encl: As above

*Vandana Sharma*  
(Vandana Sharma)  
Secretary

*Karan Kaushal*



श्री वंदना शर्मा / VANDANA SHARMA  
सचिव / Secretary  
पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड  
Petroleum & Natural Gas Regulatory Board  
नयी दिल्ली-110001  
New Delhi-110001

Schedule DGrant of authorisation for laying, building, operating or expanding CGD network

To  
 Shri Karan Kaushal  
 Chief Executive Officer  
 IRM Energy Private Limited  
 4th Floor, 8th Block, Magnet Corporate Park,  
 Near Sola Bridge, S G Highway, Thaltej,  
 Ahmedabad-380054

Subject: Grant of Authorization for laying, building, operating or expanding CGD network in the authorized area of Namakkal and Tiruchirapalli districts in the State of Tamil Nadu under the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008

Sir,

With reference to your application-cum-bid for grant of authorisation for laying, building, operating or expanding the City Gas Distribution (CGD) network in GA-11.48 Namakkal and Tiruchirapalli districts in the State of Tamil Nadu, it has been decided to grant you the authorisation subject to the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 and the following terms and conditions, namely:-

1. The Authorised Area for laying, building, operating or expanding the proposed CGD Network shall cover the following Charge Areas, as depicted in indicative and not to scale drawing or map,

S. no.	District Name	Charge Area Name
1	Namakkal	Kolli Hills, Rasipuram & Sendamangalam
2		Kumarapalayam & Tiruchengode
3		Mohanur, Namakkal & Paramathi Velur
4	Tiruchirapalli	Manapparai, Marungapuri, Srirangam, Thiruverumbur,
5		Tiruchirappalli West & Tiruchirappalli East
6		Lalgudi & Manachanallur
		Musiri, Thottiyam & Thuraiyur

2. The activities of laying, building, operating or expansion of the CGD Network shall commence immediately after the issuance of this authorisation.



Vandana Sharma

3. The activities permitted above shall have to be completed as per the work programme mentioned below, namely: -

Serial Number	Description of work	Numbers
1	Number of CNG Stations (Online and Daughter Booster stations) to be installed within 8 contract years from the date of authorisation	290
2	Number of domestic Piped Natural Gas connections to be achieved within 8 contract years from the date of authorisation	1774000
3	Inch-km of steel pipeline to be laid within 8 contract years from the date of authorisation	1450

The entity shall be required to achieve the year-wise work programme within 8 contract years as per details given below:

PNG Connections (cumulative)		CNG Stations (cumulative)		Inch-km of steel pipeline (cumulative)	
By the end of contract year	% of work program	By the end of contract year	% of work program	By the end of contract year	% of work program
1 <sup>st</sup>	Nil	1 <sup>st</sup>	Nil	1 <sup>st</sup>	5
2 <sup>nd</sup>	10	2 <sup>nd</sup>	15	2 <sup>nd</sup>	20
3 <sup>rd</sup>	20	3 <sup>rd</sup>	30	3 <sup>rd</sup>	40
4 <sup>th</sup>	30	4 <sup>th</sup>	45	4 <sup>th</sup>	60
5 <sup>th</sup>	40	5 <sup>th</sup>	60	5 <sup>th</sup>	70
6 <sup>th</sup>	60	6 <sup>th</sup>	75	6 <sup>th</sup>	80
7 <sup>th</sup>	80	7 <sup>th</sup>	90	7 <sup>th</sup>	90
8 <sup>th</sup>	100	8 <sup>th</sup>	100	8 <sup>th</sup>	100

Note - In case derived numbers are in fraction, the same shall be rounded off to the nearest whole number and 0.5 shall be rounded off to next higher whole number.

4. Any failure on the part of the entity in complying with the milestones prescribed in the work programme shall lead to consequences as specified under regulation 16.

5. The entity shall design and install an optimal size of the infrastructure in terms of pipelines of various types including steel belting of the authorised area, online compressors of adequate capacity for compressing of natural gas into CNG, allied equipment and facilities in the CGD network depending upon the potential demand for natural gas. The infrastructure in the CGD network should be adequate to maintain uninterrupted flow of natural gas in the pipelines and be also able to maintain supplies at adequate pressure to online CNG stations.



Vandana Sharma.

6. The entity shall maintain an uninterrupted supply of natural gas to all categories of customers in the CGD network. In the event of any disruption in the supply of natural gas in the CGD Network, first priority shall be accorded to restoration of supplies to domestic PNG customers. In case of disruption of supply to domestic PNG customers for more than twelve hours, the entity shall compensate the domestic customer on the following manner, namely: -

- (a) the normative volume of natural gas consumption for the first domestic PNG connection for cooking requirements based on last three months weighted average consumption per day to be applied for each day's disruption and multiplied by ten;
- (b) normative value of natural gas consumption shall be based on last three months' weighted average billing price of natural gas for supplies to the first domestic PNG connection for cooking requirements; and
- (c) the value of compensation shall be equal to normative volume of natural gas consumption as per clause (a) above multiplied by normative value as per clause (b) and shall be credited to the domestic PNG Customer in the next billing cycle or in the next pre-paid smart card in case of smart card metering.

In case the disruption of supplies is attributed to any fault of the domestic PNG customer, no compensation shall be payable by the entity.

7. The entity is allowed an exclusivity period under the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, in respect of the following, namely:

- (a) 300 months from the date of issue of this communication for laying, building and expansion of the CGD network; and
- (b) 96 months from the date of issue of this communication in terms of an exemption from the purview of common carrier or contract carrier for the CGD network.

Provided that the entity meets the obligations in line with the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008:

Provided further that the period of exclusivity allowed under sub-clause (a) or sub-clause (b) may be terminated before the expiry of the period mentioned above in line with the provisions under Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

Kana Kumbhar



Vandana Sharma

8. The authorised entity shall be required to take prior approval from the Board for creation of any lien, charge or hypothecation of the CGD network to secure finances for the project and furnish details of utilisation of funds. And, in case of raising funds from any financial institution or bank, the entity will be required to only inform the Board of the sanction of the funds within a period of seven days.

9. The entity shall submit a detailed and clear financial closure report to the Board within a period of two hundred and seventy days from the date of authorisation issued by the Board under regulation 10.

10. The entity shall publish on its website the transportation rate for CGD and transportation rate for CNG in the authorised area as per the following table namely: -

Serial Number	Description	Rate
1	Transportation rate for CGD - in rupees per million British Thermal Unit (Rs./MMBTU) for the first contract year	30
2	Transportation rate for CNG - in rupees per kilogram (Rs. /kg) for the first contract year	2

Note - Annual escalation shall be considered from the second contract year and onwards based on the "Wholesale Price Index (WPI) Data (2011-12 = 100)" for "All Group / Commodity", as normally available on the website of the Office of the Economic Adviser, Government of India, Ministry of Commerce and Industry, Department of Industrial Policy and Promotion (DIPP) on the link "<http://eaindstry.nic.in/home.asp>."

11. The entity shall publish the applicable retail selling price of PNG for all categories of customers and also for the purpose of invoicing in Rs. / MMBTU.

12. The entity shall publish and display the retail selling price of natural gas for the purpose of invoicing to CNG customers in Rs. / Kg at all natural gas dispensing stations.

13. The furnishing of performance bond of Rs. 330 Million is a guarantee for timely commissioning of the project as per the prescribed work programme in the bid and for meeting the service obligations during the operating phase of the project.

14. The entity shall comply with the applicable provisions under the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008, the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, relevant regulations for technical standards and specifications, including safety standards, any other regulations as may be applicable and the provisions of the Act.

15. In case the authorisation of the entity is terminated, the Board may assign the rights and obligations of the entity to any agency or another entity on such terms and conditions.



*Vandana Sharma*

as it may deem fit. Further, the entity may be required, as per the directions of the Board, to continue the operations of the CGD network at the same level till another agency or entity appointed by the Board takes over the full control of the CGD network.

16. The entity shall comply with any other term or condition which may be notified by the Board in public interest from time to time.

You are requested to confirm your acceptance by filling-in the acceptance of the grant of authorisation provided below and return the same in original.

Yours faithfully

Dated: 15-03-2022

*Vandana Sharma*

Name and Designation of Officer  
On behalf of the PNGRB

Official Seal

Acceptance of the Grant of Authorisation

I / We hereby accept the grant of authorisation issued by the PNGRB vide letter ref. PNGRB/Auth/CGD(61)/2021/11.48 dated \_\_\_\_\_ and agree to comply with all the terms and conditions subject to which I/ We have been granted the authorisation for laying, building, operating or expanding city or local natural gas distribution network in the authorised area of GA-11.48 (Namakkal and Tiruchirapalli districts) in the State of Tamil Nadu.

Date: 25<sup>th</sup> March 2022

Place: Ahmedabad

*Karan Kanani*

Signature of the Entity or Authorised Signatory  
Name and Official Seal



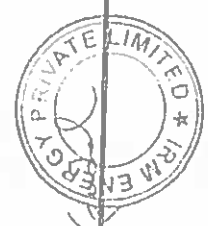
Bid No.: PNGRB/Auth/CGD(61)/2021/11.48

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड  
Petroleum and Natural Gas Regulatory Board

GEOGRAPHICAL AREA : 11.48  
NAMAKKAL AND TIRUCHIRAPALLI  
DISTRICTS  
No. of Charge Areas : 6  
MAP (1 of 2)

DISTRICT: NAMAKKAL	
Charge Area No.	Charge Area
1	Kolli Hills, Rasipuram & Sendamangalam
2	Kumarapalayam & Tiruchengode
3	Mohanur, Namakkal & Paramathi Velur

Remarks:  
1. Map is indicative, non GIS and not to scale.  
2. Source :  
[https://statgisportal.nic.in/statgisportal/Tamilnadu\\_BharatMaps/map.aspx](https://statgisportal.nic.in/statgisportal/Tamilnadu_BharatMaps/map.aspx)



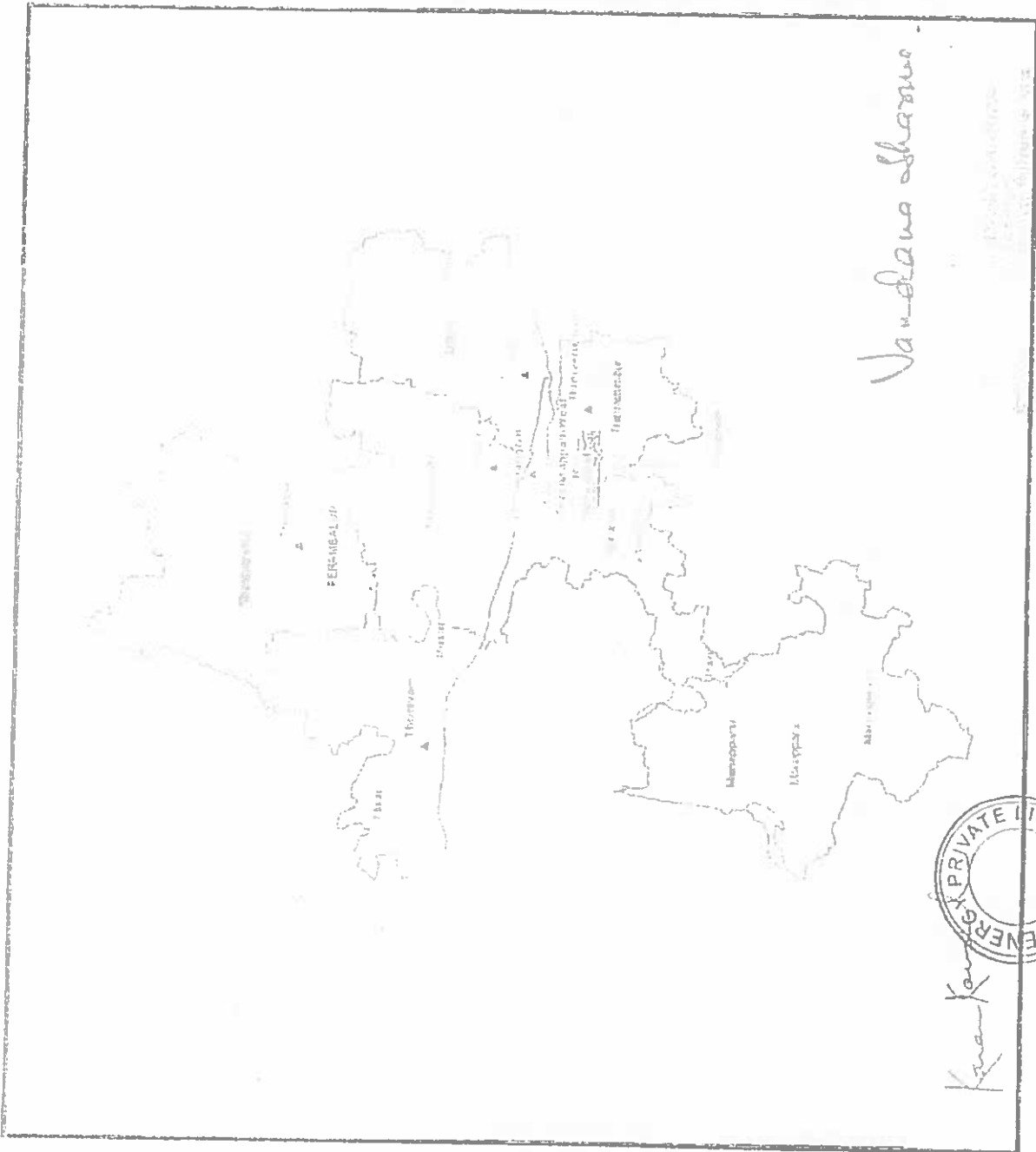
Bid No.: PNGRB/Auth/CGD(61)/2021/11.48

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड  
Petroleum and Natural Gas Regulatory Board

GEOGRAPHICAL AREA : 11.48  
NAMAKKAL AND TIRUCHIRAPALLI  
DISTRICTS  
No. of Charge Areas : 6  
MAP (2 of 2)

DISTRICT: TIRUCHIRAPALLI	
Charge Area No.	Charge Area
4	Manapparai, Marungapuri, Sfirangam, Thiruverumbur, Tiruchirappalli West & Tiruchirappalli East
5	Lalgudi & Manachanallur
6	Musiri, Thottiyam & Thuraiyur

Remarks :  
1. Map is indicative, non GIS and not to scale.  
2. Source : [https://stategisportal.nic.in/stategisportal/Tamilnadu\\_BharatMaps/map.aspx](https://stategisportal.nic.in/stategisportal/Tamilnadu_BharatMaps/map.aspx)





### ABSTRACT

Industries - City Gas Distribution Projects (CGD) - General guidelines for grant of permission - Orders - Issued.

### Industries (MIA.1) Department

G.O.(Ms)No.127

Dated 27.05.2020

சார்வரி வருடம், வைகாசி 14  
திருவள்ளூர் ஆண்டு 2051,

### Read:

1. From the Head - Technical Services, AG&P CGD India Pvt Ltd, Letter No.AGPCGD/TS/2019 - 21 / 016, Dated 03.10.2019.
2. From the Project Co-ordinator, Torrent Gas Private Limited, Letter No. TGPL/NGT/CGD/2019-20/047, Dated 14.10.2019
3. From the Director of Rural Development and Panchayat Raj Department, Letter Rc.No.67316/2019/PRI-3.1, Dated 29.02.2020.
4. From the Commissioner of Municipal Administration, Letter R.C.No.529/2020/E.3, Dated 10.03.2020
5. From the Chief Engineer(C&M) Highways Department, Letter No.2020/Salai/2020, dated: 11.03.2020

\*\*\*\*\*

### ORDER:-

The Ministry of Petroleum and Natural Gas Department, Government of India has authorised City Gas Distribution Projects in the following 9 Geographical Areas in Tamil Nadu

S.No	Geographical Area(GA)	Authorized Entity
1.	Nagapattinam District	Torrent Gas Private Limited
2.	Kanchipuram District	Consortium of AG & P LNG Marketing PTE Limited & Atlantic Gulf & Pacific

3.	Chennai & Tiruvallur Districts	Torrent Gas Private Limited
4.	Coimbatore District	Indian Oil Corporation Limited
5.	Cuddalore Nagapattinam & Tiruvarur Districts	Adani Gas Limited
6.	Ramanathapuram District	Consortium of AG & P LNG Marketing PTE Limited & Atlantic Gulf & Pacific
7.	Salem District	Indian Oil Corporation Limited
8.	Tiruppur District	Adani Gas Limited
9.	Vellore District	Consortium of AG & P LNG Marketing PTE Ltd. & Atlantic Gulf & Pacific

2. In the letters first and second read above, the AG & P CGD India Pvt. Ltd and Torrent Gas Private Ltd had requested facilitation for implementation of City Gas Distribution Network Projects in the State of Tamil Nadu.

3. Subsequently, it was decided in the meeting convened under the chairmanship of Chief Secretary to Government held on 5.11.2019 and 13.2.2020 to frame a Common guidelines / instructions for implementation of City Gas Distribution Projects in Tamil Nadu.

4. In the letters third to fifth read above, Director of Rural Development and Panchayat Raj Department, the Commissioner of Municipal Administration and the Chief Engineer (C&M), Highways Department have furnished restoration charges for the Rural Development and Panchayat Raj Department Roads, Municipal Roads and Highways Roads respectively.

5. After careful consideration and deliberations the Government hereby issue the following common guidelines / instructions for grant of permission to lay city Gas Distribution Projects and to fix the restoration charges as follows:

**I. Restoration charges for Roads under the Rural Development and Panchayat Raj Department**

Sl. No.	Types of Surface	Cost per KM (Rs.)
1.	Road shoulders	2,86,000
2.	BT Roads	14,63,000

3.	WBM Roads	11,73,000
4.	CC Roads	21,75,000

## II. Restoration charges for Municipal Roads

Sl.No.	Types of Surface	Cost per KM (Rs.)
1.	BT Roads	20,00,000
2.	CC Roads	21,75,000
3.	Paver Block Roads	17,00,000
4.	Earthen Roads	3,10,000
5.	WBM Roads	4,40,000

## III. Restoration charges for Highways Roads

Sl.No.	Types of Surface	Cost per KM (Rs.)
1.	BT Roads	20.11 lakhs
2.	Berms	6.07 lakhs
3.	Paver block roads	17.50 lakhs

## IV. General

- All departments of State Government and local bodies shall extend full co-operation for laying City Gas Pipelines.
- For road cuts, upfront restoration charges will be collected from City Gas Distribution Companies by the department / local body owning the road at rates fixed above.
- The road cut restoration charges fixed above shall be valid for a period of three financial years from 2020-2021 onwards.
- The cost of shifting of utilities, if involved, will be met by the City Gas Distribution Company.
- Once an application for road cut is submitted to Divisional Engineer (Highways) or the concerned local body with payment at the rate per kilometer fixed above, if any further payment is required from the City Gas Distribution Company on account of shifting of utilities, the amount must be informed to the City Gas Distribution Company within 10 days of application.
- Once all payments are made by the City Gas Distribution Company, requisite permission for road cut must be issued within 10 days of receipt of payment.

- g) Track rent charges fixed and revised from time to time by Government in Revenue and Disaster Management Department shall be applicable.
- h) Land required for ancillary infrastructure will be allotted on lease, for such number of years as requested by companies as per existing rules.
- i) A District Level Monitoring Committee (DLMC) headed by the District Collector will monitor the progress of City Gas Distribution works. The District Level Monitoring Committee shall consist of the Superintendent of Police, Divisional Engineer (Highways), Assistant Director (Panchayat) and all the Municipal Commissioners of the relevant towns/cities. The District Level Monitoring Committee must meet once in two months and the representative of the City Gas Distribution Company / Companies operating in the District must be invited for this meeting.
- j) Highways and Minor Ports Department, Rural Development and Panchayat Raj Department and Municipal Administration and Water Supply Departments may issue additional operational guidelines if necessary, in addition to the guidelines prescribed above on the aspects like future road expansion, co-existence with other utilities, period of pipeline laying and public safety. However no City Gas Distribution Pipeline laying permission shall be withheld solely on account of absence of issue of such guidelines.
- k) The City Gas Distribution Companies while laying and maintaining gas pipelines, shall comply with all applicable national norms.
- l) The above fixed rates and guidelines will be applicable to all further the City Gas Distribution projects also.

**(BY ORDER OF THE GOVERNOR)**

**N.MURUGANANDAM,  
PRINCIPAL SECRETARY TO GOVERNMENT.**

To

The Additional Chief Secretary to Government,  
Rural Development and Panchayat Raj Department,  
Secretariat, Chennai - 600 009.

-5-

The Additional Chief Secretary to Government,  
Municipal Administration and Water Supply Department,  
Secretariat, Chennai – 600 009.

The Additional Chief Secretary to Government,  
Revenue and Disaster Management Department,  
Secretariat, Chennai – 600 009.

The Principal Secretary to Government,  
Highways and Minor Ports Department,  
Secretariat, Chennai – 600 009.

The Director of Rural Development and  
Panchayat Raj Department,  
Panagal Building, Saidapet, Chennai -600 015.

The Commissioner of Municipal Administration,  
75, Santhom Road, R.A.Puram, Chennai – 600 028.

The Chief Engineer (C&M), Highways Department,  
Guindy, Chennai – 600 025.

Copy to:

The O/o Hon'ble Chief Minister,  
Secretariat, Chennai – 600 009.

AG&P CGD India Pvt Ltd,  
No.23, Rajiv Gandhi Salai (OMR),  
1st Floor, Building No Core 2,  
Pacifica Tech Park, Navalur, Chennai – 600 130.

Torrent Gas Private Limited,  
"Global Towers" 1st Floor,  
No.42, Jawaharlal Nehru Street,  
Karaikal - 609 605.

Industries (OP.II) Department, Secretariat, Chennai – 600 009.

Stock File / Spare Copy.

// Forwarded / By Order //

*A.M. Pandey*  
27/5/2020  
**SECTION OFFICER**

**IRM ENERGY LIMITED**  
Formerly known as IRM Energy Private Limited



CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF IRM ENERGY LIMITED AT THEIR MEETING HELD ON FRIDAY, FEBRUARY 03, 2023 AT 01:30 PM AT THE REGISTERED OFFICE OF THE COMPANY AT 4<sup>TH</sup> FLOOR, BLOCK 8, MAGNET CORPORATE PARK, NEAR SOLA BRIDGE, S.G. HIGHWAY AHMEDABAD 380054

TO AUTHORISE MR. ARIVAZHAGAN R. GENERAL MANAGER - (PROJECTS) AND MR. BHARATH K. ASSISTANT MANAGER (CNG - PROJECTS), AS THE AUTHORISED REPRESENTATIVES OF THE COMPANY FOR NAMAKKAL AND TIRUCHIRAPPALLI GA

"RESOLVED THAT the consent of the Board be and is hereby accorded to severally authorize Mr. Arivazhagan R. General Manager - (Projects), and Mr. Bharath K. Assistant Manager (CNG - Projects) as the Authorised Representatives of the Company to act/represent/register on behalf of IRM Energy Limited ("the Company") to/with various State and Central Government Department and/or agencies/ Courts of India/Tribunals/Quasi-judicial and non-judicial bodies for obtaining various statutory clearance and signing of Purchase deed, Sale deed, Lease deed, Leave and License Agreement, Conveyance Deed and any other Agreement as required for business operations, undertakings, declaration, affidavits, applications, petitions with any Government or local authorities or agencies or individuals for and on behalf of the Company for the Geographical Area (GA) of Namakkal and Tiruchirappalli District, Tamil Nadu.

RESOLVED FURTHER THAT the above Authorised Representatives be and are hereby severally authorised to represent the Company and to take necessary actions on all related issues including but not limited to presenting documents/records etc. on behalf of the Company liaising/ representing for registration of the Company and also to make any alterations, additions, corrections, documents, papers, forms, etc. filed with Government, statutory bodies/ regulatory authorities as and when required for Geographical Area (GA) of Namakkal and Tiruchirappalli District, Tamil Nadu.

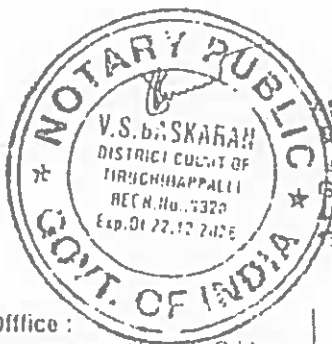
RESOLVED FURTHER THAT a copy of this Resolution duly certified by any of the Directors or CFO or Company Secretary of the Company be furnished to the concerned or interested parties/ authorities."

//CERTIFIED TO BE TRUE//

For, IRM Energy Limited  
 (Formerly known as IRM Energy Private Limited)

Maheswar Sahu  
 Chairman &  
 Non-Executive Director  
 DIN: 00034051

Date: 20-12-2023



Witnessed  
 V.S. BASKARAN, B.Com., B.L.  
 ADVOCATE & NOTARY PUBLIC  
 GOVT. OF INDIA, REGN. NO. 10070  
 1ST FLOOR, PUTHUR, TIRUCHIRAPPALLI  
 CELL : 94437 88404

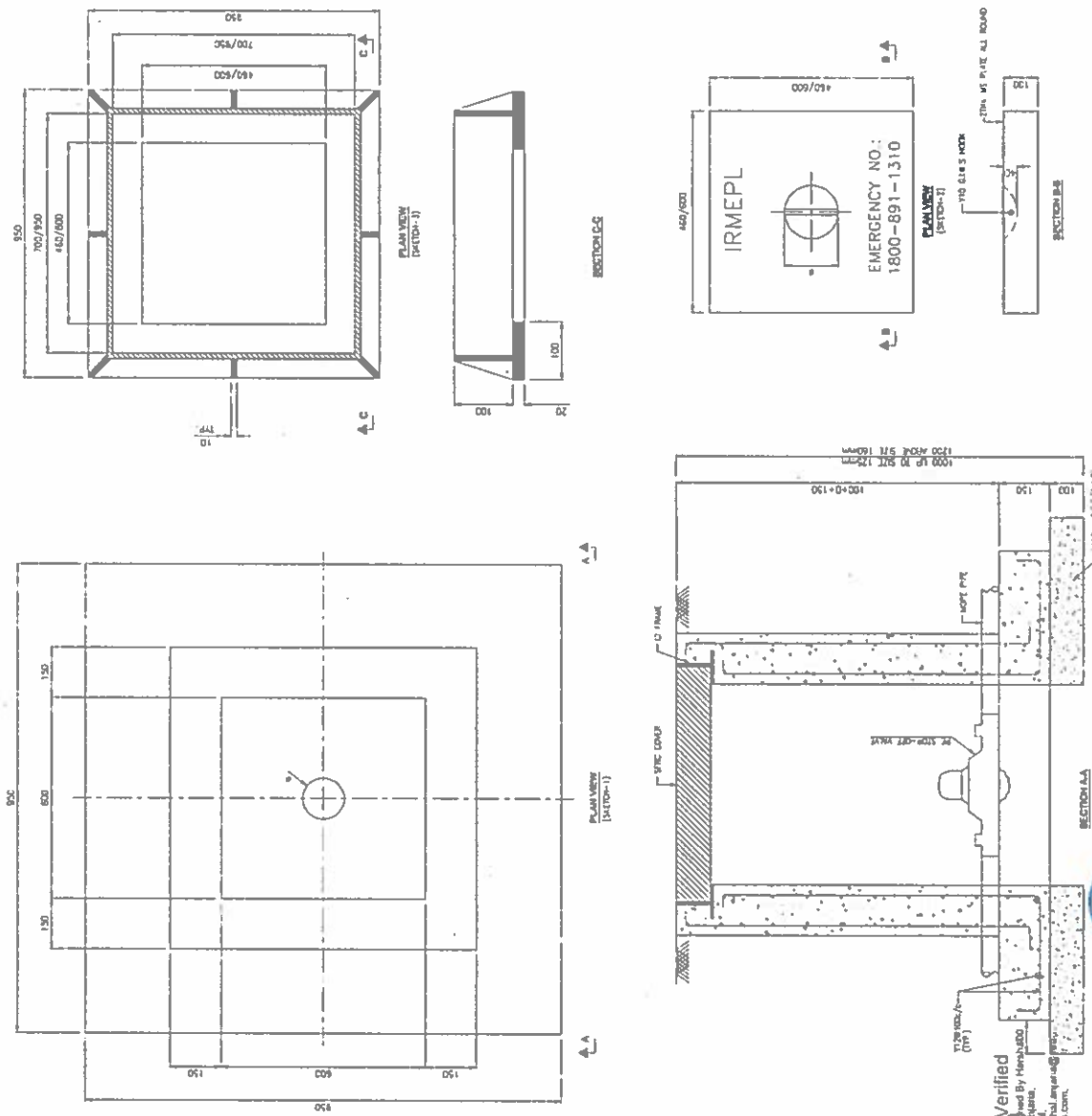


Registered and Corporate Office :  
 4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge,  
 S G Highway, Thaltej, Ahmedabad - 380054, Gujarat, India

☎ 079-4903 1500  
 ✉ info@irmenergy.com  
 www.irmenergy.com

CIN : U40100GJ2015PLC085213

## TYPICAL DETAILS OF RCC VALVE CHAMBER WITH FRAME AND COVER



Signature Not Verified  
 Drawn & Signed By Harshad  
 Vithakar  
 Anjana  
 a.spectra.com

## NOTE:-

1. ALL DIMENSIONS ARE IN mm.
2. DO NOT SCALE THE DRAWING. FOLLOW WRITTEN DIMENSIONS ONLY.
3. THE CONCRETE SHALL HAVE A CHARACTERISTICS STRENGTH OF 20N/MM<sup>2</sup>.
4. THE COVER FOR R/F SHALL BE 40mm ON OUTER FACES AND 25mm INNER FACE.
5. THE SYMC COVER SHALL HAVE REINFORCED CONCRETE OF GRADE M-25 CONFIRMED TO IS 456-1978.
6. OTHER BACKFILL TO BE REMOVED AND GOOD EARTH TO BE FILLED IN AREA OF 1 METER IN WITH PROPER COMPACTION AND CONSOLIDATION BY WATER CACKET OF RUBBER OR ANY OTHER EQUIVALENT MATERIAL OF MATCHING DIMENSIONS SHALL BE SUPPLIED & USED BY THE CONTRACTOR TO PREVENT INGRESS OF WATER INTO THE VALVE PIT.
7. 75MM PQ(1/2) OF DIMENSION 300x300 FOR VALVE OF SIZES FROM 63 TO 125 SHOULD BE PROVIDED FOR SUPPORTING THE PE STOP OFF VALVE AT THE BASE. RUBBER SHEET OF MIN. 6THK. SHOULD BE PROVIDED BETWEEN BASE OF THE VALVE AND PCC TOP SURFACE.
8. 75MM PQ(1/2) OF DIMENSION 300x300 FOR VALVE OF SIZES FROM 63 TO 125 SHOULD BE PROVIDED FOR SUPPORTING THE PE STOP OFF VALVE AT THE BASE. RUBBER SHEET OF MIN. 6THK. SHOULD BE PROVIDED BETWEEN BASE OF THE VALVE AND PCC TOP SURFACE.
9. ALL DIMENSIONS ARE IN mm.
10. DO NOT SCALE THE DRAWING. FOLLOW WRITTEN DIMENSIONS ONLY.
11. THE SYMC COVER SHALL HAVE REINFORCED CONCRETE OF GRADE M-25 CONFIRMED TO IS 456-1978.
12. HEAVY LOAD TEST : SUITABLE FOR CLASS A LOADING.
13. PERFORMANCE REQUIREMENTS.
14. SAMPLING AND CRITERIA FOR CONFORMITY.
15. AS PER IS 12392(PART-1)-1998.
16. LOAD TEST AS PER IS 12392(PART-1)-1998.
17. INSPECTION AND MANUFACTURES GUARANTEED AS PER IS 12392(PART-1)-1998.
18. ALL DIMENSIONS ARE IN mm.
19. DO NOT SCALE THE DRAWING. FOLLOW WRITTEN DIMENSIONS ONLY.
20. GRADE (C150) OF (5.2.0)-1878.
21. HEAVY LOAD TEST : SUITABLE FOR CLASS A LOADING.



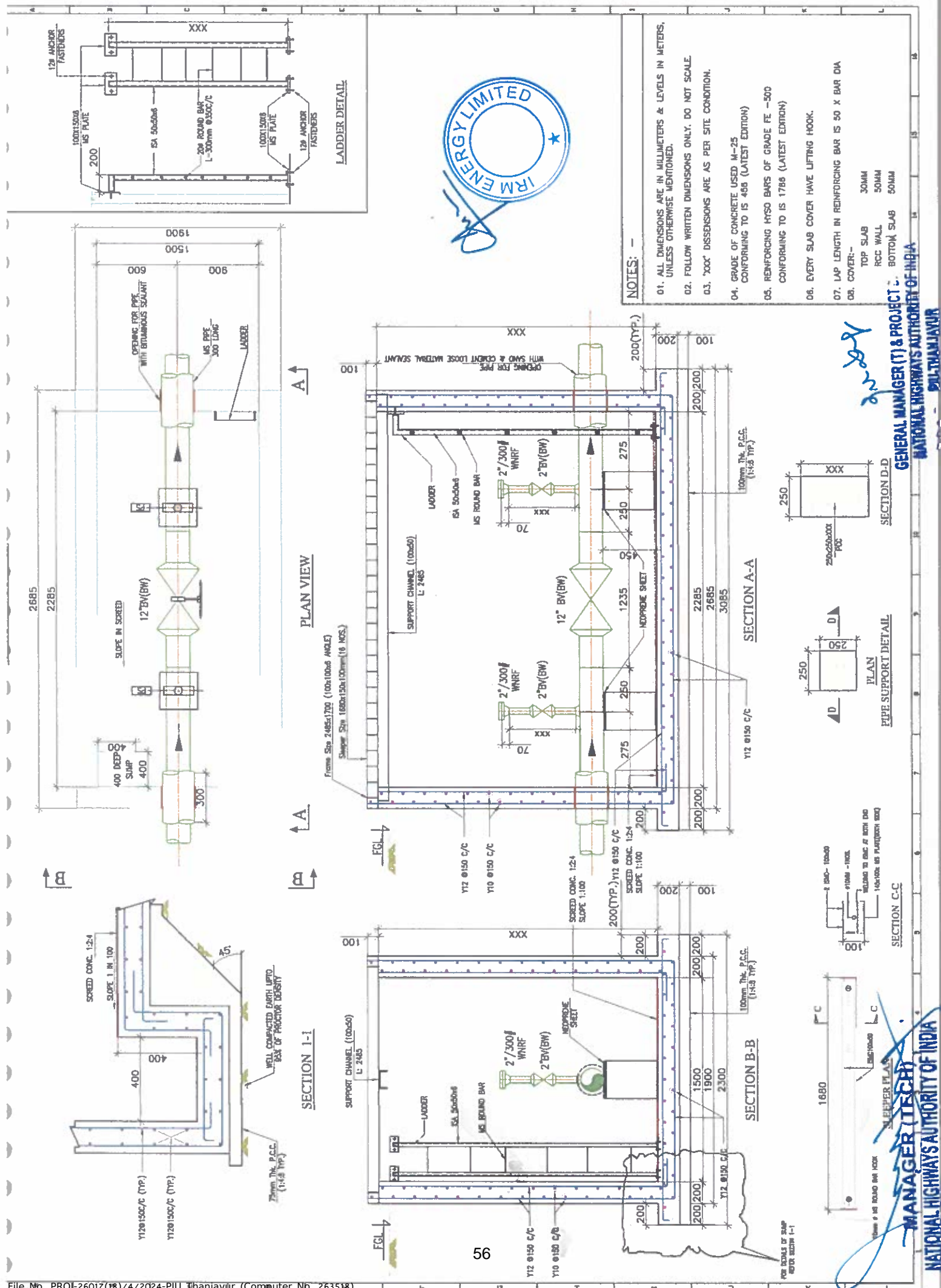
**IRM Energy Pvt. Ltd.**

TITLE : TYPICAL DETAILS OF RCC VALVE CHAMBER WITH FRAME AND COVER

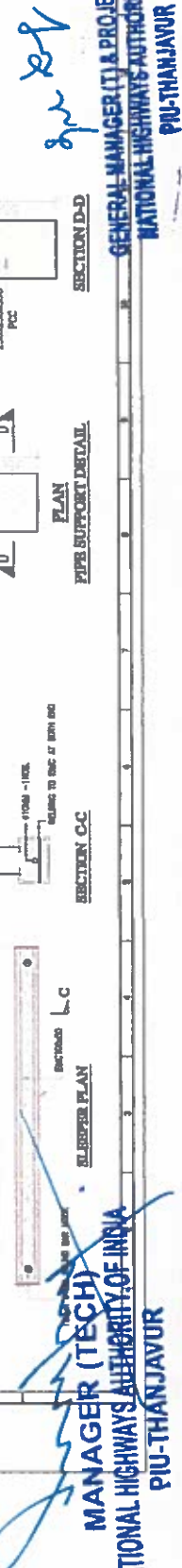
STATUS	ISSUED FOR PO
SCALE	SHEET
NTS	1 OF 1
REV	DRAWING NO
00	IRMEPL/PE/DWG-00

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

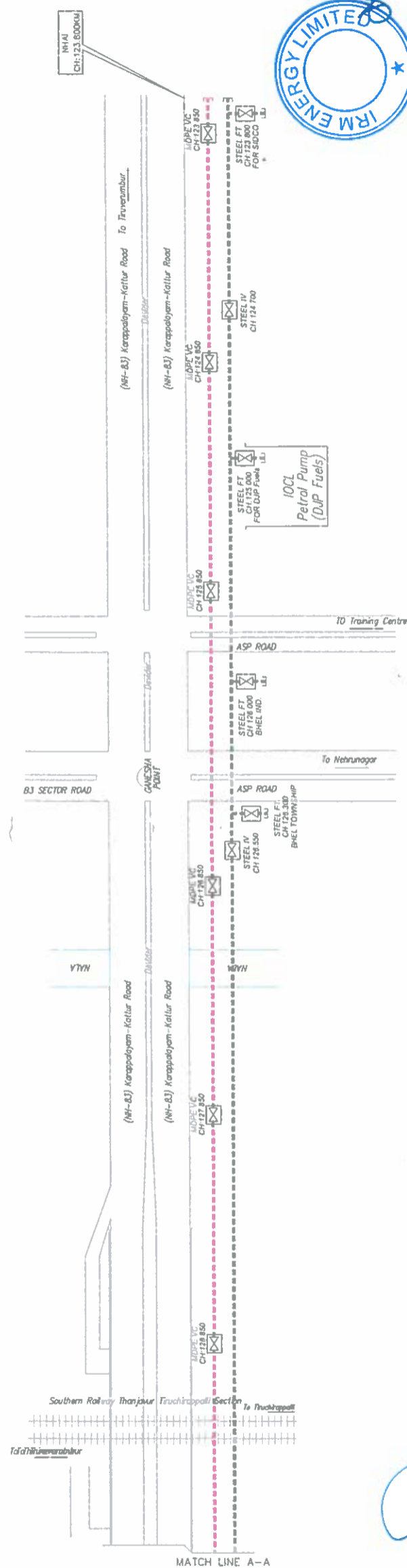
MANAGER (TECHNICAL)  
 NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 PIU-THANJAVUR











PROPOSED STEEL P/L	PROPOSED MDPE P/L	MDPE VALVE CHAMBER	STEEL VALVE CHAMBER
			

**MANAGER (TECH)**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR

M/s. IRM ENERGY LTD.

**GENERAL MANAGER (I) & PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA,  
P.O. THANJAVUR**

PROPOSED DRAWING

VENGUR-BHEL- TIRUCHIRAPPALLI  
PIPELINE PROJECT (VBTPL)

TITLE: VALVE CHAMBER SCHEMATIC DIAGRAM

[illegible]



# 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 : tanjavor@nhai.org, tanjavor\_nhai@yahoo.co.in

वेब / Web : www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/119/2022/ 2070

Dated: 22.08.2024

To

The General Manager, PNG Projects  
M/s.IRM Energy Limited,  
4<sup>th</sup> floor, 8<sup>th</sup> block Magnet Corporate Park,  
Thaltej, Ahmedabad - 380054.

Sub: National Highways Authority of India-PIU-Thanjavur- Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu - in the project stretch of Thanjavur - Trichy section of NH-67 - Proposal Returned - reg.

- Ref:
1. Assistant Manager - PNG Projects M/s.IRM Energy Ltd Lr.No. IRMEL/Trichy/ CGD/PNG/NHAI/2022-23/02 Dated 02.01.2023
  2. RO Madurai vide Lr.No.NHAI/15018/4.4/01/2023/RO Madurai/E:203036/1939 Dated 14.10.2023
  3. General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/ CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)
  4. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/379 Dated 12.02.2024
  5. IE M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2022-24/1934 Dated 26.02.2024
  6. This office Lr.No.NHAI/PIU/Thanj/11021/119/2022/1019 Dated 23.04.2024
  7. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/ PNG/NHAI/2024-25/2016 Dated 03.05.2024
  8. MoRTH NOC Portal Ref.Lr.No.20240321/1/12/18914/7042 Dated 21.03.2024
  9. This office Lr.No. NHAI/PIU/Thanj/11021/119/2022/1831 Dated 29.07.2024
  10. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/ PNG/NHAI/2024-25/044 Dated 07.08.2024

\*\*\*\*\*

Sir,

Kind attention is invited to the references cited. We had a discussion with your representatives regarding the submitted proposal vide ref 3<sup>rd</sup> & 7<sup>th</sup> cited. During the discussion, it was informed and accepted that buried wall chambers have to be provided.

Hence the proposal may be re-submitted after necessary modifications along with modified drawings.


Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No. 1, Lake Area, Melur Main Road, Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999

## National Highways Authority of India

As such the proposal is returned herewith for necessary compliance.

Encl: Copy of proposals - 4Nos

Yours faithfully,

  
(Binesh H. M),  
Manager (Tech)  
For Project Director  
NHAI-PIU-Thanjavur  
22/08/24

Copy to: Team Leader M/s.MSV International Inc Trichy for information



Ref: IRMEL/TRICHY/CGD/PNG/NHAI/2024-25/044

Date:07.08.2024

To  
The Project Director,  
Project Implementation,  
National Highways Authority of India (NHAI),  
No.54, Natarajapuram North Colony,  
Medical College Road,  
Thanjavur - 613004  
Tamil Nadu.

NHAI - PIU - THANJAVUR	
DT	17 AUG 2024
Dy.No:	3607
M(T)	
LAO	
PA	
SE/RS	
SE/SE	
SE/AN	
SE/MS	

11021/119  
S.M.T.  
07/08/24

Sub: National Highways Authority of India-PIU-Thanjavur Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Thanjavur Trichy section of NH-67 (New No.83) Additional Clarification & Special Undertaking Sought- reg.

- Ref:
1. Assistant Manager PNG Projects M/s. IRM Energy Ltd Lr.No. IRMEL/Trichy/ CGD/PNG/NHAI/2022-23/02 Dated 02.01.2023
  2. RO Madurai vide Lr. No.NHAI/15018/4.4/01/2023/RO Madurai/E:203036/193 Dated 14.10.2023
  3. General Manager PNG Projects M/s.IRM Energy Ltd Lr.No. IRMEL/Trichy/CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)
  4. MORTH NOC Portal Ref. Lr. No.20240321/1/12/18914/7042 Dated 21.03.2024
  5. General Manager PNG Projects M/s. IRM Energy Ltd Lr.No. IRMEL/Trichy/CGD/PNG/NHAI/2023-24/124 Dated 07.02.2024 (Received on 08.02.2024)
  6. MORTH Online Application ref. No. 20240321/1/12/18914/7041 Dt.21.03.2024
  7. This office Lr.No. NHAI/PIU/Thanj/11021/119/2022/1019 Dated 23.04.2024
  8. Assistant Manager PNG Projects M/s. IRM Energy Ltd Lr. No. Ref: IRMEL/Trichy/CGD/PNG/NHAI/2024-25/016 Dated 03.05.2024

Dear Sir,

With reference to application dt 07.06.2024, we request the access permission for installation of valve chamber at various location for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop CGD network in Trichy city of Trichy District. The site was inspected by the Team Leader/Concessionaire and made following observations as per letter cited 2<sup>nd</sup>.

In below table response/reply provide for the observation.





Sr No.	Location of laying gas pipe line	NHAI Comments	Response for the Observation
1	NH-83 (Trichy – Tanjore)	Hence it is learnt that the instant proposal is functionally linked with 2 other proposals submitted by you vide ref 3rd & 5th cited. Details are not properly defined to address the Realtime ground condition w.r.t restricted Row and inadequate utility corridor. The request for pipe line laying along, across and for installation of valve chambers could have been placed together for better appreciation of the said project proposal. Hence <u><b>you are directed to clarify the reason for splitting up the applications and furnishing vague and mismatching information.</b></u>	From NHAI, it was briefed that Road expansion project in the mentioned stretch Thuvakudi to Palpannai, from Km 122+000 to Km 136+490 in Trichy-Thanjavur Section of NH-67 (New No:83) is under consideration and obtaining pipeline and Valve chamber permission together may get delayed. Hence, it was decided to get pipeline laying permission and then valve chamber permission separately. As valve chambers are constructed after laying of the pipeline. Pipeline laying permission was obtained first.
2	NH-83 (Trichy – Tanjore)	Further the 25 locations where the installation of valve chambers have been proposed are falling in heavily built-up area with Row constraints. A proposal for an elevated corridor/continuous service road is under consideration in this stretch.	NHAI has raised similar query previously (Ref:NHAI/PIU/Thanj/11021/119/2022/1019 & 23-04-2024 ). IRMEL has carefully revisited the proposed valve chamber location and has updated the locations, where ROW is available. Joint visit has been conducted in this location by Team.
3	NH-83 (Trichy – Tanjore)	The, District Administration and State Govt have requested to consider the possibility of constructing a continuous service road parallel to the main carriageway from Thuvakudi to Palpannai from Km 122+000 to Km 136+490 in Trichy-Thanjavur Section of NH-67 (New No:83). Though, no final decision has been arrived, it is expected that SR construction project shall be initiated within six months positively.	Undertaking is submitted, mentioning the willingness to locate the pipeline and allied accessories at your own cost to any other convenient location.
4	NH-83 (Trichy – Tanjore)	In view of the above, an additional special undertaking shall be submitted stating the willingness and undertaking to relocate the pipeline and allied accessories at your own cost to any other convenient location suggested by the authority, when directed to do so.	Undertaking attached herewith as annexure for your reference.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.

**For any further details you may contact as below:**

Contact Person - Mr. Arivazhagan. R (General Manager – PNG Projects)  
 Email - arivu.r@irmenergy.com  
 Contact No. - +91 - 6359858555

Thanking you.





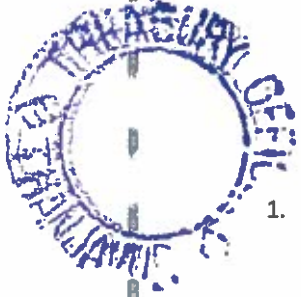
Yours Sincerely,  
For IRM Energy Limited



Arivazhagan R.  
General Manager – PNG Projects  
Encl: As above

Communication Address

Mohan Raj Ravi (Asst. Manager)  
IRM Energy Limited  
D72 Third Floor, Kanchana Enclave, 7<sup>th</sup> Cross, Thillai, Trichy – 620018  
Mob - +91 -6353677515  
Email - mohan.ravi@irmenergy.com



தமிழ்நாடு தமில்நாடு TAMILNADU

IRM ENERGY LIMITED  
TRICHY

#### UNDERTAKING


EL 966897  
R. Hasina Begam  
R. HASINA BEGAM  
STAMP VENDOR  
LICENCE No: 03 / 2008  
DISTRICT MUNCIPAL CAMPUS  
THANJAVUR-TAMILNADU.  
Mob: 9790224266

1. We M/s. IRM Energy Ltd., hereby to undertake that laying of 12"/8"/4" Steel & 125 mm MDPE Pipeline, along & across the road from 123/800 to 136/490 on Trichy-Tanjore Road, Tamilnadu of NH-83 will be laid at the edge of ROW allocated, as mentioned through the permission Letter No NHAI/PIU/Thanj/11021/119/2023/3011 Dated.17.10.2023
2. We M/s. IRM Energy Ltd., hereby to undertake that we will relocate the above-mentioned laid pipeline and allied accessories in Trichy-Thanjavur Section of NH-67 (New No:83), from Km 122+000 to Km 136+490, at our own cost, when directed to do so.

Ref:

1. IRMEL/TRICHY/CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024
2. IRMEL/TRICHY/CGD/PNG/NHAI/2023-24/124 Dated 07.02.2024
3. NHAI/PIU/Thanj/11021/119/2023/1831 Dated.29.07.2024

For IRM Energy Limited

  
C.R. Arivazhagan



**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/11021/119/2023 / 1831

Dated: 29.07.2024

To

**The General Manager, PNG Projects**

M/s.IRM Energy Limited,

4<sup>th</sup> floor, 8<sup>th</sup> block Magnet Corporate Park,

Thaltej, Ahmedabad - 380054.

**Sub:** National Highways Authority of India-PIU-Thanjavur- Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu in the project stretch of Thanjavur - Trichy section of NH-67 (New No.83)- Additional Clarification & Special Undertaking Sought- reg.

- Ref:**
1. Assistant Manager - PNG Projects M/s.IRM Energy Ltd Lr.No. IRMEL/Trichy/ CGD/PNG/NHAI/2022-23/02 Dated 02.01.2023
  2. RO Madurai vide Lr.No.NHAI/15018/4.4/01/2023/RO Madurai/E:203036/1939 Dated 14.10.2023
  3. General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/ CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)
  4. MoRTH NOC Portal Ref.Lr.No.20240321/1/12/18914/7042 Dated 21.03.2024
  5. General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/ CGD/PNG/NHAI/2023-24/124 Dated 07.02.2024 (Received on 08.02.2024)
  6. MORTH Online Application ref.No.20240321/1/12/18914/7041 Dt.21.03.2024
  7. This office Lr.No.NHAI/PIU/Thanj/11021/119/2022/1019 Dated 23.04.2024
  8. Assistant Manager PNG Projects M/s.IRM Energy Ltd Lr.No.Ref: IRMEL/Trichy/CGD/ PNG/NHAI/2024-25/016 Dated 03.05.2024

\*\*\*\*\*

Sir,

With reference to the subject matter and after examination of your submission vide ref 8<sup>th</sup> cited, following are observed and informed:

- Vide reference 1<sup>st</sup> cited you have initially requested to issue Permission for laying proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline along/across NH-83 from Thiruverumbur to NIT Tiruchirappalli & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas

✓

**Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999**

## National Highways Authority of India

Distribution Network in Tiruchirappalli City of District Tiruchirappalli, Tamil Nadu. Competent Authority vide reference 2nd cited has accorded approval for the said proposal.

- Vide 3<sup>rd</sup> cited, you have requested to issue permission for installation of valves (ie; the instant subject file).
- Vide 5<sup>th</sup> cited you have again requested to issue permission for pipe line crossing.
- Hence it is learnt that the instant proposal is functionally linked with 2 other proposals submitted by you vide ref 3<sup>rd</sup> & 5<sup>th</sup> cited. Details are not properly defined to address the realtime ground condition w.r.t restricted RoW and inadequate utility corridor. The request for pipe line laying along, across and for installation of valve chambers could have been placed together for better appreciation of the said project proposal. Hence you are directed to clarify the reason for splitting up the applications and furnishing vague and mismatching information.
- Further the 25 locations where the installation of valve chambers have been proposed are falling in heavily built up area with RoW constraints. A proposal for an elevated corridor/continuous service road is under consideration in this stretch.
- The, District Administration and State Govt have requested to consider the possibility of constructing a continuous service road parallel to the main carriageway from Thuvakudi to Palpanai from Km 122+000 to Km 136+490 in Trichy-Thanjavur Section of NH-67 (New No:83). Though, no final decision has been arrived, it is expected that SR construction project shall be initiated within six months positively.
- In view of the above, an additional special undertaking shall be submitted stating the willingness and undertaking to relocate the pipeline and allied accessories at your own cost to any other convenient location suggested by the authority, when directed to do so.

✓

## National Highways Authority of India

Hence you are hereby directed to furnish necessary clarification and compliance to the aforesaid observations at the earliest.

Yours faithfully,



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

Copy to: 1. Team Leader M/s.MSV International Inc Trichy for information  
2. M/s.IRM Energy Ltd, Trichy for information



Ref: IRMEL/TRICHY/CGD/PNG/NHAI/2024-25/016

Date: 03.05.2024

To  
The Project Director,  
Project Implementation Unit - Thanjavur  
National Highways Authority of India (NHAI),  
Thanjavur, Prabha Nagar Extension,  
Gandhipuram, Thanjavur,  
Tamil Nadu – 613 004.

NHAI - PIU - THANJAVUR	
Sl. No.	2122
M(T)	
SE/AN	
Accounts	

11021/119

**Sub:** National Highway Authority of India-PIU-Thanjavur- Request for permission for Install valve chamber at mentioned Locations for Laid 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas pipeline (in same trench) Along/Across NH-83 (Karappalayam-kattur) (Trichy–Thanjavur) from Thiruverumbur to Tiruchirappalli city connectivity to develop City Gas Distribution Network in Tiruchirappalli city of District Tiruchirappalli state Tamil Nadu - in the project stretch of Thanjavur – Trichy section of NH-67 – Remarks called for -reg.

- Ref:** 1) IRMEL Valve Chamber Letter No. IRMEL/TRICHY/CGD/PNG/NHAI/2023 - 24/115 Dtd. 23.11.2023  
2) NHAI Permission Letter No. NHAI/PIU/Thanj/11021/119/2023/3011 Dtd. 17.10.2023  
3) Valve Chamber Return Letter No. NHAI/PIU/Thanj/11021/119/2022/1019 Dtd. 23.04.2024

Respected Sir,

Reference to the proposal submitted vide letter IRMEL/TRICHY/CGD/PNG/NHAI/2023 - 24/115 Dtd. 23.11.2023, to install valve chamber at various Locations for proposed 12"/8"/4" Dia. steel & 125 mm Dia. MDPE Gas pipeline (in same trench) along /across NH-83 (karappalayam -kattur) (Trichy – Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi)& Thiruverumbur to Tiruchirappalli city connectivity develop City Gas Distribution Network in Tiruchirappalli city of District Tiruchirappalli , state Tamil Nadu.

We have received letter (Ref: NHAI/PIU/Thanj/11021/119/2022/1019 Dtd. 23.04.2024), in which it was informed that, there is space constraint for installation of valve chamber.

We have reexamined the proposed location, Space constraint for installation of valve chamber was found in only 1 location. Here we have planned reroute the pipeline to the edge of ROW and loop the pipeline to install valve chamber. As this is at the edge and away from the asphalt road, this will not disturb the existing area or the road.

These valve chambers are crucial in the safe and efficient operation of the pipeline network. For maintenance, inspection, and emergency shut-off of gas procedures when necessary.

As this is a time bound project contributing to National prosperity, most expeditious actions requested to grant us the permission for the valve chamber installation at requested locations.

For any further details you may contact as below:

Contact person - Mr. Mohan Raj Ravi (Asst. Manager- PNG Project)  
Email - [mohan.ravi@irmenergy.com](mailto:mohan.ravi@irmenergy.com)  
Contact No - +91 -6353677515

Thanking you

Yours sincerely,  
From IRM ENERGY Limited

Mohan Raj Ravi  
Asst. manager – PNG Projects



Encl: As above



**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 : tanjavoort@nhai.org, tanjavoort\_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/119/2022/ 1019

Dated: 23.04.2024

To

**The General Manager, PNG Projects**  
M/s.IRM Energy Limited,  
4<sup>th</sup> floor, 8<sup>th</sup> block Magnet Corporate Park,  
Thaltej, Ahmedabad - 380054.

**Sub:** National Highways Authority of India-PIU-Thanjavur- Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu - in the project stretch of Thanjavur - Trichy section of NH-67 -Remarks called for - reg.

**Ref:** General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/ CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)

\*\*\*\*\*

Sir,

This has reference to your letter ref cited in which a proposal has been submitted for laying proposals for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

In this regard, it is to inform there is no sufficient utility corridor in the existing ROW for laying the gas pipe line in the said locations. Hence you are requested to re-examine and submit an alternative proposal. The proposal (4Nos) are hereby returned for necessary compliance.

Encl: Copy of proposals - 4Nos

Yours faithfully,

*(Handwritten signature)*  
23/4/24

(P.Seiva Kumar),  
General Manager &  
Project Director  
NHAI-PIU-Thanjavur

Copy to: Team Leader M/s.MSV International Inc 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	
29 FEB 2024	
By NO:	992
By	
LAO	
PA	
SEIRS	
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/2023-24/1934

To

The Project Director,

Project Implementation Unit,

No. 54, Natarajapuram North Colony,

First Floor, Medical College Road,

Thanjavur-613004

Date: 26.02.2024

**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 – **Request for Permission for laying proposed 12”/8”/4” Dia Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu – in the project stretch of Thanjavur – Trichy section of NH-67- Independent Engineer’s comment – Reg.**

**Ref:** 1) General Manager PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)  
2) NHAI/PIU/Thanj/11021/31/2009/379 Dated: 12.02.2024.

Dear Sir,

This is with reference to the above subject, The General Manager PNG Projects M/s.IRM Energy Ltd vide reference (1) cited has submitted proposals for laying proposed 12”/8”/4” Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

In this regard, The Project Director PIU Thanj vide ref (2), 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 IRM representatives on 20.02.2024 and noted that installation of Value Chamber at 25 various location for proposed 12”/8”/4” Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.



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Tamil Nadu.



Email: [msv.dindigulthanjavur@gmail.com](mailto: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.

## Annexure C

### **Conditions to be enclosed / incorporated in the approval letter for Permission for Installation of Valve Chamber for Approved Gas Pipeline**

1. It shall be confirmed that there are no structures within 15 mts from the crossing of pipeline.
2. All others small canals and culverts will be crossed by HDD method.
3. The pipeline will be laid at minimum depth of 1.65 meter below the road top level or existing ground level whichever is lower by open cut method for along portion
4. While crossing the road, it will be laid at a minimum depth of 2.5 m from the TOP of the road surface or Ground level which is at the lowest level.
5. The various undertaking given by the applicant are to be strictly adhered to.
6. The applicant has to submit requisite Bank Guarantee for the above said work before signing of the license deed.
7. All the conditions mentioned in the proposal specially mentioned in license deed, Annexure and other conditions mentioned by the RO in the proposal as strictly follow by the agency with conditions to be incorporated in the approval letter for permission for crossing are to be strictly complied with.
8. The work shall be carried out as per MORT&H guideline with all safety measures.
9. The agency is to follow the above all guidelines and conditions strictly and to remain in constant touch with the concerned authorities/bodies/parties and to ensure the compliance of the same is being done.
10. The approval is subject to condition that, the proponent agency will not claim any kind of revenue loss/insurances/cost of protection or any other such losses in case of closure of pipe due to any damage/shifting at the time of any kind of development maintenance of road work.
11. The smooth and safe flow of traffic shall be maintained by the proponent agency at the time of execution, and the proponent agency shall be held responsible for any kind of accident occurring due to in sufficient safety measures.
12. Methodology for laying pipeline will not have any deterious effects on any of the bridge component and roadway safety of traffic.



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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.

## UNDERTAKING

The Applicant, Mr. Arivazhagan R, age 42 years, residing at Trichy Occupation: Service as General Manager - Projects with IRM Energy Limited having its Office at 4th Floor, 8th Block, Magnet Corporate Park, Near Sola Bridge, S.G. Highway, Thaltej, Ahmedabad 380054 on behalf of RMEL hereby undertakes the responsibilities of laying of pipeline along/across National Highway at below mentioned locations as per the technical specification and approved drawings of National Highway (NH). Also, the pipeline does not pose any problem / hindrance for the six laning, widening and future service roads to be generated due to implementation NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur).

Along:

- 1) (LHS) At Ch:123.800 Km
- 2) (LHS) At Ch:123.850 Km
- 3) (LHS) At Ch:124.700 Km
- 4) (LHS) At Ch:124.850 Km
- 5) (LHS) At Ch:125.000 Km
- 6) (LHS) At Ch:125.850 Km
- 7) (LHS) At Ch:126.000 Km
- 8) (LHS) At Ch:126.300 Km
- 9) (LHS) At Ch:126.550 Km
- 10) (LHS) At Ch:126.850 Km
- 11) (LHS) At Ch:127.850 Km
- 12) (LHS) At Ch:128.850 Km
- 13) (LHS) At Ch:129.590 Km
- 14) (RHS) At Ch:129.650 Km
- 15) (RHS) At Ch:129.850 Km
- 16) (RHS) At Ch:130.700 Km
- 17) (RHS) At Ch:130.850 Km
- 18) (RIIS) At Ch:131.750 Km



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Tamil Nadu.



Email: [msv.dindigulthanjavur@gmail.com](mailto: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.

- 19) (RHS) At Ch:132.750 Km
- 20) (RHS) At Ch:133.630 Km
- 21) (RHS) At Ch:133.750 Km
- 22) (RHS) At Ch:134.750 Km
- 23) (RHS) At Ch:135.630 Km
- 24) (RHS) At Ch:135.750 Km
- 25) (RHS) At Ch:136.490 Km

Pipeline length of casing and depth of pipeline will be maintained to suit the requirement of National Highway Authority of India (NHAI) and work will be carried out keeping safety points into consideration.

Crossing will be carried out by HDD method and the Gas pipeline shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. The casing pipe of the Gas pipeline shall be installed under the road embankment either by boring or digging trench. The Gas Pipeline along shall be laid along the National Highway in stretches where utility ducts have not been provided, the gas pipeline shall be laid beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW by open cut method as possible from any existing structure and care will be taken for all existing utility services; in accordance with GOI, MORTH guidelines issued vide letter No. RW/NH-33044/29/2015/S&R(R) Dated. 22nd November, 2016.

## Annexure-I

### **Affidavit/Undertaking from the Applicant for Installation of Valve Chamber for Approved Gas Pipeline on**

1. Not to Damage to other utility, if damaged then to pay the losses either to the Project Director, NHAI, PIU, Thanjavur or to the concerned agency
2. Renewal of Bank Guarantee
3. Confirming all standard condition of MoRTH'S's guidelines
4. Shifting of Gas pipeline / Valve Chamber as and when required by the Project Director, NHAI, PIU, Thanjavur at IRMEL's own cost
5. Shifting due to 6/8 laning / widening of NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)
6. Indemnity against all damages and claims clause (xxiv)
7. Traffic movement during laying of Gas pipeline to be managed by the applicant
8. If any claim is raised by the Concessionaire, then the same has to be paid by the applicant



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Tamil Nadu.



Email: [msv.dindigulthanjavur@gmail.com](mailto: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.

9. Prior approval of the Project Director, NHAI, PIU, Thanjavur shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline/Valve Chamber located in the National Highway right-of-ways.
10. Expenditure, if any, incurred by the Project Director, NHAI, PIU, Thanjavur for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline/Valve Chamber will be borne by the agency owning the line.
11. If the Project Director, NHAI, PIU, Thanjavur considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the Project Director, NHAI, PIU, Thanjavur at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
12. Certificate from the applicant in the following format
  - (a) Laying of Gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
  - (b) for 6/8-lanning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by the Project Director, NHAI, PIU, Thanjavur for future Six-laning or any other development."

**The Applicant, here by undertake the Standard Conditions of National Highway Guidelines:**

1. **Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency**  
The Applicant will take full care not to damage any existing service lines during the crossing of pipe line (Gas pipe line, Water supply line, Electric line or any other line) and if damage than will pay all losses either to the concerned agency or to NHAI.
2. **Confirming all Standard condition of NHAI's guideline**  
IRMEL will confirm all standard condition of Ministry circulars and NHAI guidelines
3. **Shifting of Gas pipeline as and when required by NHAI at their own cost.**  
If required Gas line will be shifted as per NHAI instruction at IRMEL cost and risk.
4. **Shifting due to 6/8 Lanning / widening of NH**  
IRMEL agree to shift pipeline due to 6/8 Lanning widening of NH.
5. **Indemnity against all damages and claims clause (xiv)**  
IRMEL Indemnity to pay against all damages and claims raised by NHAI due to damages of gas pipeline which does not include Natural Calamities & Force measure
6. **Traffic movement during laying of Gas pipeline to be managed by the Applicant**  
IRMEL will manage traffic movement during laying of gas pipeline if required.



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Email: [msv.dindigulthanjavur@gmail.com](mailto: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.

7. **If any claim is raised by the Maintenance Contractor, then the same has to be paid by the applicant.**  
If any claim raised by the Maintenance Contractor due to damage of gas pipeline, then the same will be paid by IRMEL.
8. **Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline located in the National Highway right-of-way.**  
Prior approval of the NHAI shall be obtained before undertaking any work of installation Shifting or repairs or alteration to the Gas line.
9. **Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline will be borne by the agency owning the line**  
Any expenditure incurred by NHAI for repairing any damage caused to the National Highway for laying, maintenance or shifting of the Gas pipeline will be borne by IRMEL.
10. **If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.**  
If the NHAI considers it necessary in future to move the utility line for any works of Improvement or repairs to the road, it can carried out as desired by the NHAI at the cost of IRMEL.
11. **Certificate from the applicant in the following format Laying of Gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.**  
The Applicant certifies that laying of Gas pipe line will not have any deleterious effect on any of the Bridge Components and roadway safety traffic.
12. **The Applicant undertake/ The Applicant will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future 6/8 laning or any other development.**  
IRMEL do undertake that company will relocate its pipeline from service road/ approach road/utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for further 6/8 laning or any other development.
13. **Renewal of Bank Guarantee & Licensee Fee**  
IRMEL will submit the renewal Bank Guarantee before the expiry date of Bank Guarantee submitted earlier by IRMEL to NHAI. IRMEL will pay the Licensee fee for laying its gas pipelines as per norms.
14. **Undertaking for furnishing of performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines.**  
IRMEL will submit the performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines. RW/NH- 33044/29/2015/S&(R) on Dated-22nd Nov 2016.



# 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](mailto: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.

## 15. Licensee Fee Payment

Licensee fee to NHAI as per GOI, MORTH Guidelines No RW/NH- 33044/29/2015/S& (R) on Dated-22nd Nov 2016.

16. If it is found at any stage that laying/crossing work is not carried out as per approved proposal and MORT&H guidelines/norms mentioned in MORT&H circular no. RW/NH-33044/29/2015/S&R[R] dated 22.11.2016 then the applicant agency will rectify/redo the work as approved at its own risk & cost.

Hence Independent Engineer is of opinion that, the Authority may give permission for installation of Value Chamber at 25 various location for proposed 12"/8"/4" (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli in the Project Stretch of Thanjavur – Trichy section of NH-67.

This is for your kind information and needful action.

Thanking you and assuring you of our best of service at all times.

Yours faithfully,

(K.M.GURUSWAMY)

Team Leader

Encl: Proposed Booklet & Supporting Documents.

Cc: M/s IRM Energy Limited, for kind information...,



**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 : tanjavor@nhai.org, tanjavor\_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/31/2009/ **379**

Dated: 12.02.2024

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- Request for Permission for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu - in the project stretch of Thanjavur - Trichy section of NH-67 -Remarks called for - reg.

**Ref:** General Manager - PNG Projects M/s.IRM Energy Ltd Lr.No.IRMEL/Trichy/  
CGD/PNG/NHAI/2023-24/123 Dated 30.01.2024 (Received on 08.02.2024)

\*\*\*\*\*

Sir,

The General Manager - PNG Projects M/s.IRM Energy Ltd vide reference cited has submitted proposals for install Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

A copy of the proposal is enclosed for reference. The Independent Engineer 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.

Encl: Copy of proposal - 1No

Yours faithfully,

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



IRMEL/TRICHY/CGD/PNG/NHAI/2023-24/123

Date: 30.01.2024

To  
The Project Director,  
Project Implementation Unit - Thanjavur  
National Highways Authority of India (NHAI),  
Thanjavur, Prabha Nagar Extension,  
Gandhipuram, Thanjavur,  
Tamil Nadu – 613 004.

11021/119

NHAI - PIU - THANJAVUR	
8 FEB 2024	
By No:	674
M(T)	
LAO	
PA	
SE/RS	
SE/SB	
SE/AN	
Accounts	

Sub: Permission to install Steel & MDPE Valve Chamber at various Locations for proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

Ref. 1) IRMEL Application Letter No. IRMEL/TRICHY/CGD/PNG/NHAI/2023-24/03 Dtd. 28.03.2023

2) NHAI Permission Letter No. NHAI/PIU/Thanj/11021/119/2023/3011 Dtd. 17.10.2023

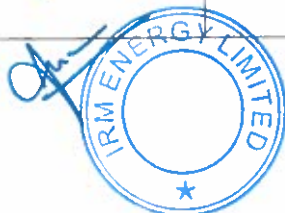
Dear Sir,

With reference to above subject matter and vide letter under reference no. (1), we have applied permission for laying proposed 12"/8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) Along/Across NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu. We are granted permission for the same vide letter under reference (2). As per the permission we received from NAHI, we started our pipeline laying work along NH-83.

As per the PNGRB guidelines, a part of our network expansion for supplying Natural Gas in Tiruchirappalli district, we required to install Valve chambers for underground Steel/MDPE Pipeline at below mentioned locations along the pipeline route.

#### Details of Valve Chamber Proposed Location

SR. NO.	DESCRIPTION	NHAI Chainage	Valve Chamber	Remarks
1	Trichy to Tanjore – Left side - Near SIDCO	123.800	Steel Valve (FT)	SIDCO
2	Trichy to Tanjore – Left Between SIDCO & SBI	123.850	MDPE Valve Chamber	



IRM ENERGY LIMITED

81

Registered Office : 4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Near Sola Bridge, S.G. Highway, Thaltej, Ahmedabad, Gujarat-380054, India

File No. PROJ-2017/18/1/2024-PIU Thanjavur (Computer No. 19350) Email: [info@irmenergy.com](mailto:info@irmenergy.com) Phone: 079-40031500 Website: [www.irmenergy.com](http://www.irmenergy.com) CIN : L40100GJ2015PLC085213

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3	Trichy to Tanjore – Left side Near SBI Bank	124.700	Steel Valve (IV)	
4	Trichy to Tanjore – Left side Near Karmaverar Kamarajar statue	124.850	MDPE Valve Chamber	
5	Trichy to Tanjore – Left side Indian oil petrol pump	125.000	Steel Valve (FT)	DJP Fuels
6	Trichy to Tanjore – Left side Near SSTP	125.850	MDPE Valve Chamber	
7	Trichy to Tanjore – Left side Near Reduce your speed Board	126.000	Steel Valve (FT)	BHEL Industries
8	Trichy to Tanjore – Left side Near Diversion Road marker Board	126.300	Steel Valve (FT)	BHEL Township
9	Trichy to Tanjore – Left side Near Namaste Gate	126.550	Steel Valve (IV)	
10	Trichy to Tanjore – Left side DYFI Road painting	126.850	MDPE Valve Chamber	
11	Trichy to Tanjore – Left side Near Balaji Driving School	127.850	MDPE Valve Chamber	
12	Trichy to Tanjore – Left side Harsha clinic	128.850	MDPE Valve Chamber	
13	Trichy to Tanjore – Left side Near Shivram Arcade	129.590	Steel Valve (IV)	
14	Trichy to Tanjore – Right side Near BPCL	129.650	Steel Valve (FT)	BPCL
15	Trichy to Tanjore – Right side Near Otium Living industries	129.850	MDPE Valve Chamber	
16	Trichy to Tanjore – Right side Near Maruti Suzuki	130.700	Steel Valve (IV)	





17	Trichy to Tanjore – Right side Near Maruti Suzuki	130.850	MDPE Valve Chamber	
18	Trichy to Tanjore – Right side Near Gohri Mahal	131.750	MDPE Valve Chamber	
19	Trichy to Tanjore – Right side Subham Medical centre	132.750	MDPE Valve Chamber	
20	Trichy to Tanjore – Right side BVS Metallic	133.630	Steel Valve (IV)	
21	Trichy to Tanjore – Right side Opposite MAS Tiles	133.750	MDPE Valve Chamber	
22	Trichy to Tanjore – Right side Near MP Plaza	134.750	MDPE Valve Chamber	
23	Trichy to Tanjore – Right side Near SIT	135.630	Steel Valve (FT)	Reliance Petrol pump
24	Trichy to Tanjore – Right side Near LG Medicals	135.750	MDPE Valve Chamber	
25	Trichy to Tanjore – Right side opposite TIM World international Pvt Ltd.	136.490	Steel Valve (IV)	Near Palpannai

In order to commission these pipelines at the earliest, IRM Energy Limited requests the NHAI Tiruchirappalli to kindly facilitate us in securing to augment the faster rollout of City gas distribution network in the authorized districts in the State of Tamil Nadu by granting permissions in the above-mentioned stretch and also to support the Project of National and environmental importance.

We are hereby submitting the authorization received from PNGRB along with G.O.(Ms)No.127 dated 27.05.2020 issued by Honourable Government of Tamil Nadu with common guidelines / instructions on restoration charges to be considered by various state government authorities for granting permissions to CGD entities for development of network in authorized areas.

We trust the Honourable authority finds our submission in order and we shall be happy to represent in person if the same is required by your good office.

We are ready to pay fees/charges if any, as per the Government's rules and regulations and also, to execute the agreement.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.



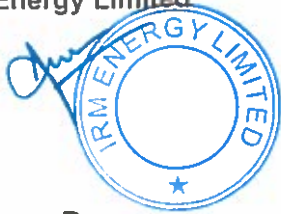


For any further details you may contact as below:

Contact Person - Mr. Arivazhagan (General Manager – Projects)  
Email - arivu.r@irmenergy.com  
Contact No. - +91 - 6359858555

Thanking you.

Yours Sincerely,  
For IRM Energy Limited



Arivazhagan. R  
General Manager – Projects

Encl: As above

