



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

दूसरा व तीसरी तल, विजय कृष्ण प्लाजा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माट्टुतावनी, मदुरै-625 107  
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-246595/ 711

5<sup>th</sup> June, 2024

**INVITATION OF PUBLIC COMMENTS**

**विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, तंजावुर** - Permission for laying proposed 8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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 - Invitation of Public Comments -Reg.

**प्रसंग :** PD, Thanjavur Lr. no. NHAI/PIU/Thanj/11021/119/2023/913 dated 09.04.2024.

The Proposal is regarding permission for laying gas pipeline across at Km 126.200, Km 131.600, Km 133.675, Km 135.260 and Km 136.400 using HDD method in the project stretch of Karappalayam-Kattur) (Trichy-Thanjavur) from Thiruverumbur to NIT Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City of NH-83 in the State of Tamil Nadu by M/s IRM Energy Ltd., Ahmedabad has been submitted to this office by the PD, PIU, Thanjavur vide letter No. NHAI/PIU/Thaj/11021/119/2023/913 dated 09.04.2024 in accordance with Ministry's latest guidelines dated 22.11.2016.

2) The alignment proposed by M/s IRM Energy Ltd., Ahmedabad for laying gas pipeline across at Km 126.200, Km 131.600, Km 133.675, Km 135.260 and Km 136.400 using HDD method in the project stretch of Thanjavur- Trichy section of NH-83 is as detailed under:

Stretch in Km	Length (m)	Remarks
Across NH-83 1.Km126.200, 2. Km131.600, 3. Km 133.675, 4. Km 135.260 & 5. Km 136.400	Varies from 26.13m to 42.70m in the proposed crossings.	Laying of pipe line across by HDD Method at a minimum depth of 2.5 m from top of the subgrade.

3) The Right of Way is varying from 26.13 m to 42.70 m in the aforesaid stretch. M/s IRM Energy Ltd., Ahmedabad has proposed to lay Gas pipeline across at Km 126.200, Km 131.600,

*(Signature)*

## National Highways Authority of India

Km 133.675, Km 135.260 and Km 136.400 using HDD method in the project stretch of Thanjavur-Trichy section of NH-83 in the State of Tamil Nadu which is in conformity with Ministry's Guidelines dated 22.11.2016.

4) M/s IRM Energy Ltd., Ahmedabad has furnished an Undertaking to the effect that the applicant will remove the laid Gas pipeline in future if required by NH wing of State Highways Department/MoRTH Govt. of India at any time for expansion of the NH at their own cost without claiming any compensation from NH wing of Tamil Nadu/MoRTH Govt. of India and any right on the NH land. Further, mentioned that M/s IRM Energy Ltd., Ahmedabad will also restore the surfaces to its original condition soon after removal of the Gas pipeline. Also, certified that the proposed gas pipeline will not affect the design, stability, traffic safety and future improvement of the proposed stretch.

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

In view of the above, comments of the public on the above proposal is invited to the below mentioned address:

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

भवदीय



(सी. राहुल | C.Raghul)

प्रबंधक (तक) | Manager (Tech)

क्षे.का. मदुरै | RO-Madurai

संलग्न: As above

प्रतिलिपि:

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

List of Correspondences							
Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
E 944275/2024/PIU-THANJAVUR	Permission for laying proposed 8”/4” Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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 – Approval requested -reg	Receipt		15/04/2024 06:33 PM		1-73	Approval requested

सत्यमेव जयते

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

## National Highways Authority of India

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

Office of the Project Director, Project Implementation Unit,

No. 54, Natarajapuram North Colony,

Medical College Road, Thanjavur - 613 004, Tamilnadu.

टेलीफोन / Telephone : 04362 - 246473, 241777

ई-मेल / E-mail : tanjavor@nhai.org, tanjavor\_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



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

1913

Dated: 09.04.2024

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: Permission for laying proposed 8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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 - Approval requested -reg.  
-Across At Ch:126.200 Km (4" Steel)  
-Across At Ch:131.600 Km (125 MDPE)  
-Across At Ch:133.675 Km (125 MDPE)  
-Across At Ch:135.260 Km (4" Steel & 125 MDPE)  
-Across At Ch:136.400 Km (8" Steel & 125 MDPE)

Ref: 1. 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)  
2. MORTH Online Application ref.No.20240321/1/12/18914/7041 Dt.21.03.2024  
3. This office Lr.No.NHAI/PIU/Thanj/11021/31/2009/381 Dated 12.02.2024  
4. IE M/s.MSV International Inc Trichy Lr.No.MSV/Trichy/NHAI/IE-TL/2023-24/1932 Dated 26.02.2024

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Sir,

The General Manager - PNG Projects M/s.IRM Energy Ltd vide reference 1<sup>st</sup> & 2<sup>nd</sup> cited has submitted proposal for laying proposed 8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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.

-Across At Ch:126.200 Km (4" Steel)  
-Across At Ch:131.600 Km (125 MDPE)  
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-Across At Ch:135.260 Km (4" Steel & 125 MDPE)  
-Across At Ch:136.400 Km (8" Steel & 125 MDPE)

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

2. Vide this office reference 3<sup>rd</sup> cited, it has been requested Independent Engineer to inspect and report on the submitted proposal. They have submitted their report vide reference 4<sup>th</sup> cited and the same is enclosed.

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

1. M/s.IRM Energy Ltd, Ahmedabad has proposed for laying of underground Gas Pipeline by HDD method as below:

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

2. In the proposal M/s. IRM Energy Ltd, Ahmedabad has mentioned that the GAS pipeline will be laid at 2.5 m below the G.L by using trench less method by Horizontal Direction Drilling, which is more than the Ministry stipulation of minimum 1.50m below G.L as per norms of Ministry Circular.
3. The applicant M/s. IRM Energy Ltd, Ahmedabad has proposed underground R-LNG pipeline across the road at the depth of 1.5 m below GL by trench less method by Horizontal Direction Drilling with 16",8" (250.mm), MS Pipe.
4. The Independent Engineer, M/s. MSV International Inc., has inspected the site and opined that the applicant may be permitted to lay pipe line without disturbing the existing utilities (copy enclosed).
5. The applicant has to submit an undertaking to NHAI for restoration of the excavated stretch to the normal condition without damages to the utilities such as drinking water lines, sewage lines, electrical cable and other OFC cables.
6. The strip plan showing the details of proposed laying of Gas Pipeline and OFC and necessary checklist are furnished.
7. The licensee has to cross the NH by HDD (trenchless technology only). In case any damage is caused to the road pavement in this process. M/s. IRM Energy Ltd, Ahmedabad will have to restore the same to the original condition at their own cost.
8. The levy fee and other conditions stipulated in the new circular of Ministry have also been included in the undertaking
9. The four laning work in the above stretch of Thanjavur- Trichy section of NH-67 has already been completed.

**A. Restoration Charges to be collected**

Across the road in 5 locations (5x100000)

= Rs. 500000/-

Total = Rs 500000/-

## National Highways Authority of India

### B. License fee to be collected

Sl.No.	Description	Length in Meters	Width	Area occupied in Sqmt
B	Area occupied across the road Across At Ch:126.200 Km Across At Ch:131.600 Km Across At Ch:133.675 Km Across At Ch:135.260 Km Across At Ch:136.400 Km	300	0.947	56.82
C	Total area to be utilized	300	0.947	56.82
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 Public Utility (Rs/sqm/month) = (Utilized NH land area x prevailing Circle rate of land per unit area X1.5 per annum subject to minimum of Rs.10000/ with 6% annual increment			
F	Total amount for Public utilities (Rs)			11442
G	License fee for initial 5 years in Rs.= Total amount (Rs.11442x1.5%x5 years)			64500

Hence the proposal of M/s.IRM Energy Ltd, Ahmedabad seeking permission for laying laying proposed 8"/4" Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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 as detailed above may please be considered and approval accorded.

Yours faithfully,

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



(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



**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.	990
MIT	
LAO	
PA	
SE/RS	
SE/SB	
SE/AN	
Accounts	

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

**MSV/TRICHY/NHAI/IE-TL/2023-24/1932****Date: 26.02.2024**

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

**Sub:** Independent Engineer during Operation & Maintenance Period for the stretches from Km.80+000 to Km.136+490 section of (Old NH-67) New NH-83 in the State of Tamil Nadu on BOT Basis under NHDP – Phase-III – **Request for Permission for laying proposed 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.**

**Across At Ch: 126.200 Km (4" Steel)****Across At Ch: 131.600 Km (125 MDPE)****Across At Ch: 133.675 Km (125 MDPE)****Across At Ch: 135.260 Km (4" Steel & 125 MDPE)****Across At Ch: 136.400 Km (8" Steel & 125 MDPE)**

**Ref:** 1) 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)  
2) NHAI/PIU/Thanj/11021/31/2009/381 Dated: 12.02.2024.

**Dear Sir,**

This is with reference to the above subject, The General Manager PMG Projects M/s.IRM Energy Ltd vide reference (1) cited has submitted proposals for laying proposed 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 the laying of Pipeline across the road from Thiruverumbur to NIT



# MSV INTERNATIONAL INC.

IN ASSOCIATION WITH

MSV INTERNATIONAL TECH PVT. LTD.

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



Email: msv.dindigulthanjavur@gmail.com

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

Tiruchirappalli (towards Thuvakudi) & Thiruverumbur to Tiruchirappalli City Connectivity to develop City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli, State Tamil Nadu.

## Annexure C

### Conditions to be enclosed / incorporated in the approval letter for Permission for laying of 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 is 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 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.





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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.

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 detrious effects on any of the bridge component and roadway safety of traffic.

## 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, B 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 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)

Across At Ch:126.200 Km (4" Steel)

Across At Ch: 131.600 Km (125 MDPE)

Across At Ch: 133.675 Km (125 MDPE)

Across At Ch: 135.260 Km (4" Steel & 125 MDPE)

Across At Ch: 136.400 Km (8" Steel & 125 MDPE)

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.



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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.

## Annexure-1

### Affidavit/Undertaking from the Applicant for laying of Pipeline

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 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 movements 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 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 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.



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(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 undertakes 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.**

It 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 (xxiv)**

IRMEL, indemnify to pay against all damages and claims raised by NIHA1 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.





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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 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-224 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 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.

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/redesign the work as approved at its own risk & cost.

Hence Independent Engineer is of opinion that, the Authority may give permission for laying of MDPE gas Pipeline across at NH-83 in 5 locations (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 by HDD method for a length of totally 126.65 meters 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 & Annexure -A



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



**NHAI ROAD CROSSING DETAILS**  
**ANNEXURE - A**

Crossing	Pipeline Size	Chainage (NHAI)	As per site ROW LENGTH	Location Photograph
Proposed NHAI crossing -1	125 mm MDPE	NHAI 83 Chainage : 131.600KM	28.93 M	
Proposed NHAI crossing -2	125 mm MDPE	NHAI 83 Chainage : 133.675KM	33.03 M	
Proposed NHAI crossing -3	4" Steel Pipeline & 125mm MDPE	NHAI 83 Chainage : 135.260 KM	42.69 M	



Proposed NHAI crossing -4	8" Steel Pipeline & 125mm MDPE	NHAI 83 Chainage : 136.400 KM	34.40 M	
Proposed NHAI crossing -5	4" Steel Pipeline	NHAI 83 Chainage : 126.200 KM	26.13 M	





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/ 381

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 laying proposed 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.

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

Ref: 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)

\*\*\*\*\*


Sir,

The General Manager - PNG Projects M/s.IRM Energy Ltd vide reference cited has submitted proposals for laying proposed 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



## 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 laying proposed 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.

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

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.



Ref: IRMEL/TRICHY/CGD/PNG/NHA/2023-24/124

Date: 07.02.2024

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

Sub.: Permission for laying proposed 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.

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

Dear Sir,

IRM Energy Limited (IRMEL), a Company of Cadila Pharmaceuticals Ltd. is an integrated value driven energy enterprise, developing Natural Gas Distribution Projects across various district in the county for industrial, commercial, domestic and automobile customers. The company is committed towards contributing to the energy need of its consumers.

IRM Energy is granted authorization for laying, building, operating or expanding city or Natural Gas distribution networks in Tiruchirappalli & Namakkal District under Petroleum and Natural Gas Regulatory Board (PNGRB) under 11th CGD bid round (April 2022).

It may be noted that the natural gas mainline / trunk line is quintessential for the development of CGD Network in any area wherein a CGD entity would secure connectivity from the tap-off points of a natural gas pipeline and lay its primary, secondary and tertiary network of steel and medium density poly ethylene pipelines for supply and distribution of natural gas to domestic, transport, commercial and industrial customers.

As a part of our network expansion for supplying Natural Gas in Tiruchirappalli district, we intend to lay 8"/4" Dia. Steel & 125 mm Dia. MDPE gas pipeline (in same trench) across the NH Road shoulder. Valve chambers for underground Steel Pipeline shall be installed at every 3 KM & MDPE Pipeline at every 1 KM interval along the pipeline route.



**IRM ENERGY LIMITED**

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

Generated from: Office by: C. RAGHUL, MGR (T) (PIU) TRICHY, CR, MANAGER (TECHNICAL) NRG, Madurai, 07/02/2024 06:16 PM  
Email: info@irmenergy.com | Phone: 079-19031500 | Website: www.irmenergy.com | CIN: L40100GJ2019PTC000219





**Details of Pipeline Laying Across Road:**

SR. NO.	DESCRIPTION	ALONG/ ACROSS	IRM P/L CHAINAGE (m)		LENGTH /WIDTH (m)	DIA. & LINE NAME
			START	END		
1	NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) (At Ch: 126.200 Km)	Across	0.00	25.33	25.33	4" DIA. STEEL GAS PIPELINE (LINE-01)
2	NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) (At Ch: 131.600 Km)	Across	0.00	25.33	25.33	125 MM DIA. MDPE GAS PIPELINE (LINE-02)
3	NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) (At Ch: 133.675 Km)	Across	0.00	25.33	25.33	125 MM DIA. MDPE GAS PIPELINE (LINE-03)
4	NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) (At Ch: 135.260 Km)	Across	0.00	25.33	25.33	4" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE (IN SAME TRENCH) (LINE-04)
5	NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur) (At Ch: 136.400 Km)	Across	0.00	25.33	25.33	8" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE (IN SAME TRENCH) (LINE-05)
Total					126.65	
Total (km)					0.1266	

The pipeline route map is enclosed herewith; this shows the exact site of the proposed 8"/4" Ø Steel & 125 mm Ø MDPE Gas Pipeline.

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 and it will be laid by HDD Method or as per directives. We ensure to retain the road to its original condition.

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. R (General Manager – Projects)  
Email - arivu.r@irmenergy.com  
Contact No. - +91 – 95375 28453

Thanking you.

Yours Sincerely,  
For IRM Energy Limited



★ Arivazhagan R  
General Manager –Projects

Encl: As above



### CHECK – LIST

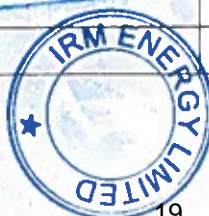
Check list for getting approval for laying of Gas Pipeline on  
NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)  
Government of India Guidelines GR No. RW/NH-33044/29/2015/S&R(R) Dtd. 22.11.2016

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)	Across: 1) Across At Ch:126.200 Km 2) Across At Ch:131.600 Km 3) Across At Ch:133.675 Km 4) Across At Ch:135.260 Km 5) Across At Ch:136.400 Km	
1.6	Length in Meters	101.32	
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 chainage / km direction	10.85m – 28.86 m	
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	

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**NATIONAL HIGHWAYS AUTHORITY OF INDIA**

**PIU-THANJAVUR**



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**GENERAL MANAGER (T) & PROJECT DIRECTOR**

**NATIONAL HIGHWAYS AUTHORITY OF INDIA**

**PIU-THANJAVUR**

	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	
1.16	Whether proposal to lay Gas pipeline is after the service road or between the service road and main carriageway	After the Service Road and Close to ROW	
1.17	The permission for laying of Gas pipeline 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.	YES	
	(a) Carrying of sewage / Gas pipelines on highway bridges shall not be permitted as Fumes / Gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Gas.	YES	
	(b) Carrying of Gas pipelines 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.	YES	
	(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.	YES	
	(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	YES	
	(a) Existing drainage structures shall not be allowed to carry the lines.	YES	

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NATIONAL HIGHWAYS AUTHORITY OF INDIA



	(b) The utility services shall cross the National Highway preferably on a line normal to it or as nearly show as practicable. IRM Energy 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.	YES	
	(c) The casing pipe may be installed under the route embankment either by boring or digging a trench. Installation by boring method shall preferred.	YES	
	(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.	YES	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	(f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	YES	
	(g) The top of the casing / conduit pipe should be at least 2.50 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts.	YES	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	YES	
	(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.	YES	
2	Document / Drawings enclosed with the proposal	Enclosed	
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)	N.A.	

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	<p>(i) Should not be greater than 60 cm wider than the outer diameter of the pipe</p> <p>(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.</p> <p>(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.</p> <p>(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</p> <p>(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.</p>		
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, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of Gas pipeline	Enclosed	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench	N.A.	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	N.A.	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value.	N.A.	
	(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 tamping and	N.A.	

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	controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.		
	(f) The road crust shall be built to the same strength as the existing crust on either side of the trench. 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	Enclosed	
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 the losses either to NHAI or to the concerned agency	Enclosed	
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 as and when required by NHAI at IRMEL's own cost	Enclosed	



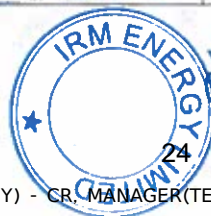
MANAGER (TECH)

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

5.5	Shifting due to 6/8 lanning / widening of NH	Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Enclosed	
5.7	Traffic movement during laying of Gas pipeline to be managed by the applicant	Enclosed	
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	Enclosed	
	(i) Laying of Gas Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Enclosed	
	(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.”	Enclosed	
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 – 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		

MANAGER (TECH)

NATIONAL HIGHWAYS AUTHORITY OF INDIA



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

	Gas Pipeline would be extremely difficult and 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		

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

For IRM Energy Limited

**Arivazhagan R**  
General Manager – Projects



**GENERAL MANAGER (T) & PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA



## ANNEXURE- A

### Details of Laying Underground Pipeline Along 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 for laying proposed 8"/4" Dia. Steel &  
parallel to NH Land 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.
- (vi) Any other details regarding laying :
  - (a) Distance of proposed site from the : N.A.  
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. : N.A.  
stone on road side)
  - (iii) Width of the road
    - (a) Formation width measured from : 22.50 m  
earthen bank
    - (b) Black Topped carriageway width : 17.50 m
    - (c) Road Boundary (extent of highway land) : 52.71 m





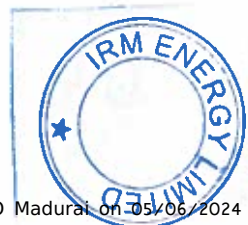
(All these details are to be shown on the drawing also)

- (d) Location of Pipeline Laying Parallel : Thiruverumbur to Tiruchirappalli City
3. Details to be supplied on layout drawings (4 sets) : N.A
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. : 8"/4" & 125 mm
- (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 as per rules and regulation of the Govt. will be deposited timely. : Agreed

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 : 1) At Ch:126.200 Km – 25.33 mt  
Chainage of the National Highway 2) At Ch:131.600 Km – 25.33 mt  
and right of way of NHA at 3) At Ch:133.675 Km – 25.33 mt  
Crossing point 4) At Ch:135.260 Km – 25.33 mt  
5) At Ch:136.400 Km – 25.33 mt
2. Drawing showing distance of cable : Enclosed  
/ 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 : HDD Method (Enclosed)  
trench less technique
4. Crossing details: Plan & Cross : Enclosed  
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 : Enclosed  
Highway showing the following  
  - (A) Existing ROW of NH in Green : Marked  
Colour
  - (B) Gas Pipe in Red, Green & Blue : Marked  
Colour
6. Undertaking that you shall take : Enclosed  
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 laying of 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 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.

For IRM Energy Limited



Arivazhagan R  
General Manager – Projects



தமிழ்நாடு TAMILNADU

7 FEB 2024

DW 743710

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 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).

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

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

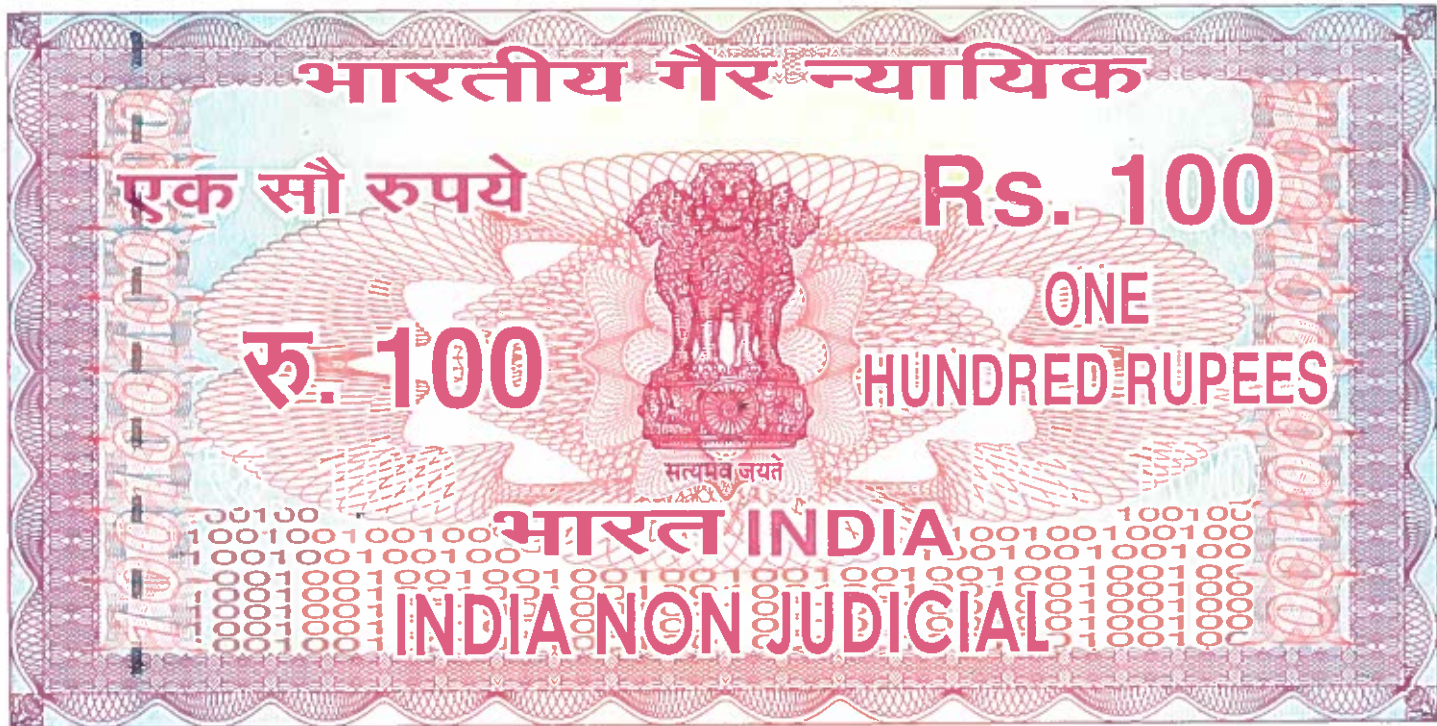
	<b>Affidavit / Undertaking from the Applicant for laying of Pipeline</b>
1	Not to Damage to other utility, if damaged then to pay the losses either to the Project Director, NHAI, PIU, Thanjavur or to the concerned agency
2	Renewal of Bank Guarantee
3	Confirming all standard condition of MoRTH'S 's guidelines
4	Shifting of Gas pipeline 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 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 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

30 JAN 2024

DS 862109

M.ELANGO VAN  
STAMP VENDOR

L.No: 09/2011

KARUR - 639 004.

We, IRM Energy Limited, 4th Floor, 8th Block, Magnet Corporate Park, Nr. Sola Bridge, S. G. Highway, Thaltej, Ahmedabad – 380054, Gujarat, propose to lay 8”/4” Dia. Steel & 125 mm Dia. MDPE Gas Pipeline (in same trench) 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.

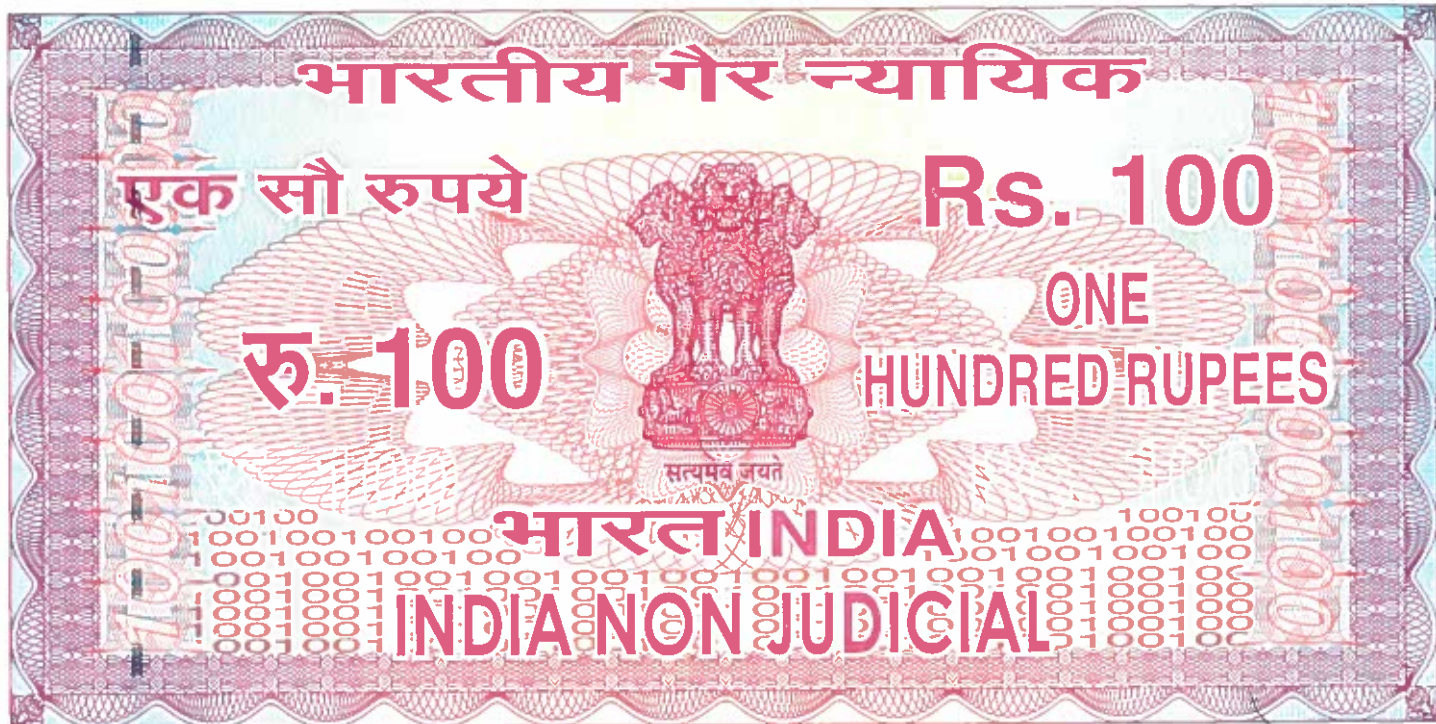


14. **Undertaking for furnishing of performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines.**  
IRMEL will submit the performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government of India Guidelines. RW/NH-33044/29/2015/S&(R) 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/redesign the work as approved at its own risk & cost.

For IRM Energy Limited



Arivazhagan R  
General Manager – Projects



தமிழ்நாடு தமில்நாடு TAMILNADU

30 JAN 2024

DS 862110

MELANGOVAN  
STAMP VENDOR  
L.No: 09/2011  
KARUR - 639 004

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

FOR LAYING Permission for laying proposed 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.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) of 2024 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.

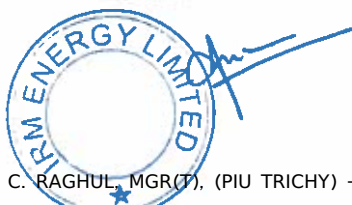
Whereas the Licensee has applied to the Authority for permission to lay utility service ACROSS NH-83 as per below details.

- Across At Ch:126.200 Km (4" Steel)
- Across At Ch:131.600 Km (125 MDPE)
- Across At Ch:133.675 Km (125 MDPE)
- Across At Ch:135.260 Km (4" Steel & 125 MDPE)
- Across At Ch:136.400 Km (8" Steel & 125 MDPE)

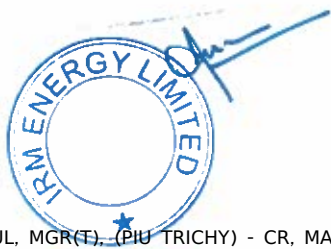
And whereas the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

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.

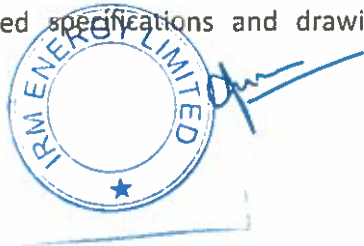


20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which 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 annually.
  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 infeasible 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**

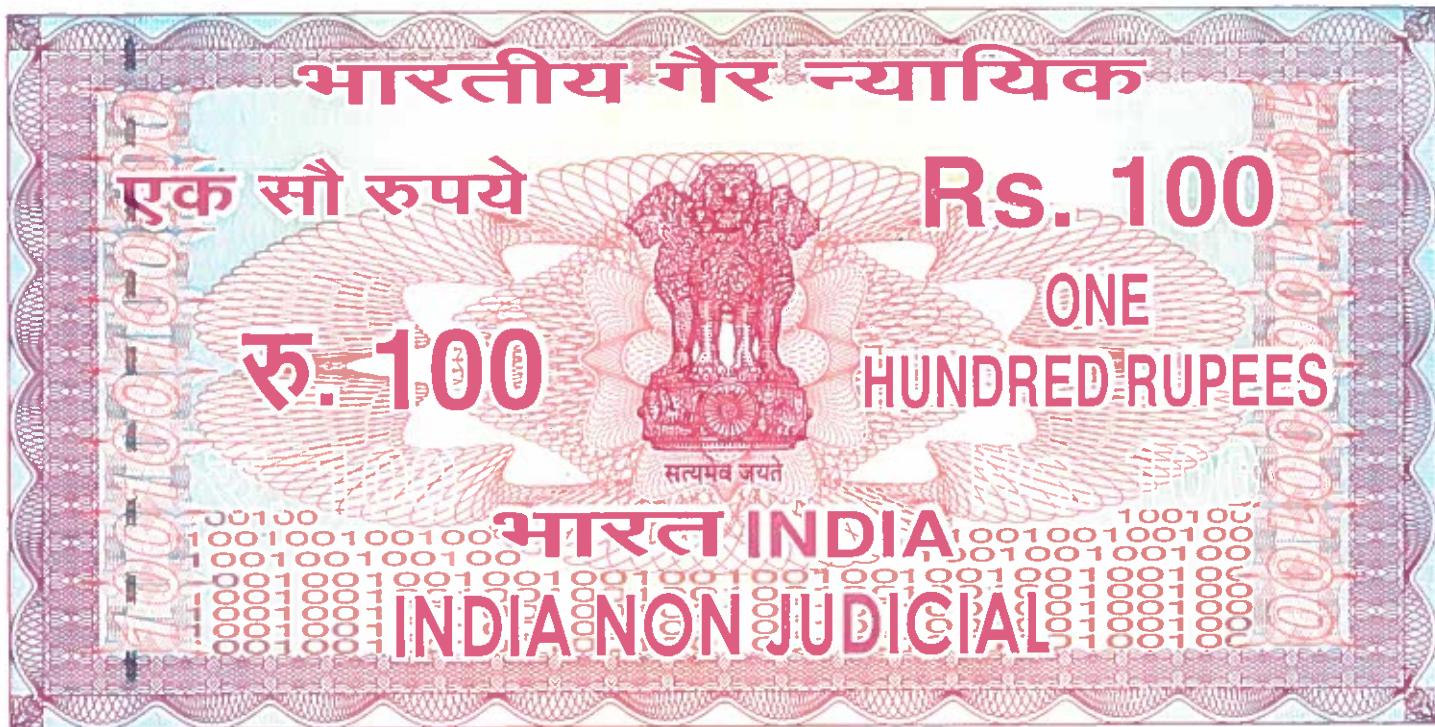
4<sup>th</sup> Floor, 8<sup>th</sup> Block, Magnet Corporate Park, Nr. Sola Bridge, S.G Highway, Thaltej, Ahmedabad - 380054, Gujarat

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

30 JAN 2024

DS 862112

  
M. ELANGO  
STAMP VENDOR  
L.No: 09/2011  
KARUR - 639 004.

### INDEMNITY BOND

Name of Work: FOR LAYING PROPOSED 8"/4" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE (IN SAME TRENCH) ALONG/ACROSS NH-83 (KARAPPALAYAM-KATTUR) (TRICHY-THANJAVUR) ACROSS AT CH: 126.600 KM, AT CH: 131.600 KM, AT CH: 133.675 KM, AT CH: 135.260 KM, AT CH: 136.400 KM 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,

#### Indemnity against all damages and claims as per SL.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 LAYING PROPOSED 8"/4" DIA. STEEL & 125 MM DIA. MDPE GAS PIPELINE (IN SAME TRENCH) ALONG/ACROSS NH-83 (KARAPPALAYAM-KATTUR) (TRICHY-THANJAVUR) ACROSS AT CH: 126.600, AT CH: 131.600, AT CH: 133.675 KM, AT CH: 135.260, AT CH: 136.400 FROM THIRUVERUMBUR TO NIT TIRUCHIRAPPALLI (TOWARDS THUVAKUDI) & THIRUVERUMBUR TO TIRUCHIRAPPALLI CITY CONNECTIVITY to develop

1



City Gas Distribution Network in Tiruchirappalli City of District Tiruchirappalli in the sate of Tamilnadu 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



## CONSTRUCTION METHODOLOGY FOR LAYING ALONG THE ROAD

### Laying utility Services Gas Pipeline Along the NH Road

The Utility ducts are not provided. Therefore, the proposed Pipeline will be laid at suitable location preferably as close to the extreme edge of ROW.

The Trench of size is approx. 0.600 m wide and 1.65 mt. deep will be made by Open-Cut method for laying the Pipeline parallel to road at the extreme edge of the road. i.e., approx. 28 mt. from center of the road. The size of Trench will be done as nearly vertical as possible. Then the Pipeline will be laid. The backfilling of the trench will be done as under:

- i) Side fill to the level of the top of the pipe
- ii) Overfill to the bottom of the road crust.
- iii) The overfilling will be compacted to the same density as the Material that had been removed.

The utility services Gas Pipeline will be laid beyond the toe line of the embankment and drains as close to the extreme edge of the ROW as possible i.e. approximate 28 mtr. far from the center of the road.

It will be ensured no time there is interface with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the Gas Pipeline will be laid at least 0.6 mtr. below ground level.

The gas pipeline will not be laid over existing culverts and bridges. Since there is no provision of duct, the gas pipeline will be laid parallel the road by open cut method on the extreme edge of the road. i.e between 28 mtr. far from center of the road.

It will be ensured that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic.

### SITE CLEARANCE & SURVEY

Pipeline corridor is to be cleared for bush, shrubs if any on either side of the road. Exact reserve width of the particular road is to be marked on the site which may vary depends on the type of road.

### PIPELINE MARKER SIGN & BOUNDARY FENCE

The boundary fence and the pipeline marker as per the standard specification shall be installed at distance of approx. 500 mtr.

For IRM Energy Limited



Arivazhagan R  
General Manager – Projects



## Basic Information on Horizontal Directional Drilling Methodology

### Contents

SN	Description
1	Scope
2	Reference
3	HDD Site Preparation
4	HDD Operation
5	Hydro-Static Test
6	Reinstatement of Works
7	Acceptance / AS-Built Records





## 1.0 Scope:

This procedure covers the Basic Information for execution of HDD works, for Across the National Highway.

## 2.0 Document Reference :

Documents shall be followed as per IRM Energy Limited Project Procedures.

## 3.0 HDD Site Preparation:

1. Approach to Site
2. Preparation of Entry & Exit pit
3. Bentonite Collection Pit (if Applicable)
4. HDD Equipment Deployment

## 4.0 HDD operation:

- 4.1 The drill site has been surveyed and drill profile drawing shall be submitted for approval. This drawing provides the profile of the drill hole. Upon approval of this drawing and completion of the pipe string preparation work including successful hydro testing of the pipe strings the entrance and exit stakes shall be fixed at the design entry and the exit points.
- 4.2 The drill profile drawing as establishes the Entrance and Exit angles as well as the radius of the curvature. The tangent lengths and the points are also shown. As may be seen from the stress calculation finished the maximum combined stress is obtained while the hydro test is in progress for the pipeline, which is well within the maximum allowable stress as shown therein.
- 4.3 The drilling rig shall be mobilized together with the auxiliary equipment by the time the pipe string has been completed and tested. The drill unit shall then be placed over the entry point of the pipeline in a position so that the drill may enter exactly at the correct location. The drill unit is then elevated at the rear in order to ensure that the angle at the entry confirm to the angle specified in the drill profile drawing. The rig is then anchored in position and is ready to commence the drilling of the pilot bore.
- 4.4 The drilling operation then begins using the drill bit, the steering tool and the high-pressure injection of bentonite slurry. Drilling is carried out at intervals of about 20 ft. (6 mtrs. approx equivalent to one length of drill pipe a new length of drill pipe being added at the end of each interval)
- 4.5 Guidance to the drill head is achieved by using an electronic navigation system, where the sensing unit is fixed to the rear end of the steering tool. This sensing unit transmitted the location of the drill head back to the



operator at the control panel of the rig. The operator is thus able to monitor at all times the coordinates of the drill head and is able to verify the accuracy of the actual drill profile with respect to the designed drill profile by continual comparison of the coordinates. If he detects a substantial deviation of any particular point the operator will either correct the drilling profile or pull back a certain length and re-drill to the correct profile. The operator also has additional information from the magnetometer and the accelerator readings.

- 4.6 Once the drill bit exits end of the drill hole, the drill bit, steering tool etc are all detached and reamer is attached to the drill string. The reamer is then pulled back by the drill rig and drill pipes are attached one after the other behind the reamer from the exit side. At the same time drill pipe shall also been withdrawn from the drill hole entry end. During the reaming or hole opening process bentonite drilling mud (if require) is pumped under the high pressure from the rig side through the drill pipe. Drill pipe being released at the entry side are transported in lots by truck to the exit side in order to bed from there during the reaming process. Once the reamer exits at the entry end, a second reamer is to be attached at the exit end and the reaming process shall be repeated.
- 4.7 Prior to the reaming process and after completion of hydrostatic test of pipe string (in a single length) a pull head shall be welded on to the end of the pipe facing other end.
- 4.8 Upon exit of the first reamer at entry end the next reamer shall be introduced from the exit end and the process is repeated again (i.e., the fourth reaming).
- 4.9 When the reaming of the hole has been completed, a swab with high pressure drilling mud shall be pulled through the hole. After this the hole would be ready for the pipe to be pulled in. Once driller is satisfied that the hole is cleaned up and ready to receive the pipe, the pull head is connected to the drill string through a swivel. The swivel prevents the pipe from rotating during the pull back.
- 4.10 The pipe before this stage been already placed on rollers on the ground and held by a crane or backhoe at the rear end, in order to minimize the friction and to ensure its smooth entry down the drilled hole. The pipe string is then pulled back from the exit end and towards the entrance end by the drill jig. The pulling process is continual with short intervals necessary for the removal of each drill pipe. Once the pull back operation is completed and one end of the pipe has emerged at the entrance point, the entire pull back operation is terminated and the drill jig is removed.
- 4.11 Immediately after the pull back operation cathodic protection shall be installed, monitored and controlled to protect the string from corrosion.



4.12 During the different execution phases of the HDD, Various drilling operation record shall be maintained as per the following:

- Quantity of mud used.
- During drilling operations (per drill pipe element)
- The maximum force apply (push/pull/torque)
- Time duration for assembling two elements.
- The drilling head position in X-Y-Z co-ordinates.
- Deviation compares to require position.
- The proposed corrective measures
- During drill pipe pull back (per drill pipe element)
- Pull back duration per element.
- Maximum pulling force per element.
- An alignment sheet with length profile of the pipeline (scale 1/500) showing the location of each weld joint and their X-Y-Z coordinates.

#### 5.0 Hydro-static Test:

Hydro-static Test shall be carried out for the Pipeline section, Test Procedure shall be approved by PMC/Client.

#### 6.0 Reinstatement of the working site and access road:

The ground occupied during the work shall be reinstated to its original condition as quickly as possible after the completion of the works.

Access to property, fences, ditches, retaining walls, irrigation systems and other structures shall be reinstated in compliance with agreements drawn up at the time of initial survey. Land register marks moved for the work shall be replaced by a surveyor, where necessary devices to prevent erosion of the backfill materials shall be installed when reinstating embankments, and slopes.

Re-instatements of footpaths, road surfaces, banks, shoulder, etc shall be performed with the agreement of authorities concerned.

#### 7.0 Acceptance /As Built Records:

As work advances, the position of the pipe shall be surveyed and plotted on the drawings.

"As Built" Documentation containing all documents (drawings, design calculation, welding log etc) which enable location and description of the pipe shall be compiled on completion of the work.

"As Built" documents shall maximize the use of CD, computed database.

All equipment shall be duly traced with reference to initial supplier identification reference (IC) – weld log book – certificates etc.

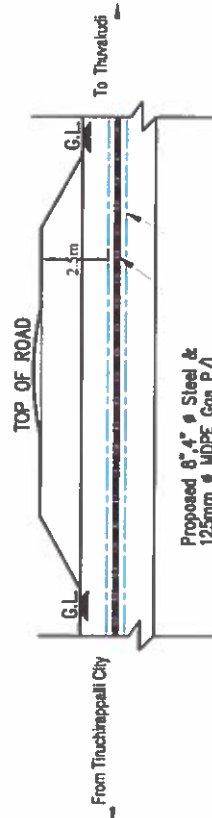
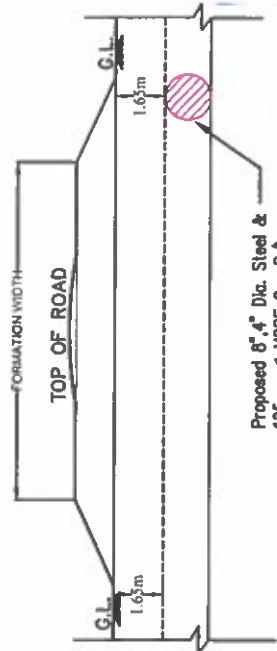
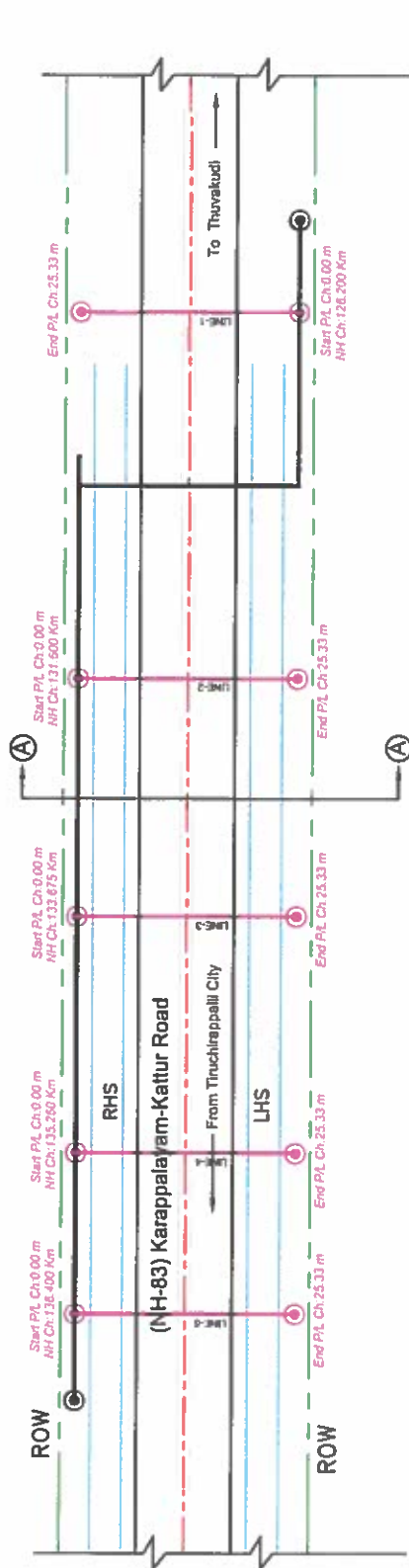




TCS-01

## LAYING 8"/4" Steel & 125mm Ø MDPE GAS PIPELINE ACROSS NH-83 (Karappalayam-Kattur) (Trichy-Thanjavur)

- 1) Across At Ch:126+200 Km Km & P/L CHAINAGE FROM 0.00 m TO 25.33 m (Proposed 4" Ø Steel Gas P/L) Line-1
- 2) Across At Ch:131+600 Km Km & P/L CHAINAGE FROM 0.00 m TO 25.33 m (Proposed 125mm MDPE Gas P/L) Line-2
- 3) Across At Ch:133+675 Km Km & P/L CHAINAGE FROM 0.00 m TO 25.33 m (Proposed 125mm MDPE Gas P/L) Line-3
- 4) Across At Ch:135+260 Km Km & P/L CHAINAGE FROM 0.00 m TO 25.33 m (Proposed 4" Ø Steel & 125mm Ø MDPE Gas P/L) Line-4
- 5) Across At Ch:136+400 Km Km & P/L CHAINAGE FROM 0.00 m TO 25.33 m (Proposed 8" Ø Steel & 125mm Ø MDPE Gas P/L) Line-5



Legend:-

- CENTER LINE
- ROW
- PROPOSED GAS P/L
- SERVICE ROAD

SECTION A-A

MANAGER (TECH)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

PIU-THANJAVUR

SECTION A-A

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

N.T.S.

## NAME OF PROJECT:-

PROPOSED 8",4" Ø Steel & 125 MM Ø MDPE GAS P/L  
FROM THIRUVERUMBUR TO TIRUCHIRAPPALLI CITY CONNECTIVITY

## IRM ENERGY LIMITED

4th Floor, 8th Block,  
Magnet Corporate Park,  
Near Sola Bridge, S.G Highway, Thaltej  
Ahmedabad - 380054

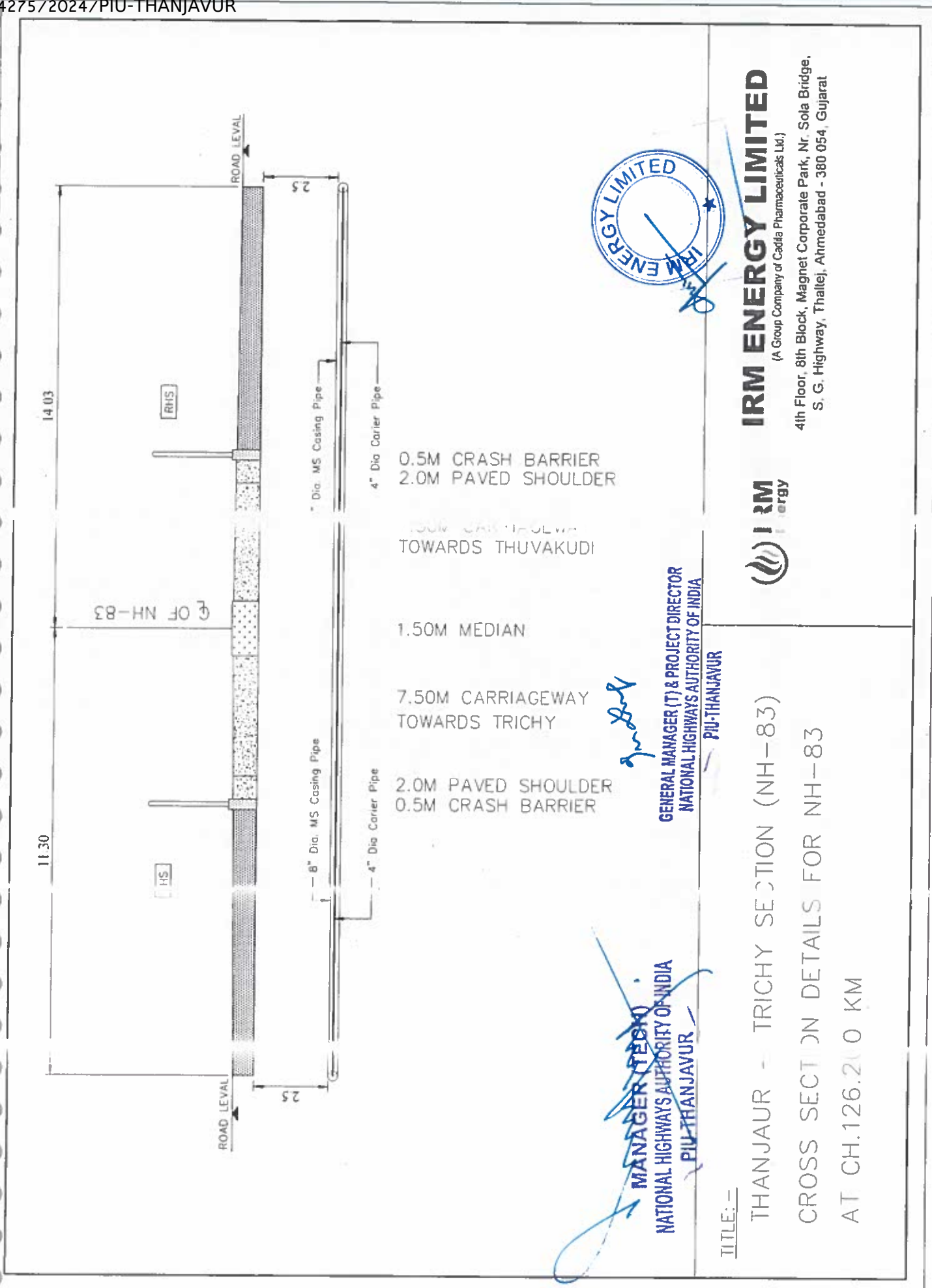
# LAYING GAS PIPELINE ACROSS NH-83

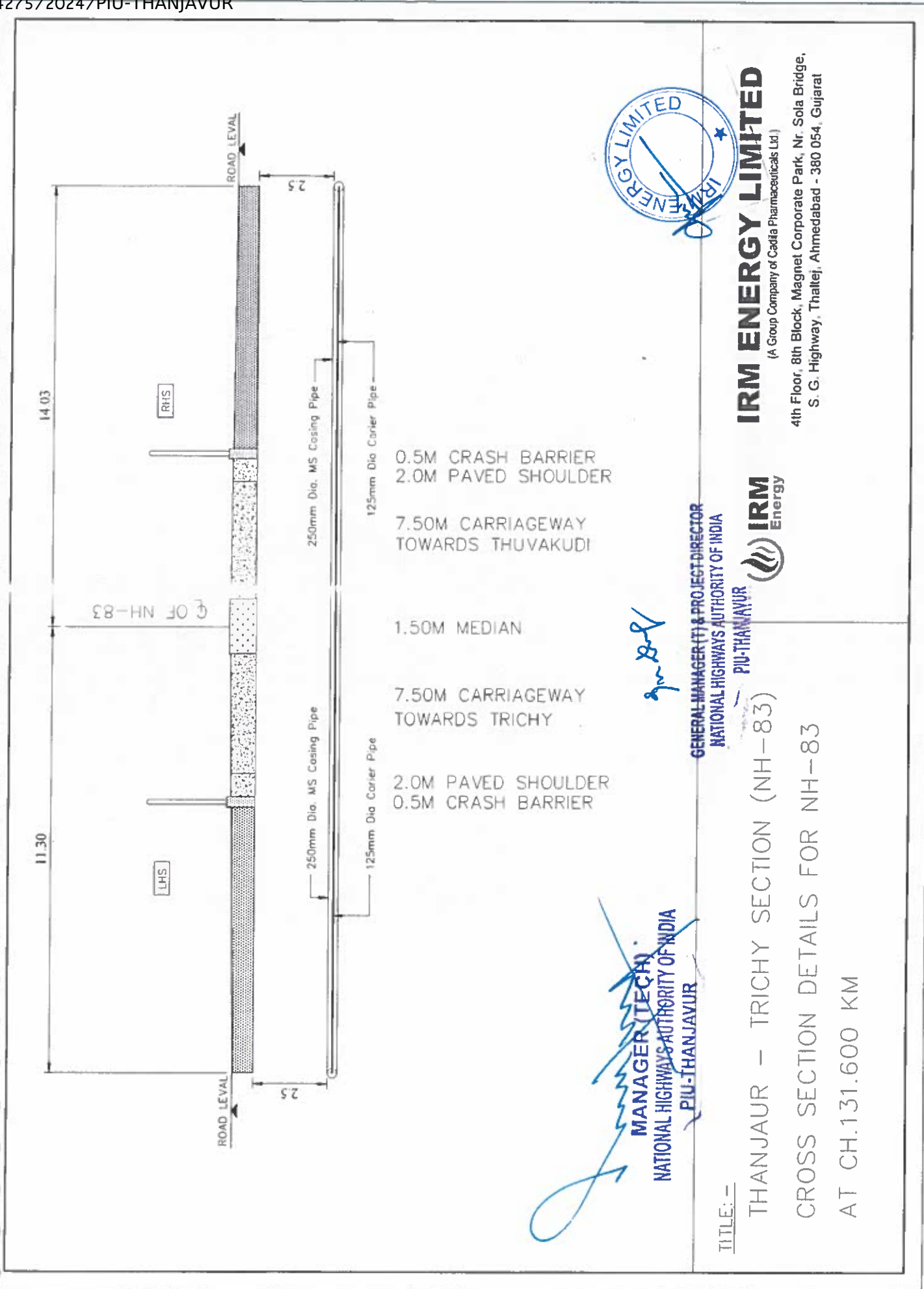


**GENERAL MANAGER (T) & PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA**

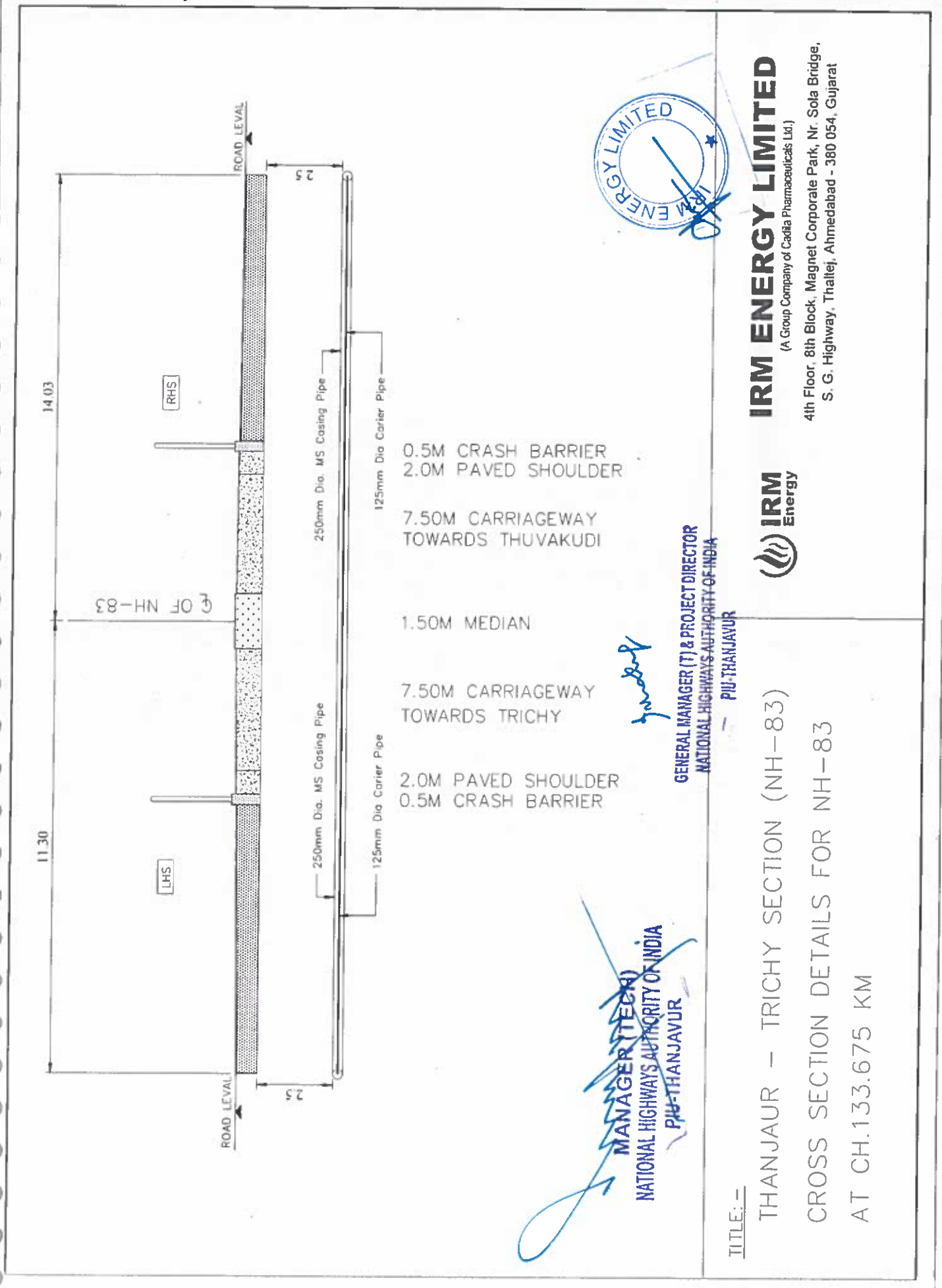
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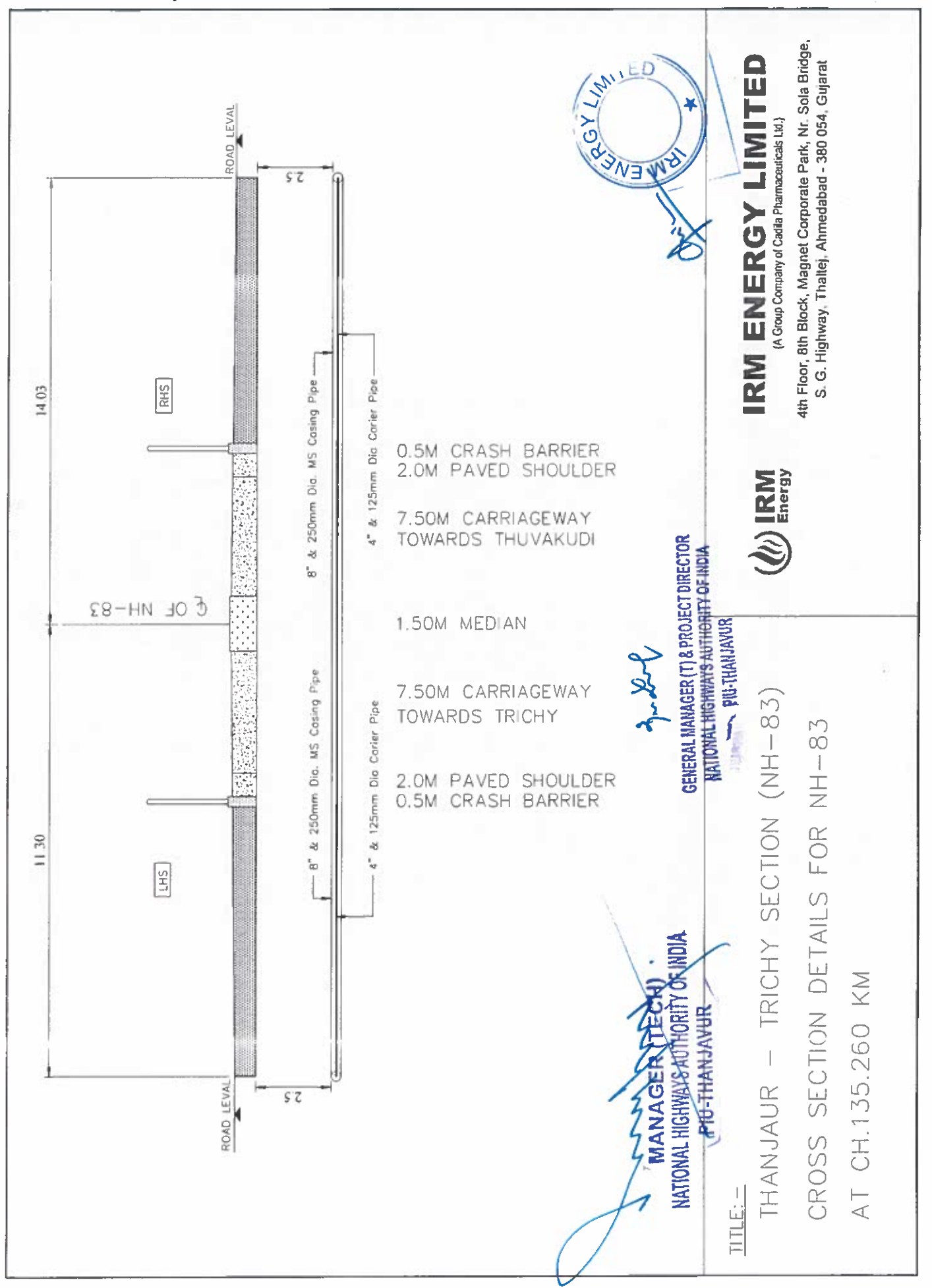


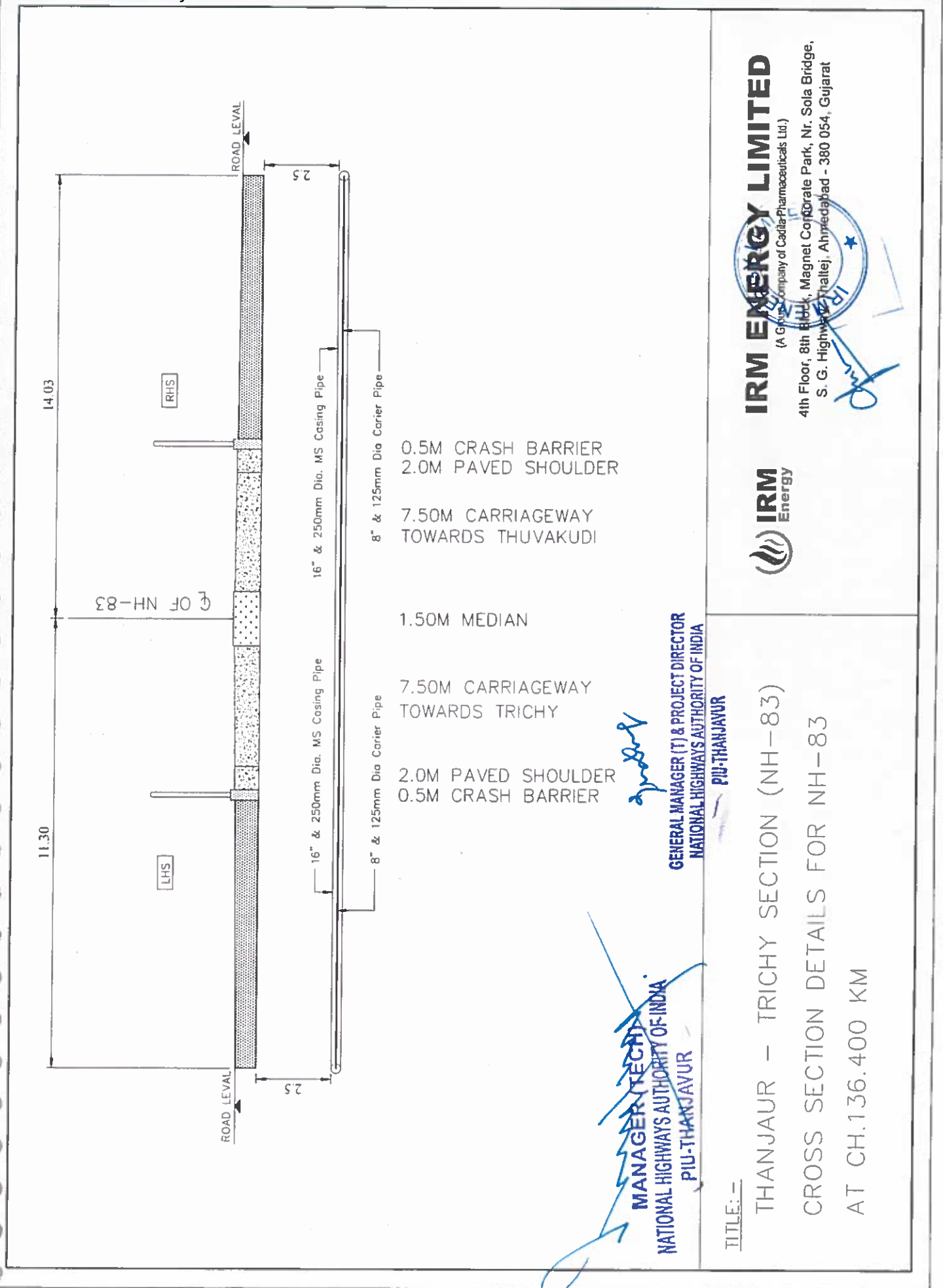




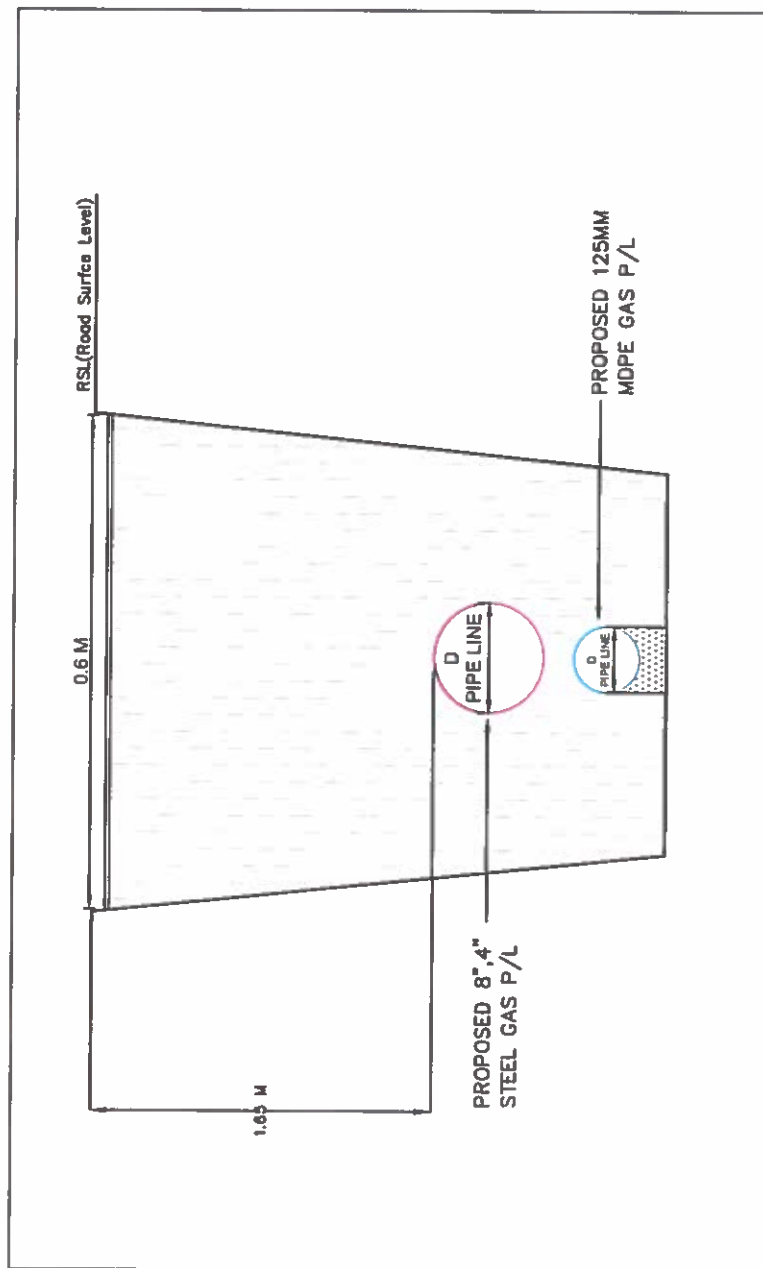








## TYPICAL TRENCH DETAILS OF PIPELINE FOR ALONG THE ROAD BY OPEN CUT METHOD

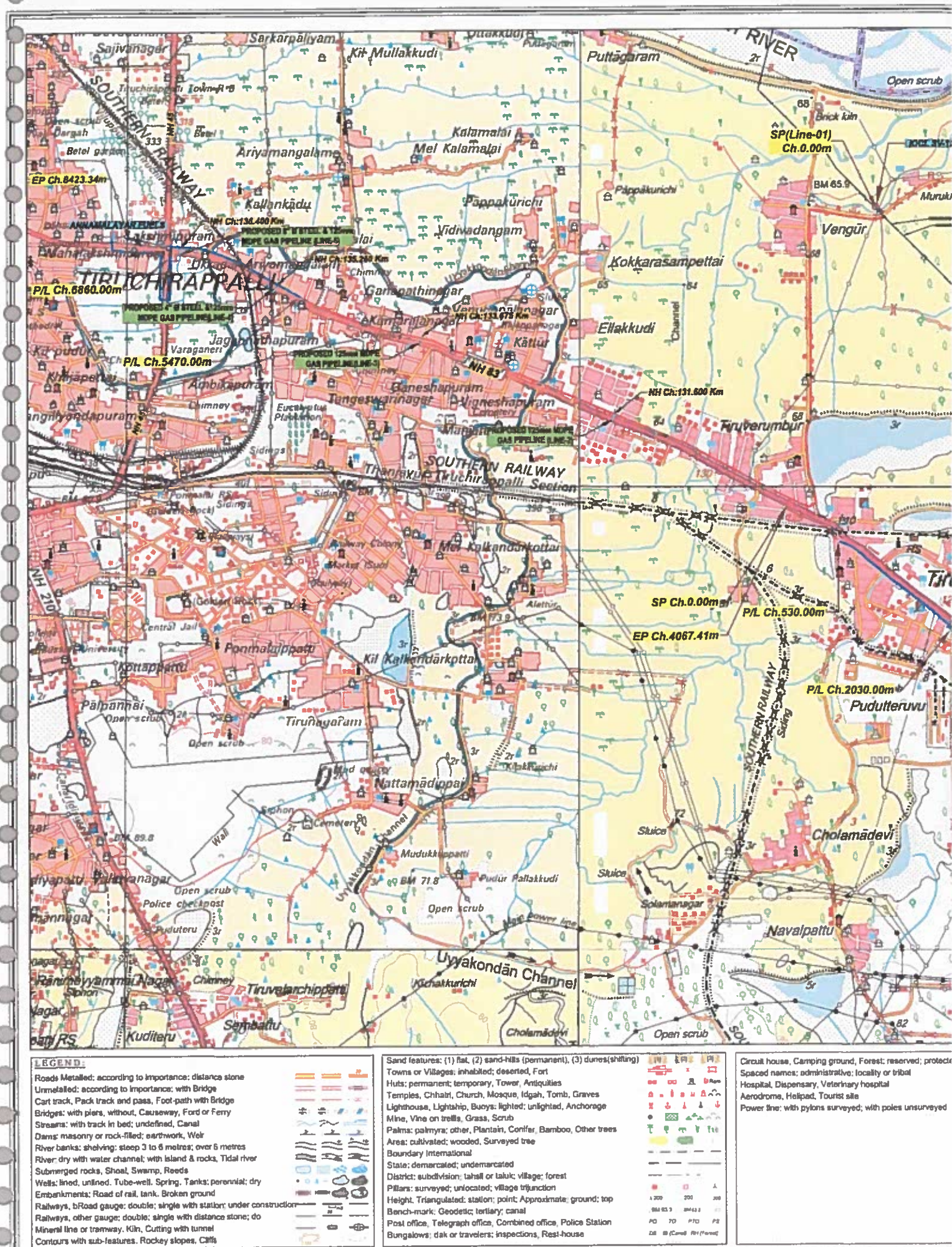


*quar*  
GENERAL MANAGER (T) & PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR

*[Signature]*  
MANAGER (TECH),  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-THANJAVUR

N.T.S.







## IRM ENERGY LIMITED

(Formerly known as IRM Energy Private Limited)



AT A MEETING OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS  
OF IRM ENERGY LIMITED AT THEIR MEETING HELD ON 20<sup>th</sup> DECEMBER 2023  
AT 01:30 PM AT THE REGISTERED OFFICE OF THE COMPANY AT 4<sup>th</sup> FLOOR, BLOCK B,  
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.

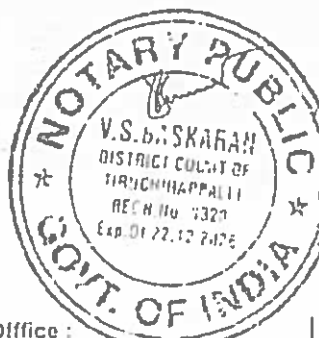
RESOLVED FURTHER THAT a copy of this Resolution duly certified by any of the Directors  
or CFO or Company Secretary of the Company be furnished to the concerned or interested  
parties/ authorities."

//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. Call. B.L.  
ADVOCATE & NOTARY PUBLIC  
GOVT. OF INDIA, REGN. NO. 1329  
BISHOP ROAD, SIVAKANTH  
1<sup>ST</sup> FLOOR, PUTHUR, TIRUCHIRAPPALLI  
CELL : 94437 66404



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

CIN : U40100GJ2015PLC085213

C 079-4903 1500  
E info@irmenergy.com  
www.irmenergy.com



**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.	Earthern 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 an 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 PRIVATE LIMITED

(A Group Company of Cadila Pharmaceuticals Ltd.)



O/o Secretary  
PNGRB

Diary No. 10685

Date 18.3.22

Date No. 3520, 6000

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

✓  
38/3  
JALAA 271  
34/3

**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.

AM (A-1)  
JALAA 271  
AC (A-1)

Dear Madam,

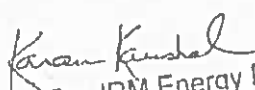
We hereby accept the terms and conditions mentioned in the authorization letter having Ref. No. PNGRB/Auth/CGD(61)/2021/11.48 dated 15/03/2022 for development of City Gas Distribution Network in the Geographical Area of Namakkal and Tiruchirappalli Districts.

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.

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





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

प्रथम-तल,वर्ल्डट्रेडसेंटर,बाबररोड,नयीदिल्ली-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  
4th 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**

Sir,

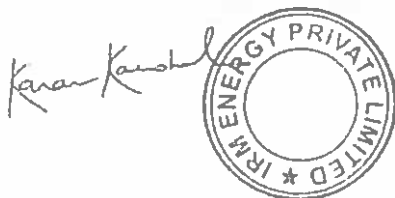
With reference to submission of Performance Bank Guarantee for Rs. 33 crore vide your letter dated 19.02.2022, as per the requirement under Regulation 10 (1) of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution 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



वन्दना शर्मा / VANDANA SHARMA  
सचिव / Secretary  
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड  
Petroleum & Natural Gas Regulatory Board  
प्रथम तल, वर्ल्ड ट्रेड सेंटर,  
1st Floor, World Trade Centre,  
बाबर रोड, नई दिल्ली-110001  
Babar Road, New Delhi-110001

Schedule D

Grant 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, Tiruchirappalli West & Tiruchirappalli East
5		Lalgudi & Manachanallur
6		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  
Managing Director  
Petroleum and Natural Gas Regulatory Board

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:

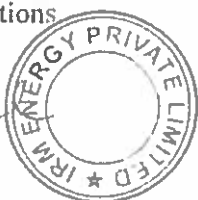
PNG Connections (cumulative)		CNG Stations (cumulative)		Inch-km of steel pipeline (cumulative)	
By the end of contract year	% of work program	By the end of contract year	% of work program	By the end of contract year	% of work program
1 <sup>st</sup>	Nil	1 <sup>st</sup>	Nil	1 <sup>st</sup>	5
2 <sup>nd</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.

Karan Kumar



Vandana Sharma.

General Manager (Technical)  
Public Utility Gas Corporation Ltd.  
4000, 4001, 4002, 4003, 4004, 4005, 4006, 4007, 4008, 4009, 4010, 4011, 4012, 4013, 4014, 4015, 4016, 4017, 4018, 4019, 4020, 4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035, 4036, 4037, 4038, 4039, 4040, 4041, 4042, 4043, 4044, 4045, 4046, 4047, 4048, 4049, 4050, 4051, 4052, 4053, 4054, 4055, 4056, 4057, 4058, 4059, 4060, 4061, 4062, 4063, 4064, 4065, 4066, 4067, 4068, 4069, 4070, 4071, 4072, 4073, 4074, 4075, 4076, 4077, 4078, 4079, 4080, 4081, 4082, 4083, 4084, 4085, 4086, 4087, 4088, 4089, 4090, 4091, 4092, 4093, 4094, 4095, 4096, 4097, 4098, 4099, 4100, 4101, 4102, 4103, 4104, 4105, 4106, 4107, 4108, 4109, 4110, 4111, 4112, 4113, 4114, 4115, 4116, 4117, 4118, 4119, 4120, 4121, 4122, 4123, 4124, 4125, 4126, 4127, 4128, 4129, 4130, 4131, 4132, 4133, 4134, 4135, 4136, 4137, 4138, 4139, 4140, 4141, 4142, 4143, 4144, 4145, 4146, 4147, 4148, 4149, 4150, 4151, 4152, 4153, 4154, 4155, 4156, 4157, 4158, 4159, 4160, 4161, 4162, 4163, 4164, 4165, 4166, 4167, 4168, 4169, 4170, 4171, 4172, 4173, 4174, 4175, 4176, 4177, 4178, 4179, 4180, 4181, 4182, 4183, 4184, 4185, 4186, 4187, 4188, 4189, 4190, 4191, 4192, 4193, 4194, 4195, 4196, 4197, 4198, 4199, 4200, 4201, 4202, 4203, 4204, 4205, 4206, 4207, 4208, 4209, 4210, 4211, 4212, 4213, 4214, 4215, 4216, 4217, 4218, 4219, 4220, 4221, 4222, 4223, 4224, 4225, 4226, 4227, 4228, 4229, 4230, 4231, 4232, 4233, 4234, 4235, 4236, 4237, 4238, 4239, 4240, 4241, 4242, 4243, 4244, 4245, 4246, 4247, 4248, 4249, 4250, 4251, 4252, 4253, 4254, 4255, 4256, 4257, 4258, 4259, 4260, 4261, 4262, 4263, 4264, 4265, 4266, 4267, 4268, 4269, 4270, 4271, 4272, 4273, 4274, 4275, 4276, 4277, 4278, 4279, 4280, 4281, 4282, 4283, 4284, 4285, 4286, 4287, 4288, 4289, 4290, 4291, 4292, 4293, 4294, 4295, 4296, 4297, 4298, 4299, 4300, 4301, 4302, 4303, 4304, 4305, 4306, 4307, 4308, 4309, 4310, 4311, 4312, 4313, 4314, 4315, 4316, 4317, 4318, 4319, 4320, 4321, 4322, 4323, 4324, 4325, 4326, 4327, 4328, 4329, 4330, 4331, 4332, 4333, 4334, 4335, 4336, 4337, 4338, 4339, 4340, 4341, 4342, 4343, 4344, 4345, 4346, 4347, 4348, 4349, 4350, 4351, 4352, 4353, 4354, 4355, 4356, 4357, 4358, 4359, 4360, 4361, 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369, 4370, 4371, 4372, 4373, 4374, 4375, 4376, 4377, 4378, 4379, 4380, 4381, 4382, 4383, 4384, 4385, 4386, 4387, 4388, 4389, 4390, 4391, 4392, 4393, 4394, 4395, 4396, 4397, 4398, 4399, 4400, 4401, 4402, 4403, 4404, 4405, 4406, 4407, 4408, 4409, 4410, 4411, 4412, 4413, 4414, 4415, 4416, 4417, 4418, 4419, 4420, 4421, 4422, 4423, 4424, 4425, 4426, 4427, 4428, 4429, 4430, 4431, 4432, 4433, 4434, 4435, 4436, 4437, 4438, 4439, 4440, 4441, 4442, 4443, 4444, 4445, 4446, 4447, 4448, 4449, 4450, 4451, 4452, 4453, 4454, 4455, 4456, 4457, 4458, 4459, 4460, 4461, 4462, 4463, 4464, 4465, 4466, 4467, 4468, 4469, 4470, 4471, 4472, 4473, 4474, 4475, 4476, 4477, 4478, 4479, 4480, 4481, 4482, 4483, 4484, 4485, 4486, 4487, 4488, 4489, 4490, 4491, 4492, 4493, 4494, 4495, 4496, 4497, 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4664, 4665, 4666, 4667, 4668, 4669, 4670, 4671, 4672, 4673, 4674, 4675, 4676, 4677, 4678, 4679, 4680, 4681, 4682, 4683, 4684, 4685, 4686, 4687, 4688, 4689, 4690, 4691, 4692, 4693, 4694, 4695, 4696, 4697, 4698, 4699, 4700, 4701, 4702, 4703, 4704, 4705, 4706, 4707, 4708, 4709, 4710, 4711, 4712, 4713, 4714, 4715, 4716, 4717, 4718, 4719, 4720, 4721, 4722, 4723, 4724, 4725, 4726, 4727, 4728, 4729, 4730, 4731, 4732, 4733, 4734, 4735, 4736, 4737, 4738, 4739, 4740, 4741, 4742, 4743, 4744, 4745, 4746, 4747, 4748, 4749, 4750, 4751, 4752, 4753, 4754, 4755, 4756, 4757, 4758, 4759, 4760, 4761, 4762, 4763, 4764, 4765, 4766, 4767, 4768, 4769, 4770, 4771, 4772, 4773, 4774, 4775, 4776, 4777, 4778, 4779, 4780, 4781, 4782, 4783, 4784, 4785, 4786, 4787, 4788, 4789, 4790, 4791, 4792, 4793, 4794, 4795, 4796, 4797, 4798, 4799, 4800, 4801, 4802, 4803, 4804, 4805, 4806, 4807, 4808, 4809, 4810, 4811, 4812, 4813, 4814, 4815, 4816, 4817, 4818, 4819, 4820, 4821, 4822, 4823, 4824, 4825, 4826, 4827, 4828, 4829, 4830, 4831, 4832, 4833, 4834, 4835, 4836, 4837, 4838, 4839, 4840, 4841, 4842, 4843, 4844, 4845, 4846, 4847, 4848, 4849, 4850, 4851, 4852, 4853, 4854, 4855, 4856, 4857, 4858, 4859, 4860, 4861, 4862, 4863, 4864, 4865, 4866, 4867, 4868, 4869, 4870, 4871, 4872, 4873, 4874, 4875, 4876, 4877, 4878, 4879, 4880, 4881, 4882, 4883, 4884, 4885, 4886, 4887, 4888, 4889, 4890, 4891, 4892, 4893, 4894, 4895, 4896, 4897, 4898, 4899, 4900, 4901, 4902, 4903, 4904, 4905, 4906, 4907, 4908, 4909, 4910, 4911, 4912, 4913, 4914, 4915, 4916, 4917, 4918, 4919, 4920, 4921, 4922, 4923, 4924, 4925, 4926, 4927, 4928, 4929, 4930, 4931, 4932, 4933, 4934, 4935, 4936, 4937, 4938, 4939, 4940, 4941, 4942, 4943, 4944, 4945, 4946, 4947, 4948, 4949, 4950, 4951, 4952, 4953, 4954, 4955, 4956, 4957, 4958, 4959, 4960, 4961, 4962, 4963, 4964, 4965, 4966, 4967, 4968, 4969, 4970, 4971, 4972, 4973, 4974, 4975, 4976, 4977, 4978, 4979, 4980, 4981, 4982, 4983, 4984, 4985, 4986, 4987, 4988, 4989, 4990, 4991, 4992, 4993, 4994, 4995, 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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 adjusted by allowing a credit to the domestic PNG Customer in the next billing cycle or in the next pre-paid smart card in case of smart card metering.

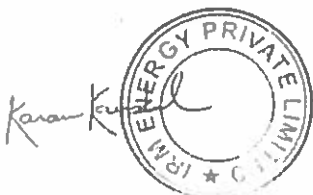
In case the disruption of supplies is attributed to any fault of the domestic PNG customer, no compensation shall be payable by the entity.

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.



*Vandana Sharma*  
Vandana Sharma  
Sole Proprietor  
IPRM Energy Private Limited  
10/10, 10th Floor, 10th Cross, 10th Main Road,  
10th Cross, 10th Main Road, 10th Cross,  
10th Cross, 10th Main Road, 10th Cross,  
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- ENERGY PRIVATE LIMITED

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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

वन्दना शर्मा / VANDANA SHARMA  
अधीक्षक, पेट्रोलियम और प्राकृतिक गैस नियंत्रण बोर्ड  
Petroleum & Natural Gas Regulatory Board  
1st Floor, World Trade Centre,  
Babar Road, New Delhi-110001

**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.

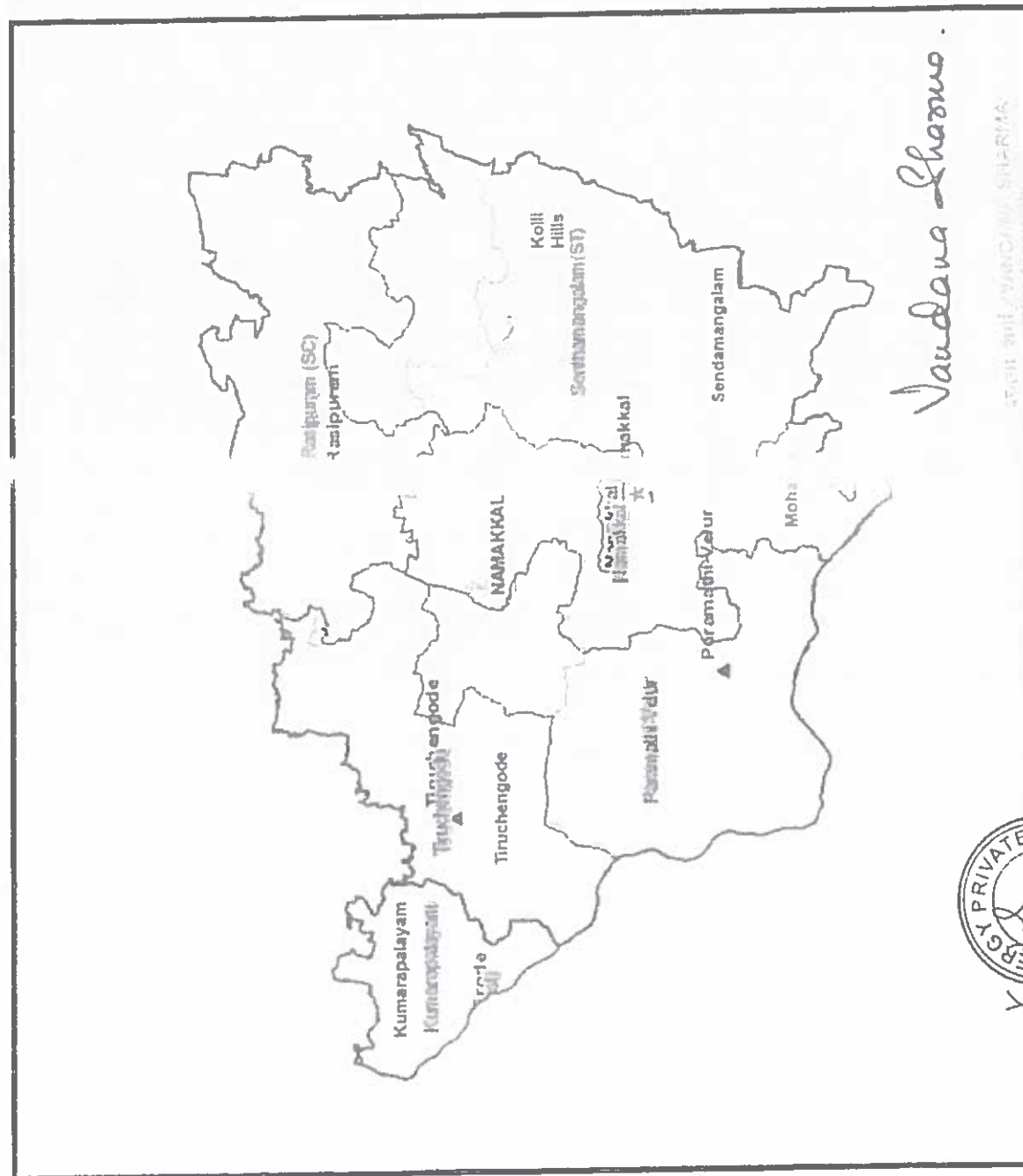
Date: 25th March 2022

Place: Ahmedabad

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 : <a href="https://statgisportal.nic.in/statgisportal/Tamilnadu_BharatMaps/map.aspx">https://statgisportal.nic.in/statgisportal/Tamilnadu_BharatMaps/map.aspx</a>	



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, Srirangam, Thiruverumbur, Tiruchirappalli West & Tiruchirappalli East
5	Lalgudi & Manachanallur
6	Musiri, Thottiyam & Thuraiyur

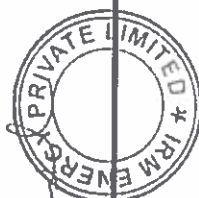
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Vandana Sharma



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