



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-AMR/NH-16/C-V/NOC/2024/3219

Dt.12.11.2024

To

The Sr. Technical Director,  
NIC, Transport Bhawan,  
New Delhi- 110001.

**Sub:** NHAI, RO - Vijayawada - 6 laning of Chilakaluripet - Vijayawada section of NH-16 - M/s.IOCL - Permission for laying of 4" dia. carbon steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 (LHS) and from Km.431+030 to Km.435+233 (RHS) with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) and 125mm MDPE pipe along with 40mm HDPE duct for OFC on Chilakaluripet - Vijayawada section of NH-16 in the State of Andhra Pradesh - **Public comments - Reg.**

\*\*\*\*\*

Sir,

Please find enclosed herewith a proposal submitted by M/s. IOCL for laying of 4" dia. carbon steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 (LHS) and from Km.431+030 to Km.435+233 (RHS) with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) and 125mm MDPE pipe along with 40mm HDPE duct for OFC on Chilakaluripet - Vijayawada section of NH-16 in the State of Andhra Pradesh.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22<sup>nd</sup> November 2016, the application along with the recommendations of PD, PIU- Amaravati & notice inviting public comments are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest), for taking further necessary action.

Yours faithfully,

Encl: As above

(R.K. Singh, IES),  
CGM (Tech.) & Regional Officer

**Copy to:**

- (i) PD, PIU - Amaravati
- (ii) Senior Manager, IOCL



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-AMR/NH-16/C-V/NOC/2024/ 3220

Dt.12.11.2024

### INVITATION OF PUBLIC COMMENTS

**Sub:** NHAI, RO - Vijayawada - 6 laning of Chilakaluripet - Vijayawada section of NH-16 - M/s.IOCL - Permission for laying of 4" dia. carbon steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 (LHS) and from Km.431+030 to Km.435+233 (RHS) with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) and 125mm MDPE pipe along with 40mm HDPE duct for OFC on Chilakaluripet - Vijayawada section of NH-16 in the State of Andhra Pradesh - **Public comments - Reg.**

\*\*\*\*\*

The Project Director, PIU - Amaravati submitted a proposal of M/s. IOCL for laying of 4" dia. carbon steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 (LHS) and from Km.431+030 to Km.435+233 (RHS) with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) and 125mm MDPE pipe along with 40mm HDPE duct for OFC on Chilakaluripet - Vijayawada section of NH-16 in the State of Andhra Pradesh.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22<sup>nd</sup> November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,  
National Highways Authority of India,  
Regional Office, Dr. No.41-29-45A, R. S. No.373/2A  
Near Kodandaramalayam, Chalasani Nagar,  
Ranigarithota, Krishnalanka, Vijayawada - 520 013.  
Email: [rovijayawada@nhai.org](mailto:rovijayawada@nhai.org)

(R.K. Singh, IES),  
CGM (Tech.) & Regional Officer



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

प.क.ई. अमरावती (आ.प्र.) 136ए, 106&107, वसन्ता रेसिडेंसी,

श्री लक्ष्मी नरसिम्ह स्वामी कॉलोनी, मंगलगिरी, आ.प्र. - 522 503

PIU-Amaravati(AP), 136A, 106&107, Vasantha Residency,

Sri Lakshmi Narasimha Swamy Colony, Mangalagiri, A.P. - 522 503.

टेली / Tele : 08645 - 234599 ई-मेल / E-mail : piuamaravati@nhai.org / nhaipiuamaravati@gmail.com

वेब / web : www.nhai.gov.in



NHAI/PIU-Amaravati/11013/13(CGD)/2023/Vol.1/1572

1<sup>st</sup> November, 2024

To

The CGM(T) & Regional Officer,  
National Highways Authority of India  
Door No.41-29-45A, R.S.No.373/2A  
Near Kodandaramalayam  
Chalasani Nagar, Ranigarithota  
Krishnalanka  
Vijayawada - 520 013

Sir,

Sub: NHAI, PIU - Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-5 - M/s.IOCL - Permission for laying of steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16 - Approval Requested - Reg.

- Ref: 1. M/s IOCL letter no. SERPL/CGD/GNT/NHAI/09 dated 28.10.2023  
2. PIU Ir.No. NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/1997 dated 06.11.2023  
3. IE Ir.No. MSV\_SriInfotech/103/KAZA/2023/NHAI/1137 dt.25.11.2023  
4. Concessionaire, M/s VTPL Ir. No. VTPL/CH-VJ/NH-5/NHAI/2023/3305 dated 12.12.2023  
5. PIU Ir. no. NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/2130 dated 29.11.2023  
6. M/s IOCL Ir. no. SERPL/CGD/GNT/NHAI/15 dated 25.09.2024

\*\*\*\*\*

It is to inform that M/s IOCL vide reference 1<sup>st</sup> & 6<sup>th</sup> cited, requested permission for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16 duly citing the MOU signed between M/s IOCL and NHAI on 07.06.2022 for laying of gas/petroleum pipeline(s) along and across National Highways Corridors and vice versa.

2. The above proposal was forwarded to IE, M/s MSV Intl. Inc. in association with M/s Sri Infotech, with a request to examine the proposal, with reference to site and MOU signed between M/s IOCL and NHAI on 07.06.2022 and furnish necessary comments/recommendations for taking further action.

3. Accordingly, IE, MSV Intl. Inc. In association with M/s Sri Infotech vide reference 3<sup>rd</sup> cited submitted that IE has reviewed the proposal with reference to site and MOU signed between M/s IOCL and NHAI on 07.06.2022 and the observations of IE are as follows:

1. The applicant has submitted Checklist for laying a 4" dia Carbon steel pipeline (API 5L x 52 grade, 0.25" wall thickness) & 125mm MDPE pipeline along with 40mm HDPE duct for OFC cable along the National Highway from Km.430+630 to

Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030.

The information furnished in the checklist is satisfying all the conditions of the Ministry guidelines vide F.No. RW-NH-33044/29/2015/S&R(R) dated 22.11.2016

II. The applicant has submitted following undertakings:

1. To take responsibility for the safety of all other underground facilities, such as electric lines, pipe of water supply and gas sewage lines etc., during trenching.
2. To inform the concerned officer of NHAI appointed at least 15 days in advance before starting of work.
3. To obtain prior permission in writing to the concerned officer of NHAI to undertake any work of shifting, repairs or alteration to the laid pipeline by Indian Oil Corporation Limited, Pipeline Division, City Gas Distribution, Guntur.
4. NHAI shall not be responsible for any damage caused to the underground R-LNG pipeline or by any activity of NHAI of the permitted highway. The parties are agreed that the Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Guntur is laying an underground LNG pipeline across the permitted highway at its own cost.
5. To make good excavated trench for laying underground R-LNG pipeline by proper filling and compaction, so as to restore the land in the same condition as it was before digging trench and shall clear the debris/loose earth produced from the executed of trenching to the satisfaction of NHAI.
6. If any accident occurs during the execution or completion of work by the agency, the complete responsibility lies with the head or agency.
7. To abide by the directions of the concerned officer of NHAI appointed in accordance with the National Highways Act 1956 and rules in force. Also, IOCL shall conform to all standard condition of NHAI's guidelines and ministry circular.
8. To relocate service/approach road/ utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI.
9. Not to damage to other utility, if damages, then to pay losses either to NHAI or to the concerned utility agency.
10. Indemnify NHAI against all damages and claims.
11. If any claim is raised by the Concessionaire, then the same has to be paid by the applicant.
12. To bear the expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the underground R-LNG pipeline will be borne by the agency owning the line.

13. If the NHAI considers it is 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
14. Laying of underground R-LNG pipeline will not have deleterious effects of any of the bridge components and roadway safety for traffic.
15. To relocate service/approach road/ utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.
16. All the restoration work will be carried out by Indian Oil Corporation Limited, South Eastern Region Pipelines, City Gas Distribution and Guntur up to the satisfaction of NHAI.
17. The licensee shall make their own arrangement for crossing of cross drainage structures, rivers, etc., below the bed. In case this is not feasible, the utility services may be carried outside the railings/parapets and the bridge structure. The fixing and supporting arrangement with all the details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account for fixing and supporting arrangement as assessed by the authority shall be payable by the licensee.
18. To manage traffic movement during laying of Natural Gas Pipeline.
19. To pay necessary fees/rent including Bank Guarantee as and when required by NHAI as per their circular No. 33044/29/2015/S&R(R) dated 22.11.2016 without any delay.
20. To restore any damaged portion of NHAI service road as per existing crust thickness i.e., Sub Grade 500MM, GSB 150MM, WMM 250MM, DBM 50MM & BC 30MM.

III. As per the plans submitted, the applicant has proposed to lay 4" Carbon steel pipeline and 125mm MDPE pipe along with 40mm HDPE duct for public utility along the service road from Km. 430+630 to Km.431+030 LHS and from Km.431+030 to Km. to Km.415+300 on RHS, & from Km.416+030 to Km.416+120 on LHS with crossings at Km.415+300 & Km.411+400 by Horizontal Directional Drilling method at the edge of ROW.

IV. Applicant has submitted methodologies for laying of 4" dia Carbon steel pipe line along with 40mm HDPE Duct for OFC cable with open trenching method and HDD method along the National Highway and are found in order.

7. While submitting the above, IE recommended the proposal of IOCL to lay 4" dia Carbon steel pipeline and 125mm MDPE pipe along with 40mm HDPE duct along the NH-16 ROW as requested by the applicant.

8. The proposal has been examined in this office and PIU vide reference 5<sup>th</sup> cited communicated the following observations to M/s IOCL and requested to submit compliance:



- i. The applicant has proposed to lay 4" dia carbon steel pipeline along with 125mm MDPE pipeline and 40mm HDPE OFC duct, whereas in the submitted typical cross section for open trench method 12.75" dia steel pipe line with 100mm MDPE and 100mm HDPE OFC duct is shown and the same may be clarified.
  - ii. The applicant has not submitted cross section for HDD methodology as per site condition.
9. The compliance submitted by M/s IOCL has been examined in this office and found to be in order.
10. M/s IOCL has submitted calculation for Performance Bank Guarantee for Rs. 4,70,300/- at a rate of Rs.100/- per metre and the same is in accordance with MoRTH guidelines
11. As per point no. III 2(b) of MOU dated 07.06.2022 NHAI shall not levy any charges from IOCL for laying of gas pipeline.
12. The applicant has furnished a copy of authorization letter issued by Petroleum and Natural Gas Regulatory Board for Kurnool, Guntur and Prakasam District vide letter no. PNGRB/Auth/CGD(14)/2021/11.01 dated 15.03.2022.
13. Further, it is to submit that the location falls under Chilakaluripet-Vijayawada section of NH-16 and the BoT(Toll) Concession period was completed on 21.07.2024. Hence, objections of the Concessionaire are not required.
14. The proposal of laying of steel pipeline for Public Utility - "City Gas Distribution" has been examined in this office along with the comments of IE and found to be in line with guidelines issued vide MoRTH Circular dated 22.11.2016 and MOU signed between M/s IOCL and NHAI on 07.06.2022.

In light of the above, the proposal along with the copies of all the above mentioned documents are herewith submitted with a request to communicate the approval of the Competent Authority for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16 in the state of Andhra Pradesh.

Yours faithfully,

Encl: As above.

T. Parvateesam 2/11/2024  
(T PARVATEESAM)  
Project Director

### CERTIFICATE

1. The proposal of the applicant for laying of Steel Pipeline (for City Gas Distribution) has been examined and confirmed that all the standard conditions are satisfied as per guidelines of Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
2. It is certified that any other location for utility line would be extremely difficult and unreasonably costly and installation of utility line within RoW will neither adversely affect the design, stability & traffic safety of highway nor the likely future improvement such as widening of the carriageway, easing of curve, etc.
3. It will be ensured that supervision of the work of laying of utility and ensured that the defects in road portion after laying of utility are corrected.
4. It will be notified /forfeit the Bank Guarantee for claims for damages done/disruption in working, if any.
5. It will be ensured that proposed permission is entered in the register of records.

*T. Parvateesam 11/11/2024*  
(T PARVATEESAM)  
Project Director  
NHAI, PIU-Amaravati(AP)



# इंडियन ऑयल कॉर्पोरेशन लिमिटेड

सिटी गैस वितरण, द्वार संख्या: 3-14-59,  
पहली मंजिल, पहली लेन, पट्टाभिपुरम,  
गुंटूर - 522006, फ़ोन-0863 12357455

## Indian Oil Corporation Limited

City Gas Distribution, Door No: 3-14-59,  
1<sup>st</sup> Floor, 1<sup>st</sup> Lane, Pattabhipuram,  
Guntur - 522006, Phone-0863 12357455



पाइपलाइन्स प्रभाग  
Pipelines Division

SERPL/CGD/GNT/NHAI/15

Date: 25.09.2024

The Project Director,  
PIU, NHAI Amaravati.

**Subject:** Permission for laying of steel pipeline for Public Utility- "City Gas Distribution" along the NH-16 from Km 430+630 to Km431+030 LHS and from Km 431+030 to Km.435+223 RHS with crossing at Km 4331+030 for total length of 4703m ( 4603 m along and 100m crossing) on Chilakaluripet- Vijayawada section of NH-16 - **Reply for observations - Reg**

### References:

1. Our letter no SERPL/CGD/GNT/NHAI/09 dated 28.10.2023
2. Your letter NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/2130 dated 29.11.2023

Respected Sir,

At the outset we extend our sincere thanks to PIU-Amaravati for providing full support to develop City Gas Distribution - along NH-16 & Vijayawada Bypass (Package-IV) in the state of Andhra Pradesh.

Vide letter as per reference 2, we were advised to submit compliance for the observations. Following points are complied and annexure attached.

1. Typical cross-section for open trench method for steel pipeline is attached as Annexure-1
2. HDD drawing attached for crossing location in Annexure-2.
3. Revised estimate copy attached as Annexure-3

Contractor has now been lined up to execute works in this stretch. So, till now we kept this application on hold from IOCL side. Now we are in requirement of permission for laying our 4" pipeline and MDPE pipelines in this stretch.

We committed to MoPNG for developing a robust City gas distribution network in the Guntur district and serving the public. This will be possible only with your continuous support and cooperation.

NHAI, PIU-AMARAVATI-(AP)			
Dy. No.	4124		
Date:	26-09-2024		
PD	for NHAI		
Mgr		Dy. Mgr.	
PA		SE-1	✓
SE-2		SE-3	
SE-4		Acctt.	
DLO		LAO	

Thanking you,

Yours faithfully,  
(J Anil Kumar)  
Senior Manager (CGD),  
SERPL Guntur.  
J. ANIL KUMAR  
Senior Manager, Guntur GA  
CITY GAS DISTRIBUTION PROJECT  
INDIAN OIL CORPORATION LTD.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

प.क.ई. अमरावती (ऑ.प्र.) 136ए, 106&107, वसन्ता रेसिडेंसी,

श्री लक्ष्मी नरसिम्ह स्वामी कॉलनी, मंगलगिरी, ऑ.प्र. - 522 503

PIU-Amaravati(AP), 136A, 106&107, Vasantha Residency,

Sri Lakshmi Narasimha Swamy Colony, Mangalagiri, A.P. - 522 503.

टेली / Tele : 08645 - 234599 ई-मेल / E-mail : piuamaravati@nhai.org / nhaipiuamaravati@gmail.com

वेब / web : www.nhai.gov.in



NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/2130

29<sup>th</sup> November, 2023

To  
Senior Manager, Guntur GA,  
City Gas Distribution Project,  
M/s Indian Oil Corporation Ltd.,  
CGD, Door No. 3-14-59, 1<sup>st</sup> Floor,  
Above KVB Bank, 1<sup>st</sup> Lane,  
Pattabhipuram, Guntur - 522 006

Sir,

Sub: 6 laning of Chilakaluripet - Vijayawada section of NH-5 - M/s IOCL - Permission for laying of steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16 - Observations - Reg.

Ref: 1. M/s IOCL letter no. SERPL/CGD/GNT/NHAI/09 dated 28.10.2023  
2. PIU Ir.No. NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/1997 dated 06.11.2023  
3. IE Ir.No. MSV\_SriInfotech/103/KAZA/2023/NHAI/1137 dt.25.11.2023

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Please refer to your letter under reference 1<sup>st</sup> cited, requesting therewith permission for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16.

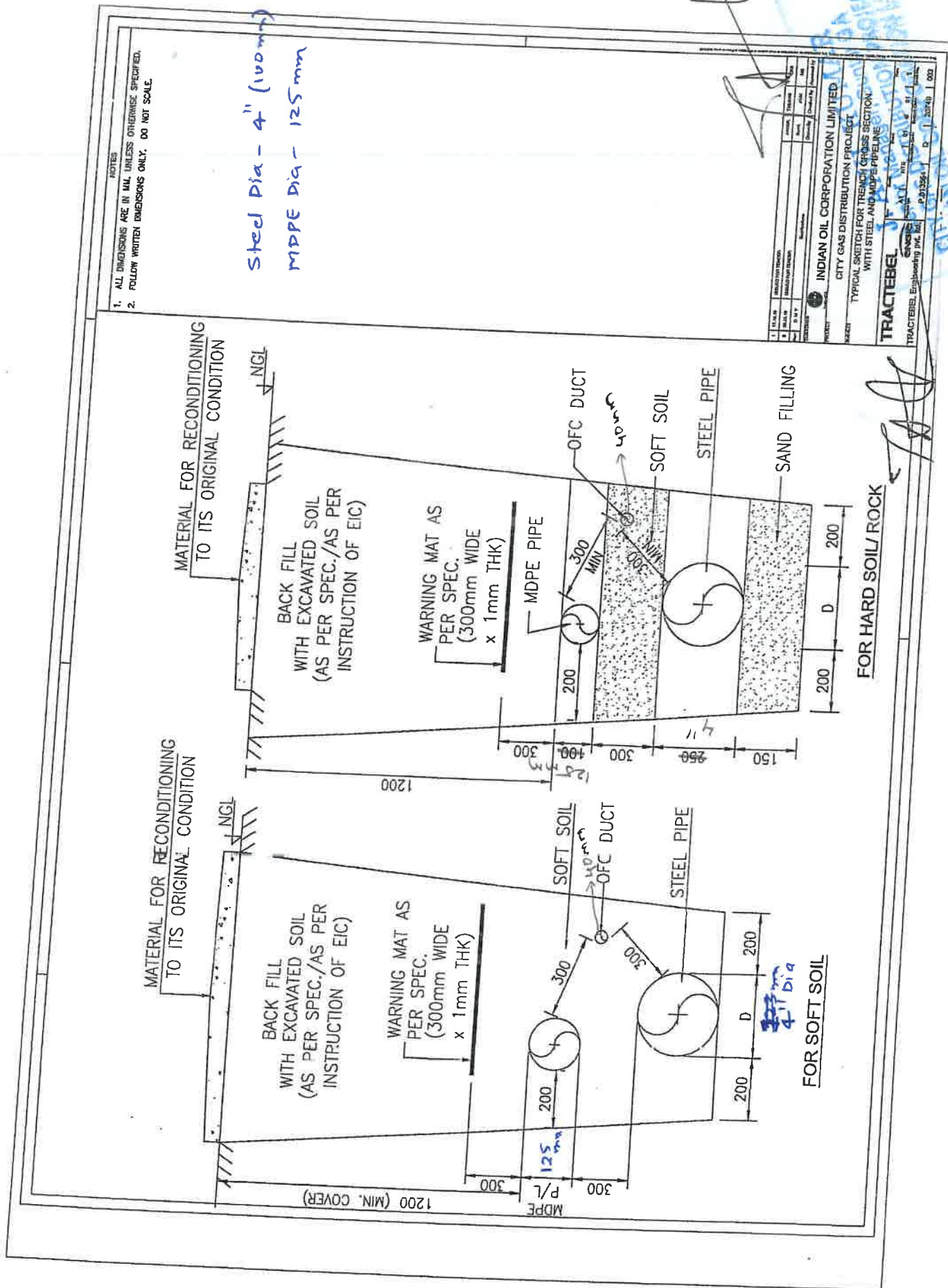
The proposal has been examined and following observations are noted:

- The applicant has proposed to lay 4" dia carbon steel pipeline along with 125mm MDPE pipeline and 40mm HDPE OFC duct, whereas in the submitted typical cross section for open trench method 12.75" dia steel pipe line with 100mm MDPE and 100mm HDPE OFC duct is shown and the same may be clarified.
- The applicant has not submitted cross section for HDD methodology as per site condition.

It is therefore requested to submit compliance to the observations for taking further needful action in the matter.

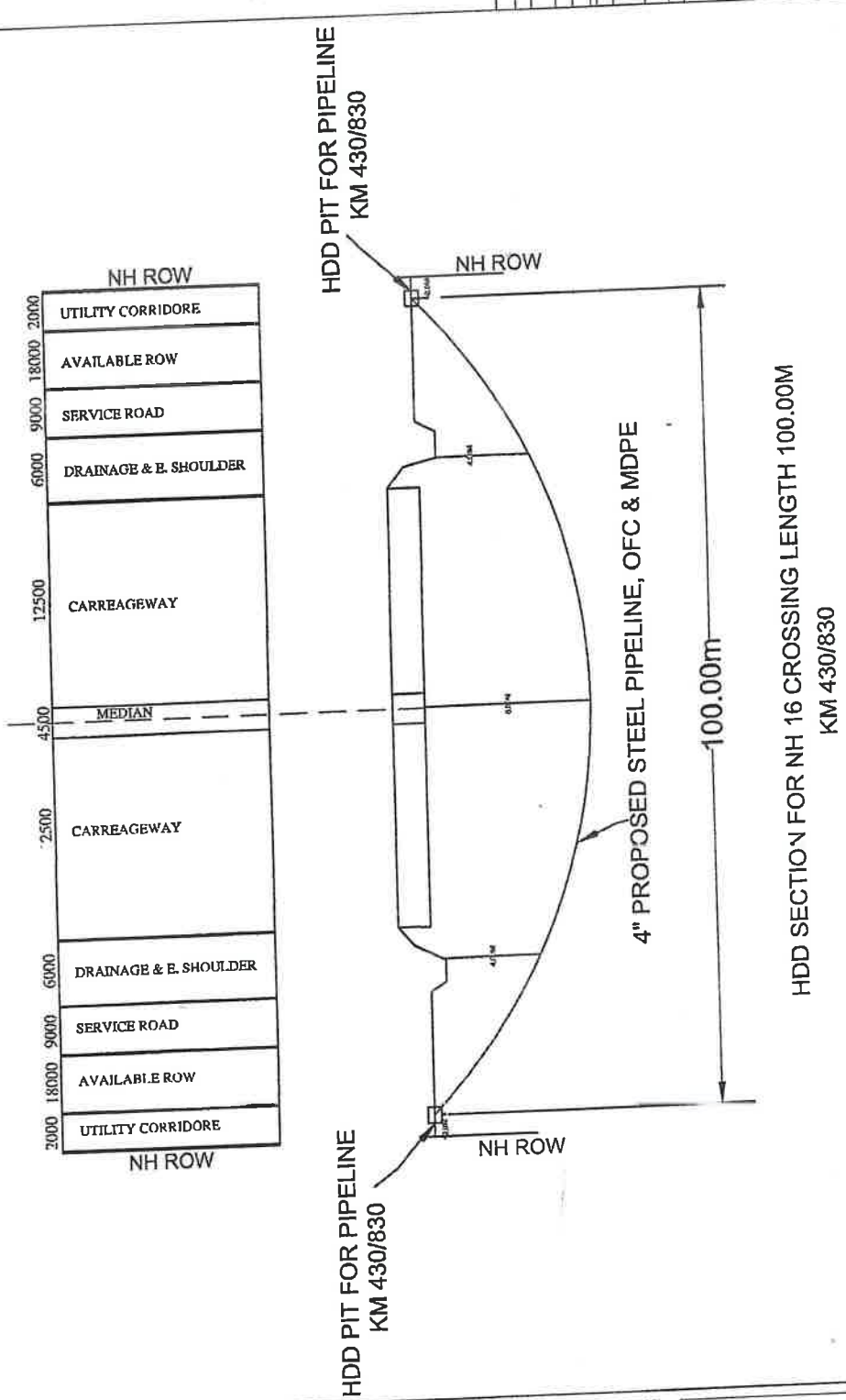
Yours sincerely,

T. Parvateesam  
(T PARVATEESAM) 29/11/2023  
Project Director



Annex-2

STANDARD DRAWING FOR PIPELINE CROSSING BY HDD METHOD FOR NH 16 CROSSING AT KM 430.830



- NOTES
- 1. ALL DIMENSIONS ARE IN METERS.
  - 2. BORE PROFILE AS PRELIMINARY SURVEY.

REFERENCE DRAWING	
DESCRIPTION	DRAWING NO.
ALIGNMENT SHEET	
PIPE SPECIFICATION	
SERIAL NO.	PIPE SPECIFICATION
01	4" OD x 6.4 mm WT, API 5L GI-X52 AND 10MM HDPE DUCT
02	125MM HDPE PIPE
LENGTH	
	100.00M
CLASSIFICATION :- NH 16 ROAD CROSSING	

REV	DATE	ISSUED FOR APPROVAL	DESIGN BY	CHECKED BY	APPD
1	24.11.2023	SUBJECT OF REGISTRATION			
SCALE					
PROJECT					
M/S. INDIAN OIL CORPORATION LIMITED					
TRACTEBEL ENGINEERING PVT. LTD.					
M.P. ENGINEERING CONSTRUCTION INDIA PVT. LTD.					
CGD NETWORK IN GUNTUR					
PROPOSED HDD PROFILE OF NH 16 ROAD CROSSING					
DRAWING NO. 10/UT/EP/UNREC/HDD/001/01					
SCALE 1:1					

LEGENDS

- GROUND PROFILE
- PROPOSED 4" PIPELINE
- 40 MM HDPE PIPELINE
- ROW LIMIT
- 125MM HDPE PIPE
- PROPOSED ENTRY & EXIT POINT
- TANGENT POINT

CONCRETE PILE CAP, 1/2" GLASS PH-2A, 4mm W.T.

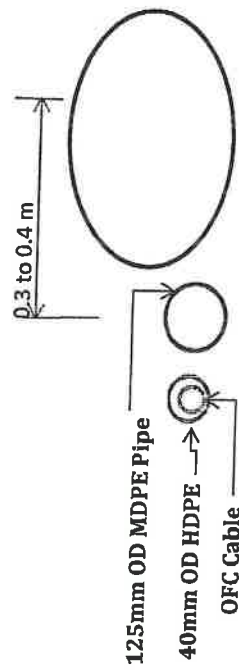
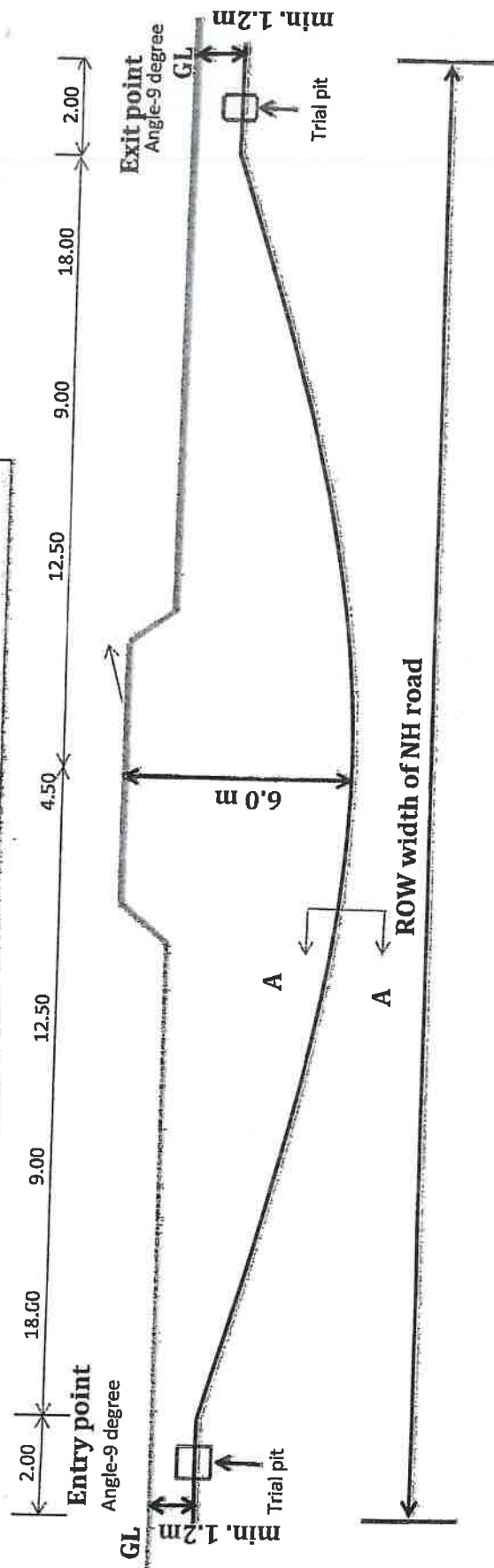
STEEL PIPE, 4" OD, 6.4mm WT.

125MM HDPE PIPE

PROPOSED ENTRY & EXIT POINT

**J. ANIL KUMAR**  
Senior Manager, Guntur GA  
CITY GAS DISTRIBUTION PROJECT  
INDIAN OIL CORPORATION LTD.

STANDARD DRAWING OF PIPELINE CROSSING BY HDD METHOD



4" dia Carbon steel Pipe (API 5L-X 52 grade) 6.4 mm wall thickness

SECTION A-A

J. ANIL KUMAR  
Project Manager, Gaurav GA  
NOT TO SCALE  
CITY GAS DISTRIBUTION PROJECT  
PUNJAB STATE PIPELINES LTD.



Performance bank guarantee to be Furnished for laying of City Gas Distribution Pipeline along NH 16 from KM.430/630 to KM.431/030 & KM 431/030 to KM 435/233					
Chainage		Length of Pipeline in mts	Proposed Public Utility Details	Bank gaurantee rate per metre for public utility <= 300 mm dia/width	Bank Gaurantee in Rupees
From	To				
KM 431/030	KM 430/630	400.00	Carbon steel Pipe: 100mm MDPE Pipe: 125mm OFC Duct: 40mm	100	₹ 40,000.00
KM 435/233	KM 431/030	4203.00		100	₹ 4,20,300.00
KM 431/030 (Across KM)	KM 431/030 (Across KM)	100.00		100	₹ 10,000.00
Total Bank Guarantee to be submitted for current proposal					₹4,70,300.00

Above is tentative Calculation for Bank Guarantee is enclosed. However the final calculation should be checked and to be arranged by NHAI as per their guidelines

Prepared by  
K. Bharath Chandra  
Manager (CGD) - Guntur

Reviewed by  
J. Anil Kumar

J. ANIL KUMAR  
Senior Manager, Guntur GA  
CITY GAS DISTRIBUTION PROJECT  
INDIAN OIL CORPORATION LTD.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

प.क.ई. अमरावती (आ.प्र.) 136ए, 106&107, वसन्ता रेसिडेंसी,

श्री लक्ष्मी नरसिम्ह स्वामी कॉलनी, मंगलगिरी, आ.प्र. - 522 503

PIU-Amaravati(AP), 136A, 106&107, Vasantha Residency,

Sri Lakshmi Narasimha Swamy Colony, Mangalagiri, A.P. - 522 503.

टेली / Tele : 08645 - 234599 ई-मेल / E-mail : piuamaravati@nhai.org / nhaipiuamaravati@gmail.com

वेब / web : www.nhai.gov.in



NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/2130

29<sup>th</sup> November, 2023

To

Senior Manager, Guntur GA,  
City Gas Distribution Project,  
M/s Indian Oil Corporation Ltd.,  
CGD, Door No. 3-14-59, 1<sup>st</sup> Floor,  
Above KVB Bank, 1<sup>st</sup> Lane,  
Pattabhipuram, Guntur - 522 006

Received  
K. Shalekh  
15/12/2023

Sir,

Sub: 6 laning of Chilakaluripet - Vijayawada section of NH-5 - M/s IOCL - Permission for laying of steel pipeline for Public Utility - "City Gas Distribution" along the NH-16 along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16 - Observations - Reg.

- Ref: 1. M/s IOCL letter no. SERPL/CGD/GNT/NHAI/09 dated 28.10.2023  
 2. PIU lr.No. NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/1997 dated 06.11.2023  
 3. IE lr.No. MSV\_SriInfotech/103/KAZA/2023/NHAI/1137 dt.25.11.2023

\*\*\*\*\*

Please refer to your letter under reference 1<sup>st</sup> cited, requesting therewith permission for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km.430+630 to Km.431+030 LHS and from Km.431+030 to Km.435+233 RHS with crossing at Km.431+030 for a total length of 4703m (4603 m along and 100m crossing) on Chilakaluripet - Vijayawada section of NH-16.

The proposal has been examined and following observations are noted:

- The applicant has proposed to lay 4" dia carbon steel pipeline along with 125mm MDPE pipeline and 40mm HDPE OFC duct, whereas in the submitted typical cross section for open trench method 12.75" dia steel pipe line with 100mm MDPE and 100mm HDPE OFC duct is shown and the same may be clarified.
- The applicant has not submitted cross section for HDD methodology as per site condition.

It is therefore requested to submit compliance to the observations for taking further needful action in the matter.

Yours sincerely,

T. Parvateesam  
(T PARVATEESAM) 29/11/2023  
Project Director

o/c



**MSV INTERNATIONAL INC.**

In Association with

**SRI INFOTECH**



C/o Jakka Shanmuka Rao  
Plot no:80, House No:6-220  
Aditya Township, NH-5 Road,  
Kaza Village, Mangalagiri (M)  
Guntur Dist: Andhra Pradesh-522503  
Email: msv.chilkaluripet@gmail.com  
CIN: F04214

Independent Engineer (IE) Services during Operation & Maintenance stage of Six laning of Chilakaluripet - Vijayawada Section of NH-5 (New NH-16) from Km.355.000 to Km.434.150 (length 82.5 Km) in the State of Andhra Pradesh executed as BOT (Toll) on DBFO Pattern under NHDP Phase-V

Dated: 25.11.2023

MSV\_Sri Infotech/103/KAZA/2023/NHAI/1137

To,  
**The Project Director,**  
National Highways Authority of India,  
Project Implementation Unit-Amaravati,  
Dr.No. 136/A,106 &107,  
Lakshmi Narasimha colony, Vasantha Residency,  
Managalagiri, Guntur District, A.P -522503.

**Sub:** Independent Engineer Services during Operation & Maintenance period for 6-laning of Chilakaluripet-Vijayawada Section of NH-5 (New No. NH-16) from Km 355+000 to Km.434+150 (Length - 82.5 Km) in the State of Andhra Pradesh to be executed as BOT (Toll) On DBFO Pattern Under NHDP PHASE-V - **M/s. IOCL - Permission for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km. 430+630 to 435+233 - Furnish Comments - Reg.,**

**Ref:** 1. NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/1997 dated 06.11.2023  
2. M/s. IOCL Lr.No. SERPL/CGD/GNT/NHAI/09 dated 28.10.2023

**Dear Sir,**

Please refer to your letter in ref (1) cited enclosing therewith the copy of letter in ref (2) cited received from M/s IOCL on the above subject, wherein it was requested for grant of permission for laying of steel pipelines for Public Utility - "City Gas Distribution" along the NH-16 from Km. 430+630 to 435+233 in Chilakaluripet - Vijayawada section of NH-16. Accordingly, Project Director requested the IE to examine the proposal, with reference to the site and MOU signed between M/s IOCL and NHAI on 07.06.2022 and furnish necessary comments/recommendations so as to enable his office to take further needful action in this regard.

In this connection, IE has reviewed the revised proposal with reference to site and MOU signed between M/s IOCL and NHAI on 07.06.2022 and the observations are here under:

1. The applicant has submitted Checklist for laying a 4" OD Carbon steel pipeline (API 5L x 52 grade, 12mm wall thickness) & 125mm MDPE pipe along with 45mm HDPE duct for OFC cable along National Highway from Km.430+630 to Km. 430+800 on LHS & Km. 430+800 to 435+233 on RHS and Km. 430+800 across the NH-16. The information furnished in the checklist is satisfactory. All the conditions of the Ministry guidelines vide F.No. RW-NH-103/2015/S&R(R) dated 22.11.2016 are complied with.
2. The applicant has submitted undertakings for:
  1. Responsibility for the safety of all other underground facilities, such as electric lines, water supply and gas sewage lines etc., during trenching.
  2. To state concerned officer of NHAI appointed at least 15 days in advance before

Cont...2...



3. To obtain prior permission in writing to the concerned officer of NHAI to undertake any work of shifting, repairs or alteration to the laid pipeline by Indian Oil Corporation Limited, Pipeline Division, City Gas Distribution, Guntur
4. NHAI shall not be responsible for any damage caused to the underground R-LNG pipeline or by any activity of NHAI of the permitted highway. The parties are agreed that the Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Guntur is laying an underground LNG pipeline across the permitted highway at its own cost.
5. To make good excavated trench for laying underground R-LNG pipeline by proper filling and compaction, so as to restore the land in the same condition as it was before digging trench and shall clear the debris/loose earth produced from the executed of trenching to the satisfaction of NHAI.
6. In any accident occurs during the execution or completion of work by the agency, the complete responsibility lies with the head or agency.
7. To abide by the directions of the concerned officer of NHAI appointed in accordance with the National Highways Act 1956 and rules in force. Also, we shall conform to all standard condition of NHAI's guidelines and ministry circular.
8. To relocate service/approach road/ utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI.
9. Not to damage to other utility, if damages, then to pay losses either to NHAI or to the concerned utility agency.
10. The applicant has to Indemnify NHAI against all damages and claims.
11. If any claim is raised by the Concessionaire, then the same has to be paid by the applicant.
12. To bear the expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance or shifting of the underground R-LNG pipeline will be borne by the agency owning the line.
13. Agrees if the NHAI considers it is 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
14. Laying of underground R-LNG pipeline will not have deleterious effects of any of the bridge components and roadway safety for traffic.
15. To relocate service/approach road/ utilities at their own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.
16. All the restoration work will be carried out by Indian Oil Corporation Limited, South Eastern Region Pipelines, City Gas Distribution and Guntur up to the satisfaction of NHAI.
17. The licensee shall make their own arrangement for crossing of cross drainage structures, rivers, etc., below the bed. In case this is not feasible, the utility services may be carried outside the railings/parapets and the bridge structure. The fixing and supporting arrangement with all the details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account for fixing and supporting arrangement as assessed by the authority shall be payable by the licensee.
18. To manage traffic movement during laying of Natural Gas Pipeline.
19. To pay necessary fees/rent including Bank Guarantee as and when required by NHAI as per their circular No. 33044/29/2015/S&R(R) dated 22.11.2016 without any delay.
20. To restore any damaged portion of NHAI service road as per existing crust thickness i.e., Sub Grade 500MM, GSB 150MM, WMM 250MM, DBM 50MM & BC 30MM.

Cont.....3...

3. As per the plans submitted, the applicant has proposed to lay 4" OD Carbon steel pipeline and 125mm MDPE pipe along with 40mm HDPE duct for public utility along the service road from Km. 430+630 to Km. 430+800 on LHS & Km. 430+800 to Km. 435+233 on RHS and Km. 430+800 across the NH-16 by open trench method and Horizontal Direction Drilling (HDD) method respectively at the edge of NH-16 RoW.
4. Applicant has submitted methodologies for laying of 4" OD Carbon steel pipeline and 125mm MDPE pipe along with 40mm HDPE duct with open trenching method and HDD method along the National Highway.

In view of the above, we found that the proposal submitted by the applicant is in order. Hence, the competent Authority may take a suitable decision to accord permission to lay 4" OD Carbon steel pipeline and 125mm MDPE pipe along with 40mm HDPE duct along the NH-16 RoW as requested by the applicant.

This letter is issued with the approval of Team Leader.

This is for your information and further necessary action, please.

Thanks & Regards,

**Yours Sincerely**

**For MSV International Inc., in association with Sri Infotech.**



**G. Prasad**

**Highway Maintenance cum Resident Engineer (HMRE)**

**Copy to:** Mr. Ravi Kiran - Chief Operation & Maintenance, VTPL, Kaza.



**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**National Highways Authority of India**  
(Ministry of Road Transport and Highways, Government of India)



प.क.ई. अमरावती (आ.प्र.) 136ए, 106&107, वसन्ता रेसिडेंसी,  
श्री लक्ष्मी नरसिम्ह स्वामी कॉलनी, मंगलगिरी, आ.प्र. - 522 503  
PIU-Amaravati(AP), 136A, 106&107, Vasantha Residency,  
Sri Lakshmi Narasimha Swamy Colony, Mangalagiri, A.P. - 522 503.  
टेली / Tele : 08645 - 234599 ई-मेल / E-mail : piuamaravati@nhai.org / nhaipiuamaravati@gmail.com  
वेब / web : www.nhai.gov.in

NHAI/PIU-Amaravati/11013/13(OFC)/2020/Vol.1/1997

6<sup>th</sup> November, 2023

To  
The Team Leader,  
M/s MSV Intl. Inc. in association  
with M/s Sri Infotech,  
Plot No. 80, House No. 6-220,  
Aditya Township, NH-5 Road,  
Kaza Village, Mangalagiri(M),  
Guntur(D), AP - 522503.

Sir,

Sub: NHAI, PIU - Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-5 -  
M/s IOCL - Permission for laying of steel pipelines for Public Utility - "City Gas  
Distribution" along the NH-16 from Km.430+630 to Km.435+233 - Furnish  
comments - Reg.

Ref: 1. M/s IOCL letter no. SERPL/CGD/GNT/NHAI/09 dated 28.10.2023

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Please find herewith enclosed of copy M/s IOCL letter under reference cited,  
requesting therewith permission for laying of steel pipelines for Public Utility - "City Gas  
Distribution" along the NH-16 from Km.430+630 to Km.435+233 in Chilakaluripet -  
Vijayawada section of NH-16.

In this connection, it is requested to examine the proposal, with reference to site  
and MOU signed between M/s IOCL and NHAI on 07.06.2022 (copy enclosed) and furnish  
necessary comments/recommendations by 10.11.2023 so as to enable this office to take  
further needful action in this regard.

Yours sincerely,

Encl. As above

T. Parvateesam 6/11/2023  
(T PARVATEESAM)  
Project Director

Copy to: The COM, M/s VTPL, Kaza Toll Plaza with a request to offer  
comments/objections by 10.11.2023, if any.

o/c