



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport and Highways)

कर्नाटक क्षेत्र, क्षेत्रीय कार्यालय, बेंगलुरु

Karnataka Region, REGIONAL OFFICE, BENGALURU

बेंगलुरु - तुमकूर सड़क (एन.एच-४), एम. एस. रामय्या इंकलेव, नागसंद्रा मेट्रो स्टेशन के बगल में, बेंगलुरु - ५६० ०७३.  
Bengaluru-Tumakuru Road (NH-4), M.S. Ramaiah Enclave, Beside Nagasandra Metro Station, Bengaluru - 560 073

Tele : 080 - 28397156

: 080 - 28397171

Fax : 080 - 28377171

Email : robangalore@nhai.org  
ronhaibangalore@gmail.com



भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

No. NHAI/RO-BNG/24019/ /2020/ 654

Date: 04.06.2020

### Invitation of public comments

**Sub: Package-2:** Four laning of Karadi - Banawara section from km 65.195 to km 121.900 of NH-206 on Hybrid Annuity Mode under Bharathmala Pariyojana in the State of Karnataka - Request for granting permission to lay 14" dia underground liquefied petroleum gas pipeline (LPG) along with 40mm dia HDPE duct for optical fiber cable (OFC) at Km.90+811 across NH-206 - Seeking Permission.

**Ref: 1.M/s.Hindustan Petroleum Ltd letter no01 dt.01.04.2019.**

**2.PD,PIU-Tumkur letter no.NHA/PIU-TMK/12021/2020/2125 dt.20.03.2020(Received on.08.05.2020)**

PD-Tumkur letter cited 2th above has submitted the proposal for laying of 14" dia underground liquefied petroleum gas pipeline (LPG) along with 40mm dia HDPE duct for optical fiber cable (OFC) at Km.90+811 across NH-206, seeking permission from Competent Authority.

Further, as per para-4 of Ministry's Circular No. RW/NH-33044/29/2015/S & R (R) dated 22.11.2016, the Highway Administration shall be put out in the Public Domain for 30 days for Seeking claims and objections (On grounds of Public inconvenience, safety and general public interest).

In view of the above, the comments/objections of affected public is hereby invited with reference to Ministry's circular dated 22.11.2016 for the above mentioned proposal. The objections/comments may be addressed to the below mentioned address, which should reach by this office within 30days from the date of publication beyond which no comments shall be entertained.

Regional Officer  
National Highways Authority of India  
Regional Office  
M.S. Ramaiah Enclave,  
Beside Nagasandra Metro Station,  
Bengaluru - 560073.  
Email Id: ronhaibangalore@gmail.com  
robangalore@nhai.org

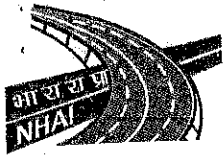
This is issued with the approval of Competent Authority.

Yours sincerely,

(R. Prasanth)  
Manager (T)

### Copy to:-

1. The Web admin, NHAI, HQ, New Delhi for Uploading on NHAI's website.
2. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
3. Project Director, NHAI, PIU-Tumkur - for Information.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

परियोजना कार्यान्वयन इकाई - तुमकुरु

Project Implementation Unit - Tumakuru

श्री रक्षे, ८० फीट रोड, महालक्ष्मी नगर, कृष्णा कॉलेज समीप, बाटावाडी, तुमकुरु - ५७२१०३.

Sri Rakshe, 80ft Road, Mahalakshmi Nagar, Near Krishna College, Batawadi, Tumakuru - 572103.

Tele : 0816 - 2955145  
E-mail : piutumkur@nhai.org  
nhaitumkur@gmail.com



भारतमाला  
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प्रगति के पथ पर अग्रसर  
ROAD TO PROSPERITY

NHAI/PIU-TMK/12021/08/2019-20/2125

20.03.2020

To,  
The Regional Officer,  
Regional Office,  
National Highways Authority of India,  
Bengaluru.

**Sub:** Four laning of Karadi to Banavara Section from Design Km. 65+195 to Design Km. 121+900 of NH-206 on HAM under Bharathmala Pariyojana, in the state of Karnataka. (Package II)- **Request for granting permission to lay 14" dia underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia HDPE duct for Optical Fiber Cable (OFC) at Km. 90+811 across NH-206 - Reg.**

### Ref:

1. M/s Hindustan Petroleum Corporation Ltd., Hassan letter no. HPCL/HCPL/NH/ROU/KN/2018/16/1 dated 01.04.2019.
2. This office letter no. NHAI/PIU-TMK/12022/01/2018-19/1276 dated 27.02.2019.
3. Concessionaire M/s Ashoka Karadi Banavara Road Pvt Ltd., letter No. AKBRLP/T-S(PKG-II)/SITE/NH-206/2018-19/286 dated: 06.03.2019.
4. M/s Hindustan Petroleum Corporation Ltd., Hassan letter no. HPCL/HCPL/R&B/ROU/AP/2018/06/A dated 06.06.2019.
5. This office letter no. NHAI/PIU-TMK/12034/01/2019-20/1025 dated 25.09.2019.
6. This office letter no. NHAI/PIU-TMK/HPCL/Km.92+000/01/2018-19/1114 dated 15.10.2019.
7. This office letter no. NHAI/PIU-TMK/12022/01/2019-20/1116 dated 16.10.2019.
8. M/s Hindustan Petroleum Corporation Ltd., Hassan letter no. HPCL/HCPL/NH/ROU/KN/2018/16/2 dated 19.10.2019.
9. This office letter No. NHAI/PIU-TMK/12022/01/2019-20/1386 dated: 28.11.2019.
10. M/s Hindustan Petroleum Corporation Ltd., Hassan letter no. HPCL/HCPL/NH/ROU/KN/16/3 dated 26.12.2019.
11. This office letter No. NHAI/PIU-TMK/12022/01/2019-20/1602 dated: 31.12.2019.
12. This office letter No. NHAI/PIU-TMK/Confirmation of BGs/2019-20/1747 dated: 21.01.2020.
13. Confirmation of Bank Guaranty received from Canara Bank, Tumakuru on 24.01.2020.
14. This office letter No. NHAI/PIU-TMK/12034/01/2019-20/1752 dated: 25.01.2020.
15. Independent Engineer, M/s Theme Engineering Services Pvt Ltd., letter No. Theme/IE Tumkur-Shivamogga-Karnataka/2020/499 dated: 05.02.2020.
16. Concessionaire M/s Ashoka Karadi Banavara Road Pvt Ltd., letter No. AKBRLP/T-S(PKG-II)/SITE/NH-206/2020-21/1587 dated: 12.03.2020.

Sir,

1. This has reference to the proposal received from M/s Hindustan Petroleum Corporation Ltd., Hassan for laying of 14" dia. underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia. HDPE duct for Optical Fiber Cable (OFC) across NH-206 at Km. 90+811.

Contd....

2. The user agency M/s Hindustan Petroleum Corporation Ltd., Hassan has submitted the proposal as per the NHAI Policy Guidelines No. 3.1.22/2018, dated: 23.01.2018 along with necessary undertakings along with Bank Guarantee of Rs.1,00,000/- for one crossing and license fee for initial Five year of amount Rs. 580/- in form of DD No. 239247 Dated 21.09.2019 in favour of Project Director, NHAI, Tumakuru.

The Details of bank Guarantee is as under:

Sl No	Bank Guarantee No. Date	Amounting to Rs.	Issued in favour of	Validity up to
1	No: 0505519BG0001832 Dt. 30.05.2019	Rs. 1,00,000/-	Project Director, National Highways Tumakuru	31.05.2021

3. Further, the user agency vide letter (4) cited above, submitted the Bank Guarantee No: 0505519BG0001832 dated: 30.05.2019 for an amount of Rs.1,00,000/- deposited to State Bank of India, Hyderabad. Vide this office letter (12) cited above, requested CANARA Bank, Tumakuru for confirmation of above bank guarantee.

4. The confirmation of bank guarantee has been received from Canara Bank, Ashoknagar Branch, Tumakuru on 24.01.2020.

5. The proposal submitted by M/s Hindustan Petroleum Corporation Ltd., Hassan was forwarded to Independent Engineer and Concessionaire for their comments vide this office letter (14) cited above.

6. Accordingly Independent Engineer M/s. Theme Engineering Services Pvt Ltd verified the proposal at site and vide letter (15) cited above submitted that the proposed pipe line is crossing the National Highway at Km.90+811 on NH-206 and checklist and proposal submitted by user agency is found correct as per Ministry Circular No. RW/NH-33044/27/2005/S&R® (PT) dated 06.08.2013.

7. Concessionaire vide letter (16) cited above, submitted that the layout drawings submitted by the HPCL were reviewed and verified by the Concessionaire at the site and same has been found correct. Further, the Concessionaire submits that, the permission for laying of Hassan to Cherlapalli LPG Pipeline as per the approved drawings may be accorded, provided that the responsibility for any and all consequences arising from laying of pipeline shall lie entirely on the Authority/HPCL and if any obstructions are encountered due to laying of LPG pipe line the same shall be made good/cleared to the satisfaction of the Concessionaire at its risk and cost. HPCL be responsible for damage caused to any part of project highway and if the same is damaged CL then same will be rectified by the HPCL/NHAI at its own risk and cost.

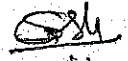
8. The proposal submitted by the user agency M/s. Hindustan Petroleum Corporation Ltd., Hassan with necessary undertakings as per the Ministry circular has been examined as per NHAI Policy Guidelines No. 3.1.22/2018, dated: 23.01.2018 and found in order.

Contd....

In view of above, the proposal of M/s. Hindustan Petroleum Corporation Ltd., Hassan for permission for laying of 14" dia. underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia. HDPE duct for optical fiber cable crossing NH-206 at Km. 90+811 is recommended for approval. The proposal along with the necessary documents as per the guidelines in duplicate is submitted herewith.

Thanking you,

Yours faithfully,



**(Shirish Gangadhar)**  
Project Director  
NHAI, PIU-Tumakuru

**Encl:** as above.

Ref.: AKBRLP/T-S(PKG-II)/SITE/NH-206/2020-21/1587

Date: 12.03.2020

To,  
✓ The Project Director,  
PIU-Tumakuru, NHAI,  
Sri Rakshe, 80 Ft Road,  
Mahalakshmi Nagar, Batawadi  
Tumakuru-572103

Sub.: Construction of Four Laning of Tumkur-Shivamogga section from 66+540 (Design km 65+195) (Karadi) to km 119+790 (Design km 121+900) Banwara of NH-206 on Hybrid Annuity Mode under NHDP Phase-IV in the state of Karnataka (Package-II) - **Submission of detailed drawing of Hassan to Cherlapalli LPG Pipe line along with duct for OFC crossing with NH 206 at Km 90+811-Reg.**

Ref:

1. NHAI/PIU-TMK/12034/01/2019-20/1752 dated 25.01.2020
2. Theme/IE-Tumkur-Shivamogga-Karnataka/2020/499 dated 05.02.2020

Dear Sir,

With reference to the letter in sr. no. (1), the proposed location for laying of Hassan to Cherlapalli LPG Pipe line was jointly inspected by the Concessionaire with the Independent Engineer's representative.

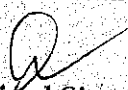
The layout drawings submitted by HPCL were reviewed and verified by the Concessionaire at the site and same has been found correct.

In this regard, the Concessionaire submits that, the permission for laying of Hassan to Cherlapalli LPG Pipeline as per the approved drawings may be accorded, provided that the responsibility for any and all consequences arising from laying of Pipeline shall lie entirely on the Authority/HPCL. and if any obstructions are encountered due to laying of LPG Pipe line the same shall be made good/cleared to the satisfaction of the Concessionaire at its risk and cost.

Further, the HPCL / NHAI be responsible for damage caused to any part of Project Highway & if the same is damaged CL then same will be rectified by the HPCL / NHAI at its own risk and cost.

This is submitted without prejudice to the rights of Concessionaire under Concession Agreement and law.

Yours truly,  
For Ashoka Karadi Banwara Road Private Limited,

  
Authorized Signatory

Copy for information and necessary action:

1. Team Leader, Theme Engineering Service Pvt. Ltd., House No. 104, Ward No. 9, Gubbi Layout, Doddayanapalya, Halepalya Post, Tiptur, Dist.-Tumkur-572201, Karnataka

Regd. Office : 402, 4th floor, City Centre, Plot No. 5, Sector 12, Dwarka, New Delhi-110075, Delhi, India.

Corporate Office: Ashoka House, Ashoka Marg, Ashoka Nagar, Nashik 422011, Maharashtra, India. • Tel+91 253 3011705

Fax +91 253 2236704. • www.ashokabuildcon.com

CIN: U45309DL2018PTC332073

Ref: Theme/IE Tumkur-Shivamogga-Karnataka/2020/499

Date: 05.02.2020

To  
The Project Director  
NHAI, PIU, Tumakuru,  
Sri Rakshe, 80ft Road,  
Mahalakshmi Nagar, Batawadi,  
Tumakuru -572103, Karnataka.

Sub: Four lanning of Tumkur – Shivmogga section from Km 66+540 (Design Ch. 65+195) (karadi) to Km 119.790 (Design Ch. 121+900) (Banwara) of NH-206 under NHDP Phase-IV on HAM in the state of Karnataka (Package-II) – **Hassan to Cherlapalli LPG Gas Pipe line project (HPCL): Submission of Detailed drawing of HPCL pipe line along with duct for OFC crossing with NH-206 at Km.90.811 - Reg.**

Ref:

1. NHAI letter no. NHAI/PIU-TMK/12034/01/2019-20/1752 dated.25.01.2020
2. Hindustan Petroleum Co-operation Limited, Bengaluru letter no. HPCL/HPCL/NH/ROU/KN/16/3 dated.26.12.2019
3. NHAI letter no. NHAI/PIU-TMK/12022/01/2019-20/1116 dated.16.10.2019
4. Our letter no. Theme/IE Tumkur-Shivamogga-Karnataka/19/266 dated.03.10.2019

Dear Sir,

With reference to the letters cited above and subject matter, the site was inspected jointly by IE & Concessionaire representatives, the proposed location of laying permission to lay 14" dia. underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia. HDPE across NH-206 has been verified at site. The proposed pipe line is crossing the National Highway at Km.90.811 is of NH-206.

We have reviewed the detailed layout drawings submitted by HPCL at Km 90.811 and the checklist submitted by agency has been verified and found correct as per Ministry Circular No. RW/NH-33044/27/2005/S&R(R) (PT) dated 06.08.2013.

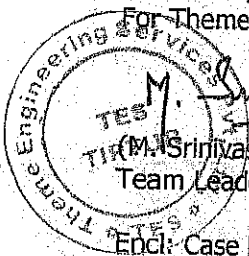
Hence, IE is in the opinion to accord permission for laying of HPCL gas pipe line across the Project Highway at proposed location.

This is for your kind information and necessary action please.

Thanking you and assuring our best services all the time.

Yours Truly

For Theme Engineering Services Pvt. Ltd



(M. Srinivasa Rao)

Team Leader cum senior Highway Engineer


Encl: Case File – 1no.


Copy to: The Concessionaire M/s Ashoka karadi Banavara Road Pvt. Ltd. - for information and necessary action.

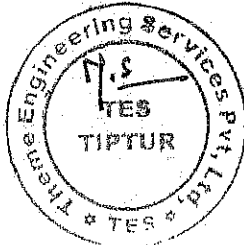
## SITE INSPECTION REPORT

**Sub:** Four laning of Karadi to Banavara Section from Design Km. 65+195 to Design Km. 121+900 of NH-206 on HAM under BharathmalaPariyojana, in the state of Karnataka (Package-II)-**Permission for laying undergroundgranting permission to lay 14" dia underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia HDPE across NH-206 at Km.90.811 in the state of Karnataka of Hassan to Cherlapalli LPG Pipeline Project (HPCL)**

1. The proposed location of laying permission to lay 14" dia underground Liquefied Petroleum Gas Pipeline (LPG) along with 40mm dia. HDPE across NH-206 has been verified at site. The proposed pipe line is crossing the National Highway at Km.90.811 is of NH-206.
2. The checklist submitted by agency has been verified and found correct as per Ministry Circular No. RW/NH-33044/27/2005/S&R(R) (PT) dated 06.08.2013.
3. The work of widening to four laning in this stretch on NH-206 yet to be commenced.
4. The proposals submitted by agency have been verified.

  
**PROJECT DIRECTOR**  
Project Director  
National Highways Authority Of India  
NHAI, PIU-Tumkur

  
**Site Engineer**  
NHAI, PIU-Tumkur



## CHECK - LIST

**Guidelines for Project Directors/Divisional Engineers/ Executive Engineers for processing the proposal for laying of LPG Pipeline & OFC on the land of National Highways..**

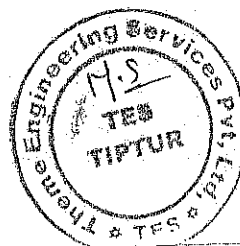
### Relevant circulars

- 1) Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 2) Ministry Circular No. NH-III-P/66/76 dated 11.05.1982
- 3) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993
- 4) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 5) Ministry Circular No. RW/NH-33066/2/95/S&R dated 25.10.1999
- 6) Ministry Circular No. RW/NH-33066/7/2003/S&R dated 17.09.2003
- 7) Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016

### Check list for getting approval for laying of GAS pipeline along with OFC on NH land.

S.NO	Item	Information/Status	Remarks
1	General Information	Hindustan Petroleum Corporation Limited (Pipelines Division) intends to lay LPG pipeline from Hassan, Karnataka to Cherlapalli in Telangana. This proposal is for permission for laying the pipeline across NH-206 Arsikere - Tiptur, at NH chainage 91.579 KM in the state of Karnataka. The pipeline at this crossing will be laid at a minimum depth of 1.2 mtr. below the Natural ground level, by Horizontal Boring method, along with 40 mm dia HDPE duct for OFC..	
1.1	Name and Address of the Applicant/Agency	Hindustan Petroleum Corporation Ltd Hassan Cherlappalli Pipeline Project, 130/1, Sebastian Street, S.D.Road, P.B No.5, Secunderabad-500003	
1.2	National Highway Number	NH-206	
1.3	State	Karnataka	
1.4	Location	At Hunsekatte Village in Hassan District	
1.5	(Chainage in km)	NH-206 Chainage: 91.579 km / 91+811 (Dergh km)	
1.6	Length in Meters	60mtr	
1.7	Width of available ROW	60mtr	
	(a) Left side from center line towards increasing chainage/km direction	30 from Proposed CL	
	(b) Right side from center line towards increasing chainage/ km direction	30 from Proposed CL	
1.8	Proposal to lay underground Gas Pipeline along with OFC	Pipeline will be laid across NH at this location.	

**PROJECT DIRECTOR**  
National Highways Authority Of India  
PIU-TUMAKURU

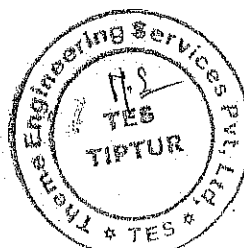


**General Manager-Pipe Line F**  
Hassan Cherlapalli LPG PI  
Hindustan Petroleum Corporation



	(a) Left side from center line towards increasing chainage/km direction.	NA	
	(b) Right side from center line towards increasing chainage/km direction.	NA	
1.9	Proposal to acquire land	No NH land will be acquired for pipeline laying.	
	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable.	NA	
1.11	Details of already laid services, If any, along the proposed route		
1.12	Number of existing lanes (2/4/6/8 lanes)	2	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from centre line	NA	
	(b) Right side from centre line		
1.15	Proposed service road	No	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay gas pipeline is after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of sewage / gas pipeline has been proposed on highway bridges. If yes, then mention the methodology proposed for the same.	NA	
1.18	Whether carrying of sewage / gas pipeline has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	No	
1.18	<b>If crossing of the road involved</b>		
	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	Crossing will be done by Horizontal Boring method	
	(a) Whether existing drainage structures are allowed to carry sewage / gas pipeline	N/A	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the sewage/gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	193m	

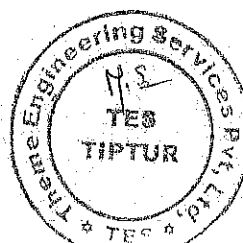
**PROJECT DIRECTOR**  
National Highways Authority of India  
PIU-TUMAKURU



**इमतिआज़ अरशद / IMTIYAZ ARSHAD**  
महाप्रबंधक - पाईपलाइन परियोजनाएँ  
General Manager-Pipe Line Projects  
हासन चेरलापल्ली एल पी जी पाईपलाइन  
Hassan Cherlapalli LPG Pipe Line  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
Hindustan Petroleum Corporation Ltd.

	(d) The casing pipe (or conduit pipe in the case of electric / OFC cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.	Carrier pipeline will be laid in a steel casing pipe of 20" Dia	
	(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 in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	Yes	
	(h) Mention the methodology proposed for crossing of road for the proposed sewage / gas pipeline. Crossing shall be by boring method (HDD) [Trenchless Technology especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Horizontal Boring Method	
	(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 waterway along it.	Yes	
2	<b>Document / Drawings to be enclosed with the proposal.</b>		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)		
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.		
	(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.		
	(iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.		
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.		
2.2	Cross section showing the size of pit and location of pipe for HDD method.	Attached	
2.3	Strip plan / Route Plan showing Gas pipe line, Chainage, width of ROW, distance of proposed Gas pipeline with OFC from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for laying of Gas pipe line.	Horizontal Boring Method	

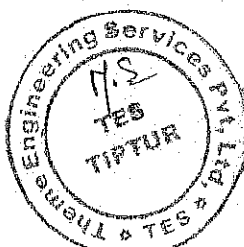
PROJECT DIRECTOR  
National Highways Authority Of India  
PIU-TUMAKURU



*[Signature]*  
इम्तियाज अरशद / IMTIYAZ ARSHAD  
महाप्रबंधक - पाईपलाइन परियोजनाएँ  
General Manager-Pipe Line Projects  
हासन चरलापल्ली एलपीजी पाईपलाइन  
Hassan Cherlapalli LPG Pipe Line  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
Hindustan Petroleum Corporation Ltd.

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, What is the 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.	NA	
	(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. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.	NA	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Horizontal Boring Method	
2.4.3	Methodology for laying of Gas Pipe Line through CD works and method of laying. In cases where the carrying of gas pipeline on the bridge becomes inescapable.	N/A	
3	Draft License Agreement signed by two witnesses	Attached	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs1,00,000/-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 Gas pipeline with OFC /ducts by proper filling and compaction, clearing Debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris /loose earth. Performance BG as per above is to be obtained.	Hindustan Petroleum Corporation Limited will Pay Bank Guarantee as intimated by NHAI/ Authorized Agency. Enclosed Rs.1,00,000/-	

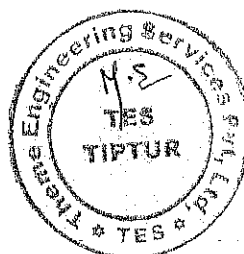
**PROJECT DIRECTOR**  
National Highways Authority Of India  
PIU-TUMAKURU



**इमतिआज़ अरशद / IMTIYAZ ARSHAD**  
महाप्रबंधक-पाइपलाइन परियोजनाएँ  
General Manager-Pipe Line Projects  
हासन चेरलापल्ली एल पी जी पाइपलाइन  
Hassan Cherlapalli LPG Pipe Line

4.1	Confirmation of BG has been obtained or not as per NHAI guidelines	Will be submitted as intimated by NHAI/ Authorized agency	
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished.</b>		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency	Enclosed	
5.2	For Renewal of Bank Guarantee		
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline		
5.4	For Shifting of Gas pipe line as and when required by NHAI at their own cost		
5.5	For Shifting of Gas pipeline due to lanning / widening of NH		
5.6	For Indemnity against all damages and claims		
5.7	For Traffic movement during laying of Gas pipe line to be managed by the applicant.		
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.		
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the Gas pipe line/any other utility located in the National Highway right-of-ways.		
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipe line will be borne by the applicant agency owning the line.		
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.		
5.12	Certificate from the applicant in the following format		
	(i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Enclosed	
	(ii) "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."		

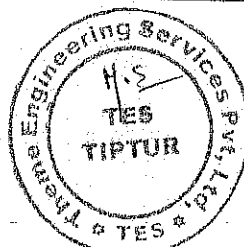
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6	Who will sign the agreement on behalf of Gas pipe line agency?	Imtiyaz Arshad, General Manager Pipeline Projects, Hindustan Petroleum Corporation Limited, 130/1, Sebastian Street, S.D.Road, P.B No.5, Secunderabad-500003	
6.1	Power of Attorney to sign the agreement is available or not	Yes	
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. NH-III /P /66 /76 dated 18/19.11.1976, RW/NH-III/P/66/76 dated 11.5.1982, RW/NH-11037/1/86/DOI (ii) dated 28.7.1993, RW/NH-11037/1/86/DOI dated 19.1.1995, RW/NH-34066/2/95/S&R dated 25.10.1999 and Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003		
7.2	Certificate from PD in the following format		
	(i) " It is certified that any other location of the 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-laning		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structure 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-laning".		
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 to lay gas pipeline with OFC/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 honour the same."		

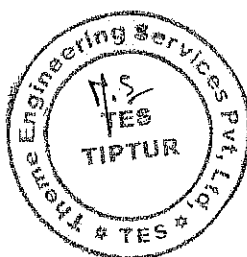
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9	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	Hindustan Petroleum Corporation Limited, Hassan Cherlappally Pipeline Project	
	(b) On behalf of NHAI/ Authorized Agency		
10	Who will ensure that the defects in road portion after laying of Gas Pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	Hindustan Petroleum Corporation Limited ( General Manager, HCPL Project )	
	(b) On behalf of NHAI/ Authorized Agency		
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?		
	On behalf of the Applicant	Hindustan Petroleum Corporation Limited	
12	A Certificate form PD that he will enter the proposed permission in the resister of records of the permission 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 permission accorded as mantained by PD then copy be enclosed		

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