



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

श्रेत्रीय 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



Ref: NHAI/RO-VJA/PIU - ATP/NOC/AG&P/2023-24/ 4174

Dt. 21.11.2023

To

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

Sub: **RO - Vijayawada** - Permission for laying of underground 12" dia. (305mm) Steel gas pipeline along NH-44 from Km 414.700 to Km 431.900 for the length of 17200 mts and 02 nos. of 18" dia (458 mm) dia steel crossing (120 mts) totaling to 17320 mts across NH-44 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh - **Public comments - Reg.**

Sir,

Please find enclosed herewith a proposal submitted by M/s. AP&G for laying of underground 12" dia. (305mm) Steel gas pipeline along NH-44 from Km 414.700 to Km 431.900 for the length of 17200 mts and 02 nos. of 18" dia (458 mm) dia steel crossing (120 mts) totaling to 17320 mts across NH-44 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh.

2. As per MORTH guidelines vide letter No.RW/NH-33044/29/2015/S&R(R) dated 22nd November 2016, the application along with the recommendations of PD, PIU-Tirupati 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,

(R.K. Singh),
Regional Officer
RO - Vijayawada

Encl: As above

Copy to:

- (i) PD, PIU - Anantapur
- (ii) M/s. AP&G - for information.



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



Ref: NHAI/RO-VJA/PIU - ATP/NOC/AP&G/2023-24/ 4173

Dt. 21.11.2023

INVITATION OF PUBLIC COMMENTS


Sub: RO - Vijayawada - Permission for laying of underground 12" dia. (305mm) Steel gas pipeline along NH-44 from Km 414.700 to Km 431.900 for the length of 17200 mts and 02 nos. of 18" dia (458 mm) dia steel crossing (120 mts) totaling to 17320 mts across NH-44 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh - **Public comments - Reg.**

The Project Director, PIU - Anantapur submitted a proposal of M/s. AP&G for laying of underground 12" dia. (305mm) Steel gas pipeline along NH-44 from Km 414.700 to Km 431.900 for the length of 17200 mts and 02 nos. of 18" dia (458 mm) dia steel crossing (120 mts) totaling to 17320 mts across NH-44 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh.

As per MORTH guidelines vide letter No.RW/NH-33044/29/2015/ S&R(R) dated 22nd 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


(R.K. Singh),
Regional Officer
RO - Vijayawada



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 - अनंतपुर

6-4-239, 3rd क्रॉस, मरुति नगर, अनंतपुर

PROJECT IMPLEMENTATION UNIT - ANANTHAPUR

6-4-239, 3rd Cross, Maruthi Nagar, Ananthapur - 515 004.

Email : ananthapur@nhai.org, nhaiuatp@gmail.com

NHAI/PIU-ATP/11021/23/NOC/0727

18.07.2023

Regional Officer
National Highways Authority of India
Regional Office
Door No.41-29-45A, 3rd & 4th floors
Near Kodandaramalayam
Chalasani Nagar, Ranigarithota
Krishnalanka, VIJAYAWADA - 520 013



Sub: Laying of Underground 12"dia (305 mm) steel Gas Pipeline along NH-44 from Km 414/700 to Km 431/900 for the length of 17200 mts and 02 nos of 18" dia (458mm) dia steel crossing across NH-44- Request for according permission for laying of pipeline-reg.,

- Ref:**
1. This office letter no.681 dtd 07.07.2023.
 2. Authorised Signatory, AG&P City Gas Pvt Ltd., letter no.19 dtd 03.07.2023.
 3. This office letter no.0554 dtd 05.06.2023.
 4. Authorised Signatory, AG&P City Gas Pvt Ltd., letter no.19 dtd 22.05.2023.

Sir,

Authorised Signatory, AG&P City Gas Pvt Ltd., vide letter cited under reference (2) has submitted the proposal for laying of Gas Pipeline in the stretch from Km 414/700 to Km 431/900 for the length of 17200 mts on LHS and 02 nos of crossings for the length of 120 mts of Hyderabad - Bangalore Section of NH 44 and sought the approval.

2. In this regard, it is to inform that the Chief Operating Officer, NHLML vide letter no. 1655 dtd 17.03.2023, vide which the agency M/s Sterlite Technologies Limited was appointed and instructed to take up construction of the Dark Fiber OFC project in the utility corridor on LHS of the subject stretch. Further, the agency, IBI Group India Pvt Ltd. has been appointed as Authority Engineer for supervision of said project.
3. In this connection, keeping in view of proposed OFC duct on LHS of the proposed site, AG&P has informed that the proposed Gas pipeline will be laid within 0.8mts width from extreme edge of ROW by leaving a width of 1.2 mts (out of total available 2.0 mts of utility corridor on LHS) for laying of OFC duct without disturbing the same.
4. As such, this office vide letter cited under reference 1st above has requested the AE appointed for OFC Duct work on LHS, Six laning DPR Consultant, Supervision Consultant of the subject stretch to examine the complete proposal of the AG&P City Gas Pvt Ltd., and the recommendation of the Consultants on the proposal may please be communicated by duly signing the drawings/checklist submitted by AG&P City Gas Pvt Ltd., & keeping in view all the standard conditions issued vide Ministry / NHAI Circulars.

Building a Nation, Not Just Roads

5. The proposal to be considered is as under.

- (a) Length of pipeline to be laid / : 17320 m
- (b) Depth at which pipeline proposed to be laid : min 2.0m from ground level
- (c) Location to be laid (strip plan) : In the utility corridor / Right of way of NHAI
- (d) No. of crossings : 02

6. Following particulars are furnished by the Applicant with the proposal.

- (a) Application & check list
- (b) Undertaking to submit the Bank Guarantee as and when demand raised by the NHAI.
- (c) Undertaking for payment of license fee / lease rental as and when demand raised by the NHAI.
- (d) License agreement on stamp papers
- (e) Undertakings for Relocation of pipeline as and when required
- (f) Route plan

7. In this connection, AE, IBI Group vide their mail dtd 06.07.2023 (copy enclosed) has informed that based on the technical and execution input provided by OFC Contractor, the AE has recommended for laying of pipeline with depth more than 1.2m and in extreme width of ROW by maintaining sufficient gap between the 2 utilities.

8. Further, DPR Consultant vide their letter no.2671 dtd 10.07.2023 & Supervision Consultant vide their letter no.184 dtd 10.07.2023 (copies enclosed) has informed that their team has also inspected the above said locations and reviewed the clarification and the necessary documents submitted by the AG&P City Gas Pvt Ltd., and verified all the points in accordance with the latest Ministry Guidelines vide letter no. RW/NH-33044/29/2015/S&R dtd 22.11.2016 and submitted the report as detailed below,

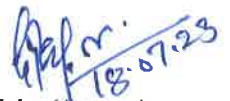
- (i) AG&P City Gas Pvt Ltd., submitted their proposal for laying of Gas supply Pipeline. The locations of the proposal across the NH-44 are from Km 414/700 to Km 431/900 for the length of 17200 mts on LHS and 02 nos of crossings for the length of 120 mts.
- (ii) The ROW details as per available records are 60 mts.
- (iii) The agency submitted the necessary methodology, undertakings and check list for laying of Pipeline found in accordance with the latest Ministry guidelines.
- (iv) The road may be widened to 6 Lanes in future. The agency submitted the undertaking that shifting / extending the Pipeline as and when necessary is to be carried out at their own cost.



9. In view of the above, the Consultants has opined that the permission may be accorded to AG&P City Gas Pvt Ltd., to lay Pipeline with 2.0m depth along entire proposed stretch.
10. In this regard, it is to inform that the proposal submitted by AG&P City Gas Pvt Ltd., is in order and in accordance with MoRT&H guidelines. The certificate in respect of conformity of the proposal is enclosed.
11. In view of the above, approval of the Competent Authority is sought for laying Pipeline in the utility corridor of NH in the stretch from Km 414/700 to Km 431/900 for the length of 17200 mts on LHS and Q2 nos of crossings for the length of 120 mts by AG&P City Gas Pvt Ltd., for a total length of 17320 m.

Encl: As above (1 set of proposal).

Yours faithfully



(J.L. Meena)

DGM (Tech.) & Project Director

**CERTIFICATE IN RESPECT OF PERMISSION FOR LAYING OF GAS PIPELINE FROM FROM
KM 414/700 TO KM 431/900 FOR THE LENGTH OF 17200 MTS ON LHS AND 02
NOS OF CROSSINGS FOR THE LENGTH OF 120' MTS ACROSS THE HYDERABAD
BANGALORE ROAD SECTION OF NH44**

It is hereby certified as under

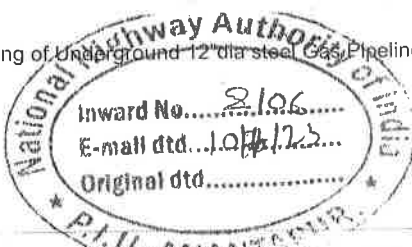
1. All the standard conditions issued vide Ministry / NHAI Circulars are incorporated in the proposal and the same is herewith confirmed.
2. The available width of ROW is 60 m in the stretch from km 414/700 to km 431/900 on BHS. Sufficient ROW is available to accommodate six-laning in future.
3. The permission after approval will be recorded in a "Register of Permissions" in the prescribed proforma.



(J.L. Meena)

DGM (Tech.) & Project Director


Sengupta



NHAI PIU Anantapur <nhaipiatp@gmail.com>

Laying of Underground 12" dia steel Gas Pipeline along NH-44 from Km 414/700 to Km 431/900 for the length of 17200 mts- Request for according permission for laying of pipeline-reg.,

Varun Singh <varun.singh@ibigroup.com>

Thu, Jul 6, 2023 at 11:52 PM

To: "nhaipiatp@gmail.com" <nhaipiatp@gmail.com>

Cc: Saurabh Bhatia <sbhatia@ibigroup.com>, Naresh Kummari <naresh.kummari1795@gmail.com>, Yasin Haidery <yasin.haidery@ibigroup.com>, Harsewak Singh Panesar <harsewak.panesar@ibigroup.com>, "prj142405 (NHLML OFC AE Project)" <prj142405@ibigroup.com>, Mohit Barthwal <mohit.barthwal@ibigroup.com>, Sanjay Gupta <sanjay.gupta@stl.tech>, Mukesh Singh <mukesh.singh@ibigroup.com>, Rohit Sourabh <rohit.sourabh@stl.tech>

Dear sir,

This is in reference to above cited subject. A joint inspection is required by representative of M/s IBI (A.E. of the OFC Project), M/s STL (Contractor of the OFC Project) and AG&P (Contractor of the Gas Pipe line Project) for the subjected section for Laying of Underground 12"dia steel Gas Pipeline along NH-44 from Km 414/700 to Km 431/900 for the route length of 17200 mts.

I am writing to discuss the gas pipeline work that needs to be undertaken in the offset of 29.5 to 30 meters. As per our previous discussion with the gas pipeline Project Manager Mr. Dhanaraju Chinta, it has been determined that a working space of 0.5 meters is sufficient for the gas project.

After careful consideration and consultation with the Mr. Chinta, I would like to inform you that gas pipeline work may proceed within this specified offset. The required space of 0.5 meters will provide the necessary conditions required for the engineer to carry out the work effectively.

Apart from that, I would like to inform you that our OFC work will execute in between 28 to 29.5 metre RoW. As per our previous discussion with Mr. Sanjay, STL representative, he has confirmed that STL is comfortable to execute OFC work in said offset. In case any constraints are observed as per actual gas pipeline execution, STL will take necessary approvals from respective PIU on any RoW deviations on a case by case basis.

Thank you for your understanding and cooperation in this matter.

Thanks

Varun Singh

[Quoted text hidden]



SA INFRA STRUCTURE
CONSULTANTS PVT LTD

In
Association
with



UPHAM INTERNATIONAL
CORPORATION
Engineers, Estimators and Project Managers

Project Office :
First Floor, D. No. 6-2-994, Plot No. 4&5,
Survey No. 55.2B, Ramnagar, Anantapur,
Dist:- Anantapur, (Andhra Pradesh) - 515 001
Phone No.: +91 8554796783
Email: tl.omthydblr@sainfra.co.in

Letter No. SAICPL-UIC/ATP/NHAI/2023/184

Date: 10.07.2023

To,
The Project Director,
National Highways Authority of India,
6-4-239, 3rd Cross, Maruthi Nagar,
Anantapuram – 515004.

Dear Sir,

Sub: Consultancy Service of Supervision Consultancy Services (SC) for Operation and maintenance of Hyderabad – Bangalore section from Km.211.000 to Km.462.164 of NH 44 (Old NH 7) in the state of Andhra Pradesh: **Laying of Underground 12"dia Steel Gas Pipeline along NH-44 from Km 414/700 to Km 431/900 for the length of 17200 mts. Request for according permission for laying of pipeline- Report submitted - reg.,**

Ref: 1. NHAI/PIU-ATP/11021/23/NOC/0681. Dtd. 07.07.2023.
2. AG&P City Gas Pvt. Ltd., letter no.AGP/CG/ATP/NHAI/23-24/19 Dtd.03.07.2023

The Project Director, NHAI, PIU, Anantapuram, in the reference 1st cited above has requested the authority Engineer, IBI group India Pvt. Ltd., to inspect the site and furnish comments /observations in respect of the above proposal submitted by AG&P City Gas Pvt. Ltd. & keeping in view of the on-going OFC duct work and all the standard conditions issued vide Ministry / NHAI Circulars

The SC Team has inspected the Site and submit herewith the observations as follows:

1. The Authorised Signatory, AG&P City Gas Pvt. Ltd., in their vide reference letter (2) has submitted the proposal for laying of Steel Gas pipe line in a length of 17200m along the stretch from Km 414/700 to Km 431/900 on LHS of Hyderabad - Bangalore Section of NH-44, for further approval. The proposed length is completely on LHS of MCW and Required RoW is available. The Steel Gas Pipeline starting chainage at NH-44 from Km.414/700 to km.431/900 on NH-44 and up to a length of 17200m towards Bangalore.
2. The applicant has submitted Undertakings for:
 - i) Not to damage other utility, if damaged, then will pay the losses either to NHAI or concerned agency.
 - ii) Submission of Performance Bank Guarantee @ Rs.250/- per running meter for 12" ie., 305mm dia Steel Gas Pipeline for a period of one year after obtaining the approval.
 - iii) Confirming all standard conditions of NHAI's guidelines.
 - iv) Shifting of Steel gas pipeline as and when required by NHAI at applicant's own cost.
 - v) Shifting due to 6-laning/widening of NH.
 - vi) Traffic movement during laying of Steel gas pipeline to be managed by the applicant.
 - vii) If any claims raised by the Concessionaire then the same must be paid by the applicant.
 - viii) Prior intimation and approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations for the gas pipeline located in National Highway Right of Way.


Y. R. Subramaniam
10-7-23

- ix) Indemnify against all damages and claims as per clause Sl.no.5.6 of check list.
 - x) Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway furniture or Property, while laying/maintenance/ shifting of gas pipeline will be borne by the agency owning the steel gas pipe line.
 - xi) If NHAI consider it is necessary in future to move the utility line for any work of the improvement or repairs to the road, it will be carried out as desired by NHAI at cost of the agency owning the utility within a reasonable time (not exceeding 60days) from the date of the intimation given.
 - xii) For renewal of BG when ever asked by MoRTH / NHAI.
 - xiii) That text of the license deed is as per verbatim of MoRTH format issued vide Ministry's Circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016.
3. As per the plan submitted, the applicant has proposed for laying of Underground 12" ie., 305mm dia steel Natural Gas Pipeline along NH-44 from km.414/700 to km.431/900 for the length of 17200 m.
4. Applicant submitted methodologies for laying of 12" ie., 305mm dia steel Gas Pipeline along NH-44 along, while submitting the above proposal.
5. The typical cross section of the trench for laying of Steel pipe line is examine and it is observed that 12" ie., 305mm Steel pipe line duct which will occupy more than 0.8 mtr space and shoe 1.2mts below ground level. In this connection it is to submit that Carrying of swage/gas pipeline on highways bridges shall not be permitted as fumes/ gases pipes can elevate the process of corrosion or may cause explosions, as being much more affected than the leakage of water. Hence, it is advisable to lay the gas pipeline below 1.2 mtr below ground level for the safety of the road users and public living surrounding the gas pipeline.
6. As letter has been addressed to the authority Engineer, IBI group India Pvt Ltd., to inspect the site and furnish comments/ observations in respect of the above proposal submitted by AG&P City Gas Pvt Ltd, further action may please be taken after obtaining report from Authority Engineer, IBI group India Pvt Ltd.,

This is for information and necessary action Please.

Assuring best of our services at all times.

**For SA Infrastructure Pvt. Ltd., in association
With Upham International Corporation.**

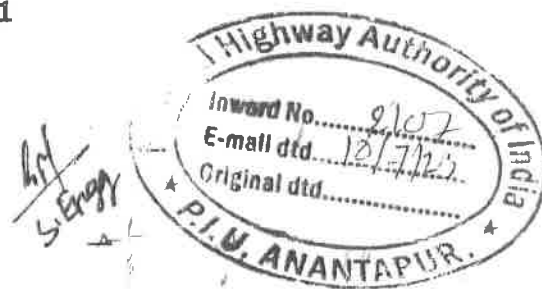

Yr Subramanyam
Team Leader

Copy to: 1. Authorized Signatory SA Infrastructure Pvt. Ltd., Noida.

Letter No. AA/HW/NHAI/2446/2023-24/2671
Date 10.07.2023

To,
The Project Director
Project Implementation Unit (PIU),
National Highways Authority of India,
Anantapur, Andhra Pradesh.

E-mail: nhaipiuatp@gmail.com



Sub: DPR - Consultancy Services for preparation of DPR for "Augmentation of existing 4 lane Section of NH-44 from Km.211.00 (Kurnool) to Km. 534.72 (Devanahalli Village in the State of Karnataka) to 6 lane Partial Access Controlled Highway in the State of Andhra Pradesh & Karnataka"-
"Laying of Underground 12" dia steel Gas Pipeline along NH-44 from Km.414/700 to Km.431/900 for the length of 17200mts"-
Report submitted-reg

Ref: NHAI Letter No. NHAI/PIU-ATP/11021/23/NOC/0681 Dt.07.07.2023

Dear Sir,

This has reference to the letter cited wherein it has been informed that M/s. AG&P City Gas line Pvt.Ltd, has submitted proposal for laying of Gas pipeline in a length of 17200m along the stretch from Km.414/700 to 431/900 on LHS of Hyderabad-Bangalore section of NH-44 and requested to inspect the site and furnish a detailed report.

In this regard, site inspection has been carried out and following comments are herewith furnished.

- (i) Applicant has proposed to lay the water pipeline from Km.414+700 to 431+900 (LHS)
- (ii) The Following TCS has been proposed at aforementioned stretch as per the Draft Detailed Project Report.

S. No	Description	TCS No.
1	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median	IA
2	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides	II
3	Typical Cross Section for Widening of Existing 4-lane to 6 lane with raised median and service roads on both sides (Footpath cum drain)	IIIA
4	Typical Cross Section for 6 Lane LVUP/VUP/Flyover approach with service roads on both sides (New Construction)	IVA

S. No	Description	TCS No.
5	Typical Cross Section for Widening of Existing 4-Lane to 6-LVUP/VUP/Flyover approach with service roads on both sides (Widening)	IVB
6	Typical Cross Section for 6-Lane ROB/LVUP/VUP approach retained (Overlay) + Service Road (New)	IV C
7	Typical Cross section for existing 6 - lane without service road (overlay)	XI B

(iii) As per the above mentioned Typical Cross sections, provision for Utility Corridor of 2m has been made at the edge of RoW for accommodating the Utilities.

(iv) Further there is existing ROB @ Km.420+500, VUP @ Km.423+575 and PUP@ Km. 419+834. In addition to above, 2 No's Flyovers and 5 No's VUPs are being proposed as per the DDPR. The details are enclosed at **Annexure-I**. Permission from Railway Authorities may be required at ROB crossing location.

(v) Bids were invited by NHAI, HQ for the construction of construction Half clover leaf interchange at km.416.005 at KIA section.

(vi) Further, Forest stretches along Penukonda, Somandepalli villages falling at different locations from Km.428+000 to Km.434+000. As per the Authority's instructions, DPR consultant has done DGPS survey in presence of forest officials at above stretch for confirmation of NH Boundary at above stretch.

(vii) The DGPS survey coordinates & layout maps were submitted to Authority and Authority has forwarded the same to Forest Department. The response of Forest department is awaited in this matter.

(viii) We have been informed that NHLML appointed the M/s. Sterlite Technologies Limited for taking up the construction of Dark Fiber OFC project and IBI Group India Pvt. Ltd, has been appointed as Authority Engineer for supervision of said project.

In view of the above, it is to mention that as the Contractor and Authority Engineer appointed by NHLML specifically for construction and supervision of OFC network on NH-44, accordingly permission may be granted based on their recommendations.

This is submitted for information and necessary action.

With Best Regards,

for Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,



(S. S Reddy)

Team Leader cum Senior Highway Engineer

Enclosed: As stated.

Copy to:

1. Regional Officer, NHAI, Vijayawada – for kind information.

Lr No: AGP/CG/ATP/NHAI/23-24/19

Date:03-07-2023

To
The Projector Director
NHAI
Anantapur
Andhra Pradesh

Sub: Laying of Underground 12"(304mm) dia Steel Along NH-44 from Km 414/700 to Km 431/900 for the length of 17200 Mts and 02 Nos of 18"(457mm) dia steel crossing across NH-44. – Request for Accordance of Permission for laying of Pipeline.

Ref:

1. Letter No: AGPCityGas/Ananthapur/27, Dated: 07.09.2021.

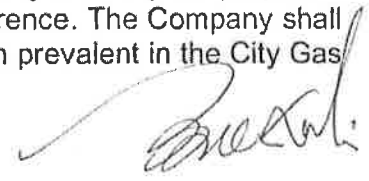
Dear Sir,

Greetings from AG&P!

Atlantic Gulf & Pacific ("AG&P") Group, headquartered in Manila, Philippines, is 119-year-old, global infrastructural company delivering gas logistics solutions and construction services for various blue-chip companies across some of the world's most demanding infrastructure projects with high safety records. AG&P is making clean natural gas conveniently available to multiple customer streams in emerging markets by providing integrated supply chain solutions.

AG&P has been authorized by the Petroleum and Natural Gas Regulatory Board (PNGRB, constituted under The Petroleum and Natural Gas Regulatory Board Act, 2006 notified via Gazette Notification dated 31st March, 2006) to establish City Gas Distribution (CGD) infrastructure in GA 10.01 Anantapur and Kadapa District (**Annexure 1**). AG&P will develop pipeline network in Anantapur District for Piped Natural Gas supply (PNG) to the domestic, commercial, and industrial customers; and supply of Compressed Natural Gas (CNG) to the automotive vehicles.

As a part of this project, we are planning to lay pipeline from LCNG station (Raptadu) to NHAI HWY Jn Raptadu. For this, the pipeline will be laid along the road about 1 to 1.5 m inside from the extreme edge of existing ROW of the NHAI RoW. The depth of the proposed pipeline would be approximately of 2.0m. We are hereby attaching the drawing showing the proposed pipeline route map (**Annexure-2**) with this letter for your ready reference. The Company shall follow all the best standards of Safety and Inspection practices as in prevalent in the City Gas Distribution Industry.



Details of the proposed pipeline route are tabulated below.

#	Details of Road	Pipe Dia	Pipe Material	Start-End Location		Start-End Road Chainage		Length (M)	RHS / LHS
1	Along the NH-44 (Hyderabad-Bangalore) Road	12"	Steel	Kia Motors	Somenda palli	Ch:414/700	Ch: 431/900	17200	LHS
2	Across the NH-44 (Hyderabad-Bangalore) Road	18"	Casing Pipe-Steel	Kia Motors		Ch: 414/700		60	Crossing
3	Across the NH-44 (Hyderabad-Bangalore) Road	18"	Casing Pipe-Steel	Somendapalli		Ch: 431/900		60	Crossing

The proposed pipeline will be laid as per the following details.

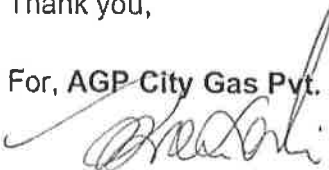
1. The construction procedure for Steel Pipeline will comply with ASME 31.8 and ISO 4437 / IS 14885.
2. AG&P shall follow the methodology for laying the pipeline as per the instruction of NHAI authorities.
3. Upon laying of the Pipeline site will be backfilled and handed over to the authority.
4. All safety precautions shall be taken during the laying, testing and maintenance of the pipeline. For ensuring safety valve stations are installed along the pipeline.
5. After grant of approval of the authority, AG&P will provide intimation to concerned officials before starting of the excavation work and upon completion of work.
6. Isolation valve shall be provided at every 4-5 kms for operation and maintenance purpose. Underground valve pits of size 2X4 Mtrs also be installed.
7. Company shall ensure to take utmost care while laying of pipeline.

We hereby submit that we will undertake the laying of pipeline work at a depth of 2.0 mts below ground level and in a width of 0.8 mts of utility corridor after receipt of approval from NHAI and before the laying of OFC cable, is possible without disturbing the same.

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

Thank you,

For, AGP City Gas Pvt. Ltd.


Gumalapalli A Venkatesh
Regional Head-Anantapur and Kadapa (YSR) District.

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Guidelines for processing the proposal for laying of Underground Gas Pipeline in the land along the National Highways vested with NHAI.

Sl.No	Item	Information /Status	Remarks
1	General Information		
1.1	Name and address of the Applicant/ Agency	M/s. AGP City Gas Private Limited, 1st Floor, BNR Complex, Door No:8-288C, District Court Road, Anantapur- 515001, Andhra Pradesh, India.	
1.2	National Highway Number	NH-44	
1.3	State	Andhra Pradesh	
1.4	Location	Near KIA motors Anantapuram	
1.5	Chainage/Km	NH-44 from KM 414/700 to KM 431/900 (Kia Motors to Somendapalli Cross road) on LHS & 02 nos of crossings at Km 414/700 & at Km 431/900 from LHS to RHS of Hyderabad-Bangalore road section of NH-44	
1.6	Length in meters	17320Mts	
1.7	Width of available Row		
	a) Left side from centre line towards increasing chainage /Kms direction	30M	
	b) Right side from centre line towards increasing chainage/km direction	30M	
1.8	Proposal to lay the utility		
	a) Left side from centre line towards increasing chainage /Kms direction	-	
	b) Right side from centre line towards increasing chainage/km direction	Yes as per the drawings attached (utility corridor)	
1.9	Proposal to acquire the land	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	



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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	-	
1.11	Details of already laid services, if any along the proposed route	NA	
1.12	Number of existing lanes (2,4,6,8 lanes)	4 lane	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not If yes then which side	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.15	Proposed service road	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	In Utility Corridor at extreme edge of ROW	
1.17	Whether carrying of Gas pipeline has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same	NA	
1.18	Whether carrying of Gas pipeline has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same	NA	
1.19	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 expanses of the agency owning the line	Yes	
	a) Whether the existing drainage structures are allowed to carry the utility pipeline	No	
	b) Is it on align normal to the NH	Yes	
	c) What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the National Highways. The minimum distance being 15mts.	>15Mts	



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Project Director
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	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. Mention type of casing	Yes. Steel type of casing	
	e) Ends of the casing pipe shall be sealed from the outside. So that it does not act as a drainage path	Yes	
	f) The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of the slope in the fills.	Yes	
	g) The top of the casing/Conduit pipe should be at least 1.20m below the surface of the roads subject to being at least 0.30m below, the drain inverts. Mention the proposed details	Yes	
	h) Mention the methodology proposed for crossing of road for the proposed GAS pipeline. Crossing shall be by boring method (HDD)(Trenchless Technology). Specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD. 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 water way along it	Yes	
2	Document/Drawings to be enclosed with the proposal	Yes Enclosed	
2.1	Cross section showing the size of the trench for open trenching method (Is it nominal size of 1.20m deep X 0.3m wide) (i) Should not be greater than 60Cm 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 meters from the center-lines of the nearest carriage way. (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 0.60 mts below the ground level so as not to obstruct drainage of the road land.	Enclosed	
2.2	Cross section showing the size of the pit and location of pipeline for HDD method	Yes	
2.3	Strip plan/ route plan showing the utility/ Gas pipeline chainage, width of ROW, distance of proposed pipeline from the edge of ROW. Important milestone intersections, cross drainage works etc.	Yes Enclosed as per drawing	



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Project Director
NHAI P.I.U., Anantapur.



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2.4	Methodology for laying of the utility pipeline	Yes 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, what is the Methodology of refilling of trench		
	(a) The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe.	Enclosed	
	(b) For filling of the trench bedding shall be to a depth of not less than 30cm. it shall consists of granular material. Free of lumps, clods and cobbles and graded to yield a firm surface in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe (ii) overfill to the bottom of the road crust.	Yes	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor's density. Overfill shall be compacted to the same density as the material that had removed. Consolidation by saturation or pending will permitted.	Yes	
	(e) The road crust shall be built to the same strength as existing crust on either side of the trench. Shall be taken to avoid the formation of a dip at the trench.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Yes	
	(g) If required a diversion shall be constructed at the expense of agency owning the utility line	Yes	
2.4.2	Horizontal directional drilling method (HDD method)	02 nos of locations	
2.4.3	Methodology for laying of the pipeline through CD works and method of laying In case where the carrying of Gas pipeline on the bridge becomes inescapable	NA	
3	Draft licensee agreement is signed by two witnesses	Enclosed	
3.1	The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016 and circular dtd 24.04.2023	Yes	



Project Director
NHAI P.I.U., Anantapur.



AGSP Pratham
DRIVE AHEAD
AGP CITY GAS PRIVATE LIMITED
Shop No. 2, 1st Floor, D.No. 8-288C,
BNR Complex, Court Road,
ANANTAPUR - 515 001. (A.P.)

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4	Whether Performance bank guarantee as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016 is obtained.	Yes	
4.1	Confirmation of BG has been obtained are not as per MORTH/ NHAI Guidelines	BG shall be submitted as per NHAI Guidelines	
5	Affidavit/ undertaking from the applicant from the following is to be furnished	Yes Enclosed	
5.1	Undertaking not to damage any other utility, If damaged to pay the losses either NHAI or to the concerned agency.	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/ NHAI.	Yes will be obtained after submission of BG	
5.3	Undertaking for confirming all standard condition of Ministry circulars and NHAI's Guidelines.	Yes Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	Yes Enclosed	
5.5	Undertaking for management of traffic movement during laying utility line without hampering the traffic.	Yes Enclosed	
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid b the applicant.	Yes Enclosed	
5.7	Undertaking prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repair of alterations to the utility (AG&P Gas Pipeline) located in National Highway right-of-ways.	Yes Enclosed	
5.8	Undertaking that expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MORTH format issued vide ministry's circular number : RW-NH-33044/29/2015/S&R(R) dated: 22-11-2016	Yes Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity. Chief controller of Explosives. Petroleum and Explosive Safety Organization. Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearance s applicable, before applying to Highway Administration.	Yes Enclosed	



[Signature]
Project Director
 NHAI P.I.U., Anantapur.



[Signature]
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 BNR Complex, Court Road,
 ANANTAPUR - 515 001. (A.P.)

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5.11	If the MoRTH/NHAI considers it necessary in future to move the utility (AG&P Gas Pipeline) for any work of improvement or repair to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of agency owning the utility line within the reasonable time (not exceeding 60 days) of the intimation given.	Yes Enclosed	
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. (ii) We do undertaking that we will relocate service road/approach road/Utilities at my/our own cost notwithstanding the permission granted within such time as will stipulated by NHAI for future six lining or any other development.	Yes Enclosed	
6	Who will sign the agreement on behalf of Gas pipe line agency	Gumalapalli A Venkatesh Regional Head M/s. AGP City Gas Private Limited, 1st Floor, BNR Complex, Door No:8-288C, District Court Road, Anantapur-515001, Andhra Pradesh	
	Power of attorney to sign the agreement is available or not.	Yes	
7	The project director will submit the following certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's circular number: RW/NH/33044/29/2015/S&R(R) dated: 22-11-2016.	Yes	
7.2	Certificate from PD in the following format (i) It is certified that any other location of the Gas pipe line would be extremely difficult and unreasonable costly and the installation of Gas pipe line within ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve etc., (ii) For 6-lanning (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 at site for accommodating proposed 6 lining"	Enclosed	



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Project Director
NHAI P.U., Anantapur.



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AGSP pratham
DRIVE AHEAD
AGP CITY GAS PRIVATE LIMITED
Shop No. 2, 1st Floor, D.No. 8-288C,
BNR Complex, Court Road,
ANANTAPUR - 515 001. (A.P.)

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8	If NH section to be 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/ duct has also been granted as a right of way of to the concessionaire under the concession agreement for upgrading of (..... Section from Km..... to Km..... of NH no:-..... on Build Operate and Transfer basis) and the licensee shall honors the same.	NA	
9	Who will supervise the work of laying of Gas pipeline		
	a) On behalf of the applicant	Gumalapalli A Venkatesh Regional Head M/s. AGP City Gas Private Limited, 1st Floor, BNR Complex, Door No:8-288C, District Court Road, Anantapur-515001, Andhra Pradesh	
	b) On behalf of MORTH/NHAI	PD, PIU, NHAI, ATP	
10	Who will ensure that the defects in road portion after lying of Gas pipeline are corrected and if not corrected then what action will be taken.		
	a) On behalf of the applicant	Gumalapalli A Venkatesh Regional Head M/s. AGP City Gas Private Limited, 1st Floor, BNR Complex, Door No:8-288C, District Court Road, Anantapur-515001, Andhra Pradesh	
	b) On behalf of NHAI	PD, PIU, NHAI, ATP	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire		
	On behalf of applicant	Gumalapalli A Venkatesh Regional Head M/s. AGP City Gas Private Limited, 1st Floor, BNR Complex, Door No:8-288C, District Court Road, Anantapur-515001, Andhra Pradesh	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Proforma (copy enclosed)	Yes	



Project Director
NHAI P.I.U., Anantapur.

Signature



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13	If any previous approval is accorded for laying of underground Gas pipeline then photocopy of register of records of permission accorded (as maintained by PD) be enclosed.	Yes	
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AGSP Pratham
 Name Designation and Signature of the
 authorized representative of applicant
AG CITY GAS PRIVATE LIMITED
 Shop No. 2, 1st Floor, D.No. 8-288C,
 BNR Complex, Court Road,
 ANANTAPUR - 515 001. (A.P.)

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 25/01/2022

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Name Designation and Signature of
 concerned filed authority of NHAI
Project Director
NHAI P.I.U., Anantapur.



Methodology adopted for laying of pipe line

1. After thorough study of entire stretch of proposed pipeline laying, we have proposed to lay our pipeline along the road from KM 414/700 to 431/900 and Across NH-44 at Anantapur in the state of Andhra Pradesh LHS of Hyderabad-Bangalore Road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh.
2. We have proposed to lay our pipeline within 02 mts from the extreme boundary according to the availability of space.

Protection technology in case of culverts /canals

1. Pipeline invert level will be kept above the water level in the drains or culverts by constructing abutments and thrust blocks at the ends and middle if necessary. However the same shall be discussed with the NHAI officials on case to case basis and pipe routing shall be decided as per their advice.

Methods


1. Open trench include Manual and Machine trenching
2. Trenchless technology by Horizontal Directional Drilling (HDD) Method
3. Bridge Crossing Open trench method:

Open trench method:

There will be a continuous digging following a single line in an open trench. The depth of the trench will be 2.0m in the normal soil condition. Open trench will be carried out manually and with machines. Cross section of the trench is attached herewith. Trench will be in ROW limits and will be marked with lime powder to keep it straight. Trench will be barricaded with safety signs. This method will be used wherever normal soil is available for open trench. Trench will be laid clear of drains, service roads, truck lay bays wherever existing on the Highways. In case of Hilly terrain pipeline laying will be done by breaking the hard rock with means of Pneumatic breaker by following safety measures and the excavated trench will be backfilled with borrowed soil.

Backfilling: Backfilling shall be done with well compacted Granular material after ensuring soft material padding. Adequate dry compaction shall be done before crowning. Compaction shall be done in layers of 15 cm each. The trench shall be filled up to the required height of 2.0m measured from top of pipe trench cross section drawing attached in the proposal. A




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No. 2, 1st Floor, D.No. 8-288C,
3NR Complex, Court Road,
ANANTAPUR - 515 001. (A.P.)

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crown of 250mm shall be made at top of backfilled trench to cater for soil settlement. No surplus soil shall be left outside the trench. Entire area shall be restored and debris removed and disposed off in a safe manner and in line with requirements of the authority having jurisdiction over the area.

Methodology adopted for laying of pipeline

Installation of pipeline in crossings by Trenchless Techniques (HDD)

For the process of HDD excavation of only 2 pits each of standard size 2x0.8x1.65 is required which is called entry pit and exit pit on outside ROW. Pit size may vary based on site condition. The first stage drills a pilot hole on the designed path, and the second stage (reaming) enlarges the hole by passing a larger cutting tool known as reamer. The reamer's diameter depends on the size of the duct to be pulled back through the bore hole. The driller increases the diameter according to the outer diameter or the conduit and to achieve optimal production. The third stage places the duct in the enlarged hole by the way of the drill stern. It is pulled behind the reamer to allow cantering of the duct in the newly renamed path. Pit site may vary based on site condition. Entry and exit pits shall be dug at both ends of the segment which shall later on become either a location for manhole/hand-hole. The drilled hole profile between entry and exit pits (except transition areas) shall be as straight as possible.


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Shop No. 2, 1st Floor, D.No. 8-2803,
BNR Complex, Court Road,
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Water Body Crossing

water bodies and other natural obstructions can be crossed by open-cut method without using existing infrastructures such as bridges and culverts depending upon the availability of permissions from concerned authorities. In the cases, pipe line laying technique shall be such that protection of Steel Pipe line is ensured. Necessary protection will be provided.

crossings cross roads, Approach Road, Acceleration & Deceleration Lanes and Fuel station Roads No trenching will be done on the link road, boring methods will be used for crossing the crossroad, Approach roads, Acceleration & Deceleration lanes and Fuel station roads. Pipeline will be laid at the extreme edge of the road in the non-BT surface only.

Crossing of a small river or channel by HDD

Open cut method is used when installation on bridge / culvert is not available. This method however is more suited to seasonal water bodies (prone to flowing water such as nala/ stream / river/ canal etc.) which may be completely /partially dry during installation period. This method can also be used for small water bodies where it is possible divert water for short period of installation.

Note: Trench Technology will be used (e.g.: HDD) where ever available ROW is restricted and utility corridors cannot be conveniently earmarked.


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AGCL CITY GAS PRIVATE LIMITED
Shop No. 2, 1st Floor, D.No. 8-286C,
BNR Complex, Court Road,
ANANTAPUR - 515 001. (A.P.)