



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, कृष्णलंका, विजयावाड़ा - 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 - TPT/NOC/AG&P/2023-24/2478 Dt.30.06.2023

To

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

Sub: **RO - Vijayawada** - Permission for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli Section of NH-4 by M/s. AG&P Gas Pvt. Ltd. for a total length of 23.280 Kms in the State of Andhra Pradesh - **Public comments - Reg.**

Sir,

Please find enclosed herewith a proposal submitted by M/s. AG&P Gas Pvt. Ltd. for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli Section of NH-4 for a total length of 23.280 Kms 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.

Encl: As above

Yours faithfully,

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

Copy to:

- (i) PD, PIU - Tirupati
- (ii) M/s. AG&P Gas Pvt. Ltd - for information.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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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 - TPT/NOC/AG&P/2023-24/ 2479 Dt.30.06.2023



INVITATION OF PUBLIC COMMENTS

Sub: **RO - Vijayawada** - Permission for gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli Section of NH-4 by M/s. AG&P Gas Pvt. Ltd for a total length of 23.280 Kms in the State of Andhra Pradesh - **Public comments - Reg.**

The Project Director, PIU - Tirupati submitted a proposal of M/s. AG&P Gas Pvt. Ltd for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli Section of NH-4 for a total length of 23.280 Kms 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, डी.नं : 1/5/564/C, बालाजी कालनी, लक्ष्मी नारायण कल्याण मंडपम, तिरुपति- 517 502
Project Implementation Unit, D.No. 1-5-564/C, Balaji Colony, Opp. Lakshmi Narayana Kalyana Mandapam, Tirupati - 517 502, A.P.
Ph No : 0877-2245060, email : nhaitirupati@gmail.com, piutirupati@nhai.org

NHAI/PIU-TPT/070RN-22/Sl. No. 24-OFC/2022-23/535

Date: 26.06.2023

To,

The Regional Officer,
National Highways Authority of India,
Vijayawada.



Sub: NHAI - PIU-Tirupati - AT/TN Border to Nalagampalli Section of NH-4 - Request for permission for laying gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli Section of NH-4 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh. of AP/TN Border - Nalagampalli Section of NH- for a total length of 23.280 Kms in the State of Andhra Pradesh -
Approval - Requested - Reg

Ref: (i) M/s. AG&P Lr. No. AGP-CVK-VLR-CGD-GOT-0922-0337, dated 12.09.2022
(ii) T/o. Lr. No. NHAI/PIU-TPT/ NH-4/Reg. Sl. No. 24-OFC/2022/2683, dated 27.03.2023
(iii) AE, M/s. Aarvee Associates Lr. No. AA/NHAI/CTR/P-I/2119/22-23/2683, dated 27.03.2023
(iv) T/o. Lr. No. NHAI/PIU-TPT/NH-4/Reg. Sl. No. 24-OFC/2022/2383, dated 31.03.2023
(v) M/s. AG&P Lr. No. Nil, dated 26.04.2023
(vi) T/o. Lr. No. NHAI/PIU-TPT/NH-4/Reg. Sl. No. 24-OFC/2023-24/188, dated 09.05.2023
(vii) AE, M/s. Aarvee Associates Lr. No. AA/NHAI/CTR/P-I/2119/23-24/2734, dated 30.05.2023

Sir,

With reference to the above subject cited, it is to inform that M/s AGP City Gas Pvt. Ltd., vide letter cited under reference (i) above requested to accord permission for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli section of NH-4 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh.

2. This office vide letter cited under reference (ii) above requested the Authority Engineer, M/s. Aarvee Associates to examine the above proposal as per MORT&H norms. Accordingly, the Authority Engineer vide letter cited under reference (iii) above has stated that that the proposal has been verified and the following observations were made.

- At ROB location from Km 135+500 to Km 137+000 and also in front of Collector Office, Chittoor at VUP location from Km 154+000 to 156+600 and at service road location from Km 156+600 to 158+170 (RHS) pipelines cannot be accommodated due to unavailability of space and there is no possibility for open cut method.
- Many Electrical towers has existed in utility corridor all along the Highway, the agency has not given any clarity for execution of pipelines in the tower areas.

3. Accordingly, this office vide letter cited under reference (iv) above requested the applicant to re-submit the proposal duly complying the observations raised by the Authority Engineer. The Applicant vide letter cited under reference (v) above re-submitted the proposal duly complying the observations raised by Authority Engineer and requested for granting permission for laying gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli section of NH-4 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh.

4. This office vide letter cited under reference (vi) above requested the Authority Engineer, M/s. Aarvee Associates to verify the proposal in accordance with the extant guidelines / norms issued by MoRT&H vide Lr. No. RW-NH-33044/29/2015/S&R (R), dt. 22.11.2016 and to furnish the feasibility report along with specific recommendations. In turn, Authority Engineer vide letter cited under reference (vii) above submitted the detailed report stating that the proposal was reviewed and found in order and recommended stating the following:

- (i) *Joint inspection was carried out along with the representative of AG&P City Gas, Nellore.*
- (ii) *The project Highway is 45 mtr. RoW and the utility corridor shall be 2 mtr. on either side. As per NHAI guidelines 2.4.1 "Open trench method may be allowed within utility corridor only" and also as per NHAI Guidelines the gas pipeline should adpt Trenchless Technology (HDD method) wherever crossing the cross roads / junctions and the berm width is less.*
- (iii) *The laying of underground gas pipeline shall be strictly as per Ministry's Lr. No. RW/NH-33044/29/2015/S&R(R), dated 22.11.2016.*
- (iv) *No utility service shall be laid over existing culverts and bridges, the applicant shall make his own arrangement for crossing of cross drainage structure, rivers etc., below the bed.*
- (v) *The applicant has to execute the works without any damages to the existing utilities on / underground.*
- (vi) *The cost of operation and maintenance will have to be borne by the applicant as per the agreement.*

- (vii) *The applicant has to ensure that the pipeline shall be laid in such a manner that it causes least interference to the traffic movement and also traffic safety.*
- (viii) *The utility services shall be shifted within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned Authority to shift / relocate the utility services, in case it is so required for improvement /widening of the road / route / highway or construction of flyover / bridge and restore the road / land to its original condition at the risk and cost of M/s. AGP City Gas Pvt. Ltd.,*
- (ix) *The interference with any other service line existing in the alignment of the proposed underground gas pipeline shall be fully assessed prior to taking up of work and the matter shall be taken with the concerned service providers for redressal.*
- (x) *Applicant shall strictly adhere to the undertakings furnished along with the proposal.*

5. In this connection, the proposal submitted by M/s. AG&P City Gas Pvt. Ltd., was examined and the following are furnished herewith:

- (i) Check list
- (ii) Undertaking for submission of Performance Bank Guarantee as per the requirement of NHAI.
- (iii) Undertaking for shifting / Relocation of pipelines & Optical Fiber Cables (as per Sl. No. 5 of Checklist).
- (iv) Draft License Agreement regarding granting of ROW permission for laying telecom cable / OFC / ducts Plan showing proposed pipeline crossing.
- (v) Indemnity Bond.
- (vi) Key Map
- (vii) Route Strip Plans.
- (viii) Calculations for amount to be paid to NHAI towards License fee.
- (xi) AG&P has given undertaking that "The utility services shall be shifted within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned Authority to shift / relocate the utility services, in case it is so required for improvement /widening of the road / route / highway or construction of flyover / bridge and restore the road / land to its original condition at the risk and cost of M/s. AGP City Gas Pvt. Ltd.,"
- (ix) Laying of OFC Work shall be carried out in co-ordination with the representatives of Contractor and Independent Engineer with intimation to NHAI.

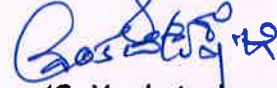
6. The calculation of License fee to be collected for laying of subject Gas Pipeline as submitted by the agency is found to be in order as per MoRT&H Circular dated 24.04.2023.

7. While conveying approval of the subject proposal, Competent Authority may instruct the applicant to co-ordinate with the concerned utility laying agency and also with utility owning agencies if any., who laid their utility along the existing road earlier.

8. In view of the above, the proposal of M/s AGP City Gas Pvt. Ltd., is herewith forwarded for approval of the Competent Authority for granting of ROW permission for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli section of NH-4 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh.

Encl: As above

Yours faithfully



(G. Venkateshwarlu)
Project Director,
PIU-Tirupati

Copy to: AE, M/s. Aarvee Associates, Chittoor - 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, डो.नं : 1/5/564/C, बालाजी कालनी, लक्ष्मी नारायण कल्याण मंडपम, तिरुपति- 517 502
Project Implementation Unit, D.No. 1-5-564/C, Balaji Colony, Opp. Lakshmi Narayana Kalyana Mandapam, Tirupati - 517 502, A.P.
Ph No : 0877-2245060, email : nhaitirupati@gmail.com, piutirupati@nhai.org

CERTIFICATE

Undersigned has examined the proposal of the applicant for laying of gas pipeline of 12" (305 mm) Carbon Steel pipe & 40 mm OFC duct along the road from Km 134/890 to Km 135/550 (LHS) & from Km 135/550 to Km 136/300 (RHS) & from Km 136/300 to Km 136/360 (LHS) & from Km 136/360 to Km 137/000 (RHS), from Km 137/000 to Km 141/000 (LHS) from Km 141/000 to Km 155/860 (RHS) from Km 155/860 to Km 158/170 (LHS) for a total length of 23.280 Kms and crossings at Km 135/550, Km 136/300, Km 136/360, Km 137/000, Km 141/000 & Km 155/860 along AP/TN Border - Nalagampalli section of NH-4 by M/s. AG&P Gas Pvt. Ltd., in the State of Andhra Pradesh and confirms all the standard conditions satisfied which are issued by Ministry Circular F. No. RW/NH-33044/29/2015/S&R(R), dated 22.11.2016.

1. It is certified that there will not be hindrance to the 4-laning & if it needed, immediate shifting or re-location of proposed pipeline and OFC cable by the agency at their cost as per the undertaking given by the agency.
2. It will be ensured that supervision of the work of laying of utility and ensured that the defects in road portion if any, after laying of utility are corrected.
3. It will be ensured that proposed permission is entered in the register of records.


(G. Venkateshwarlu)
Project Director,
PIU-Tirupati

Authority's Engineer for 4-Lane with Paved Shoulders of
AP/Tamil Nadu Border - Nalagampalli - AP/Karnataka
Border of NH-4 in the state of Andhra Pradesh under
NHDP-IV on EPC Mode

Letter No. AA/NHAI/CTR/P-I/2119/23-24/2734
Date: 30th May, 2023

To,
The Project Director,
National Highways Authority of India,
Project Implementation Unit-Tirupati,
Door No. 1-5-564/C, Balaji Colony
Opp. Lakshmi Narayana Kalyana Mandapam,
Tirupati - 517 507.

Sub: Rehabilitation and Upgradation of NH-4 from Andhra Pradesh/ Tamilnadu Border (Existing Km.133.360/Design Km.134.890) to Nalagampalli village (Existing Km.171.590/Design Km.172.000) to four lane with paved shoulder Design Length =37.110 km under NHDP-IV in the State of Andhra Pradesh on EPC mode-**Reg:** Request for permission for laying gas pipeline of 12"(305mm) Carbon steel pipe with 125mm MDPE underground Gas Pipeline & 40 mm dia OFC duct along the road from km 134/890 to Km 135/550 (LHS), from Km 135/550 to Km 136/300 (RHS), from km 136/300 to Km 136/360 (LHS), from Km 136/360 to km 137/00 (RHS), from Km 137/000 to km 141/000 (LHS), 141/000 to 155/860 (RHS) & from 155/860 to 158/170 (LHS), and also across @ Km 135/550 Km .136/300, Km 136/360, Km 137/00, Km 141/000 & Km 155/860 of AP/TN Border-Nalagampalli section of NH-for a total length of 23.280 Kms in the state of Andhra Pradesh.

Ref: (I) M/s . AG&P Lr.No. AGP-CVK-VLR-CGD-GOT-0922-0337, dated 12.09.2022
(ii) T/o. Lr. No. NHAI/PIU-TPT/ NH-4/Reg.SI.No. 24-OFC/2022/2683, dated 27.03.2023
(iii) AE, M/s. Aarvee Associates Lr.No. AA/NHAI/CTR/P-I/2119/22-23/2683, dated 27.03.2023
(IV) T/o. Lr. No. NHAI/PIU-TPT/NH-4/Reg. SI. No. 24-OFC/2022/2383, dated 31.03.2023
(v) NHAI/PIU-TPT/NH-4/ SI. No. 24-OFC/2023-24/188 dated 09.05.2023.

Dear Sir,

This has reference to the above cited subject, wherein we were requested to submit a detailed report on subject matter.

We have examined the submitted proposal by M/s. AGP City Gas Private Ltd, for laying of underground 125 mm dia MDPE pipe line along NH-69/NH-4/Old by Open cut method & for 12" dia steel pipeline by HDD method and submitting our detailed report duly keeping in view of Agreement provisions and joint site visit.

1. The project Highway is 45 mtr Row in that the utility corridor shall be 2 mtr on either side. As per NHAI guidelines 2.4.1 "Open trenching method may be allowed within utility corridor only" and also as per NHAI guidelines the gas pipeline laying should adopt Trenchless Technology (HDD Method) wherever crossing the cross roads /junctions and the berm width is less.

2. The agency of M/s. AGP City Gas Private Ltd proposal submitted the pipe laying methodology of underground 125mm dia MDPE pipeline along NH-69/NH-4/Old chainage at Km 134+890 to km 158+170 and crossings at Six locations, adopting the laying process open trenching method, Trenchless Technology (HDD Method) at cross roads /junctions, hill sections, bus stops and at location of electric towers within ROW in utility corridor the chainage wise details enclosed Annexure-A

The laying of Underground gas pipe line shall be strictly As per Ministry's letter No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.The Guidelines as follow:-

1. The laying of Underground Gas Pipeline shall be strictly as per the Ministry's letter No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and as per the details / drawings indicated in the proposal.
2. As per Ministry's letter dated 22.11.2016 M/s. AG&P City Gas Pvt Ltd shall ensure that the laying of Underground Gas Pipeline is not laid over the existing Culverts & Bridges except through the utility ducts where such provision exists. In case of absence of such provisions.
3. All the existing utilities are to be checked and verified by M/s. AG&P City Gas Pvt Ltd before commencement of the work and ensure that no damage is caused to the existing utilities. If any damages are caused to the existing utilities by M/s. AG&P City Gas Pvt Ltd has to bear the cost of rectification works.
4. M/s. AG&P City Gas Pvt Ltd should adopt Trenchless technology wherever Underground Gas Pipeline crosses the cross roads/junction locations and wherever the berm width is less.
5. No digging of the carriageway will be allowed and working pits, if any, shall be made outside the ROW.
6. M/s. AG&P City Gas Pvt Ltd shall ensure that, avenue plantation, rainwater harvesting system and boundary stones are not disturbed. Damages any, shall be got rectified under Risk and Cost of M/s. AG&P City Gas Pvt Ltd.
7. M/s. AG&P City Gas Pvt Ltd shall follow the latest guidelines issued by MORT&H while executing the work.
8. Free flow of traffic on NH-69/old NH-4 should be maintained at any point of time by M/s. AG&P City Gas Pvt Ltd while carrying out the work of laying of Underground Gas Pipeline
9. The proposed laying of the Underground Gas Pipeline shall be laid in such a manner that it causes least interference to the traffic movement and also traffic safety.
10. M/s. AG&P City Gas Pvt Ltd will be responsible for any hazard during the laying of Underground Gas Pipeline.
11. M/s. AG&P City Gas Pvt Ltd shall shift the utility services within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement /

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widening of the road/route/highway or construction of flyover/ bridge and restore the road/land to its original condition at Risk and Cost of M/s. AG&P City Gas Pvt Ltd.

12. The interference with any other service line exist in the alignment of the proposed Underground Gas Pipeline shall be fully assessed prior taking up of work and the matter shall be taken up with the concerned service providers for redressal

13. Applicant shall strictly adhere to the undertakings furnished along with the proposal. Any discrepancy would lead to violation of the Ministry's guidelines.

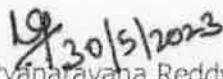
- Further the new agency is going to mobilize and start balance works in the project as per new agreement (I.e. at ROB location from km 135.000 to 137.000, and VUP location from Km 154.000 to 155.860 at length of 3.860 km). In this locations 45 mtr ROW will be occupied for road construction works (Six line VUP with both side slip roads), and also for laying of Gas pipe line M/s. AG&P City Gas Pvt Ltd agency taken up the works after completion of road works with HDD Method only.

- In view of the above it is reported that the laying of gas pipeline along the highway from km 134/890 to Km 135/550 (LHS), from Km 135/550 to Km 136/300 (RHS), from km 136/300 to Km 136/360 (LHS), from Km 136/360 to km 137/00 (RHS), from Km 137/000 to km 141/000 (LHS), 141/000 to 155/860 (RHS) & from 155/860 to 158/170 (LHS), and also crossings in transverse direction @ Km 135/550 Km.136/300, Km 136/360, Km 137/00, Km 141/000 & Km 155/860 an total length along the highway is $158/170 - 134/890 = 23.280$ km and crossings at Six locations $6 \times 45 = 270$ Mtrs Total length $(23.280 + 270 = 23.550)$ shall be fulfill the necessary terms and conditions as per NHAH guidelines and Ministry's letter No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.

This is for your kind information and necessary action.

With best regards,

For Aarvee Associates Architects Engineers and Consultants Pvt. Ltd.,


N. Satyanarayana Reddy

Team Leader

Encl :

Copy to:

1. M/s. Aarvee Associates, HO, Hyderabad.

**CHECK LIST FOR GETTING APPROVAL FOR LAYING OF
UNDERGROUND GAS PIPELINE ON NH LAND**

Guidelines to Project Director for Processing the Proposal for laying of Underground Gas Pipeline in the land along the National Highways vested with NH.

• **Relevant circulars**

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.1.1969
- 2) Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003
- 8) Ministry Circular No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016

Check list for getting approval for laying of Underground Gas Pipe Line on NH land

S. No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	M/s. AGP City Gas Private Limited, 3rd Floor, Ramana Business Center, Opp. PVR velocity Mall, Katpadi, Vellore 632006	
1.2	National Highway Number	NH-4	
1.3	State	TamilNadu.	
1.4	Location	(Ranipet – Chittoor Section) in Andhra Pradesh State.	
1.5	(Chainage in km)	From Km.134/890 to Km.135/550 (LHS) from Km.135/550 to Km.136/300 (RHS), from Km.136/300 to Km.136/360(LHS) , from Km 136/360 to Km.137/00 (RHS), from Km.137/00 to Km.141/00 (LHS) , from 141/00 to 155/860 (RHS), from 155/860 to 158/170(LHS) and across @ Km.135/550, Km.136/300, Km.136/360, Km 137/00, 141/00 & Km.155/860 of (Ranipet - Chittoor Section) in Andhra Pradesh State	

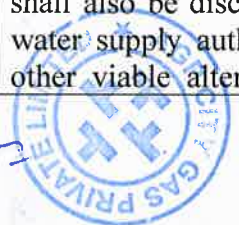
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1.6	Length in Meters	23280 Meters	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction	22.50 meters.	
	(b) Right side from center line towards increasing chainage/ km direction	22.50 meters.	
1.8	Proposal to lay underground Gas pipe line.		
	(a) Left side from center line towards increasing chainage / km direction	21.50 meters.	
	(b) Right side from center line towards increasing chainage/ km direction	21.50 meters.	
1.9	Proposal to acquire land	No	
	(a) Left side from center line	Nil	
	(b) Right side from center line	Nil	
1.10	Whether proposal is in the same side where land is not to be acquired	No	
	If not then where to lay the Pipe	No	
1.11	Details of already laid services, if any, along the proposed route	Nil	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 Lane/4 lane with Service Road	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	6 lane with Service Road	
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	Yes, Show in Drawings	
	(b) Right side from center line	Yes, Show in Drawings	
1.15	Proposed Service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Gas Pipe line is after the service road or between the service road and main carriageway	No, Close to ROW	
1.17	<p>The permission for laying of Gas Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.</p> <p>(a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as Fumes /gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.</p> <p>(b) Carrying of Gas Pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the</p>	<p>Considered for approval based on the NH circular.</p>	

1.8.10.8



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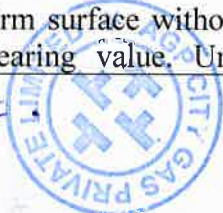
	<p>highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs, etc</p> <p>(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.</p> <p>(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the NH Project Director only.</p>		
1.18	<p>If crossings of the road involved</p> <p>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</p>	Yes	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes	
	(b) Is it on a line normal to NH	Yes	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures	Yes	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	Yes	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Yes	
	(g) The top pf the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous	Yes	

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	concrete type.		
	(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	Document / Drawings enclosed with the proposal	Yes	
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.	Yes	
2.2	Cross section showing the size of pit and location of gas pipe line for HDD method	Yes	
2.3	Strip plan/ Route Plan showing Water Supply pipe line, Chainage, width of ROW, distance of proposed, pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying of showing Gas pipe line.	Yes	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench	Yes	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes	
	(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	Yes	

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	edged should be excavated and replaced by selected material.		
	(c) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	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 been removed. Consolidation by saturation or ponding will not be permitted. (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.	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 (HDD) Method	Yes	
2.4.3	Laying of Gas Pipe Line through CD works and method of laying	No.	
	(a) On approaches, the water mains/cables shall be carried along a line as close to the edge of the right-of way as possible up-to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No.NH-HI/P/66/76 dated 19.11.1976.	Yes	
3	Draft License Agreement signed by two witnesses	Yes, enclosed with proposal	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs100/- 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 cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at	To be obtained.	

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	least 50m away from the edge of the right of way. No payment shall be payable by the NH to the licensee for clearing debris/loose earth.		
4.1	Performance BG as per above is to be obtained.	To be obtained.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	To be obtained at the time of execution of Agreement.	
5	Affidavit / Undertaking from the Applicant for	Yes	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, enclosed with proposal	
5.2	Renewal of Bank Guarantee	Yes, enclosed with proposal	
5.3	Confirming all standard condition of NH rules	Yes, enclosed with proposal	
5.4	Shifting of Gas pipe line as and when required by NH at their own cost	Yes, enclosed with proposal	
5.5	Shifting due to 4 lanning / widening of NH	Yes, enclosed with proposal	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes, enclosed with proposal	
5.7	Traffic movement during laying of Gas pipe line to be managed by the applicant	Yes, enclosed with proposal	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes, enclosed with proposal	
5.9	Prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas Pipe line located in the National highway right-of-ways.	Yes, enclosed with proposal	
5.10	Expenditure, if any, incurred by NH 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 agency owning the line.	Yes, enclosed with proposal	
5.11	If the NH 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 NH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, enclosed with proposal	

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5.12	<p>Certificate from the applicant in the following format</p> <p>(i) <i>Laying of Gas Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</i></p> <p>(ii) for 4 –laning <i>“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 NH” for future four - laning or any other development.”</i></p>	Yes, enclosed with proposal	
6.	Who will sign the agreement on behalf of Gas pipe line agency	<p>M/s. AGP City Gas Private Limited,</p> <p>3rd Floor, Ramana Business Center, Opp. PVR velocity Mall, Katpadi, Vellore 632006</p>	
7	Certificate from the Project Director.		
7.1	<p>Certificate for confirming of all standard condition issued vide Ministry Circular No. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003 and Ministry Circular No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016.</p>	(Yes)	
7.2	<p>Certificate from PD in the following format</p> <p>(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”.</p> <p>(ii) for 4 –laning</p> <p>(a) Where feasibility is available “I do certify that there will be no hindrance to proposed Four-laning based on the feasibility report considering proposed</p>	(Yes)	

4.2.16.8



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	structures at the said location”. (b) In case feasibility report is not available “I do certify that sufficient ROW is available at site for accommodating proposed four-laning”.		
8	If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement. <i>“The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation Along the road from Km.134/890 to Km.135/550 (LHS) & from Km.135/550 to Km.136/300 (RHS) & from Km.136/300 to Km.136/360(LHS) , from Km 136/360 to Km.137/000 (RHS), from Km.137/000 to Km.141/000 (LHS), from Km.141/000 to Km. 155/860 (RHS), from Km. 155/860 to Km. 158/170 (LHS) and also across @ Km.135/550, Km.136/300, Km.136/360, Km. 137/00, Km.141/000 & Km.155/860 of (Ranipet – Chittoor Section) for a total length of 23.280 Kms in National Highways, Tirupati, , in the state of Andhra Pradesh NH-4 on Build, Operate and Transfer Basis and therefore, the licensee shall honour the same.”</i>	N.A	
9	Who will supervise the work of laying of Gas pipeline	Consultants and relevant filed Officers of NH.	
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.	BG will encashed. Claim amount will be determined according to the nature and seriousness of damages.	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	The Applicant should pay claims.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Yes.	
13	If any previous approval is accorded for laying of underground Gas Pipeline, then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Yes.	

THE PROJECT DIRECTOR, NHAI-PIU- TIRUPATI.

Project Director
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