



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)

परियोजना कार्यान्वयन, इकाई. सोलापूर (महाराष्ट्र)

Project Implementation Unit, Solapur (Maharashtra)

कार्यालय : प्लॉट नं. ई-२, जय जलाराम नगर, शिवदारे कॉलेजच्या मागे, जुळे सोलापूर, सोलापूर-४१३००४ (महाराष्ट्र)

Office : Plot No. E- 2, Jai Jalaram Nagar, Behind Shivdare College, Jule Solapur, Solapur - 413 004. Tel/Fax - 0217 2303379

ई-मेल /Email : solapur@nhai.org; piusolapur@gmail.com * वेब /Web : https://nhai.gov.in



No.: NHAI/PIU/SLP/NH-13/OFC Cable/2024-25/ 3351

Date: 17.12.2024

INVITATION OF PUBLIC COMMENTS

Sub.: Four laning of Solapur to Vijayapura section of NH-13 (NEW NH-52) from Ch. 0/000 to Km. 110/542 in the state of Maharashtra & Karnataka on BOT Mode- **Permission for laying underground 8" dia Steel pipeline and 125mm MDPE pipeline at Km 102.100 to Km 102.740 RHS for the length of 0.640 Km along NH-52 in the State of Karnataka - Reg.**

Sir

1. M/s AGP City Gas Pvt. Ltd, Kalburgi has submitted the proposal to lay underground 8" dia. Steel pipeline and 125mm MDPE pipeline at Km 102.100 to Km 102.740 for the length of 0.640 Km along NH-52 in the State of Karnataka.
2. As per the guidelines, issued by the Ministry vide OM No. RW /NH-33044/29/2015/ S&R(R) dated 22.11.2016, the application 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).
3. In view of the above, comments of the public on the above application is invited to below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

The Project Director
 National Highways Authority of India
 Project Implementation Unit, Solapur
 Plot No. E-2, Jalaram Nagar,
 Solapur, Maharashtra,
 Pin - 413004

Thanking you,

(राकेश जवादे)

महाप्रबंधक (त) तथा परियोजना निदेशक,
भा.रा.रा.प्रा., इकाई. सोलापूर.

Copy to:-

- i. CGM (Tech) RO Mumbai for information please.
- ii. Master file.



AGP/KV/NH-52/STPL/2024-25/01

Date: 16-10-2024

To,
The Project Director
National Highways Authority of India
Project Implementation Unit, Solapur
Plot No. E-2, Jalaram Nagar,
Solapur, Maharashtra 413 004

Sub.: Laying of underground 8" dia Steel Gas Pipeline and 125mm MDPE pipeline along NH-52 KM 102.100 to KM 102.740 for the length of 0.640 Km. **Request for Accordance of Permission for laying of the Pipeline.**

Ref: 1. MoRTH Circular No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016.
2. MoRTH Circular No. RW-NH-33032/01/2017-S&R (R) dated: 26.06.2020.

Dear Sir,

Greetings! Hope you are doing well.

With reference to the above subject, 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 10.18 - Kalaburagi and Vijayapura Districts (Annexure 1). The project is primarily intended to supply Piped Natural Gas (PNG) to Domestic households, Commercial Establishments and industries and Compressed Natural Gas (CNG) to transport vehicles. These projects are categorized as Public Utility by the Government of India (GOI) and this project has a larger effect on the common man due which is commercially benefit to them The City Gas Distribution (CGD) Project is part of the Government of India's vision for a gas-based economy and raising the share of Natural Gas in the country's primary energy basket to 15% by 2030, from 6.2% currently. Greater use of natural gas will cut fuel costs as well as bring down carbon emissions, helping the nation meet its COP-26 commitments.

As a part of this project, we are planning to lay pipeline along NH-52. Details of the proposed pipeline route are tabulated below.

Sl. No.	Details of the Road	NH Ch. (Km) From	NH Ch. (Km) To	Length	Remarks
Along National Highway-52					
1	NH-52	102.100	102.740	0.640	Along NH-52

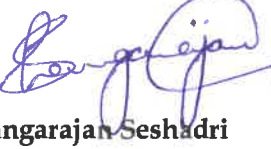
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आवक क्र.	3094
दिनांक	17/10/2024
ए. पी.	
लेखापाल	
साईट इंजिनियर-१	
साईट इंजिनियर-२	
साईट इंजिनियर-३	
साईट इंजिनियर-४	
एल. ए.	
स्टेनोग्राफर	

The company shall remit all the applicable charges on receipt of your demand note, we shall ensure to take utmost care while laying of the pipeline and crossing of the pipeline will be carried by Open Cut/Horizontal Directional Drilling (HDD method) if any damage occurs during the work, we will repair the surface immediately as per the standard and guideline of Highway department. The Company shall follow all the best Safety and Inspection practices standards in the City Gas Distribution Industry.

Request your good self to consider our proposal and accord the permission solicited at the earliest.

Thank you.

For AGP City Gas Pvt. Ltd.


Rangarajan Seshadri
Regional Head (Kalaburagi & Vijayapura)



**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/across the National Highways vested with NH.

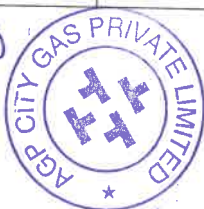
Relevant circulars

- 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

Sr. No	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	M/s. AGP City Gas Private Limited, Shop No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Kalaburagi - 585102	M/s. AGP City Gas Private Limited
1.2	National Highway Number	NH-52	NH-52
1.3	State	Karnataka	Karnataka
1.4	Location	Vijayapura District	Vijayapura District
1.5	(Chainage in km)	KM 102.100 to KM 102/740	KM 102.100 to KM 102/740 Total Length 0.64 KM
1.6	Length in Meters	640 Meters	640 Meters
1.7	Width of available ROW	NH-52 60 M	NH-52 60 M
	(a) Left side from center line towards increasing Chainage / km direction	NH-52 30 M	NH-52 30 M
	(b) Right side from center line towards increasing Chainage / km direction	NH-52 30 M	NH-52 30 M



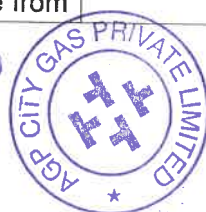

1.8	Proposal to lay underground Gas pipe line.		
	(a) Left side from center line towards increasing chainage / km direction	NA	NA
	(b) Right side from center line towards increasing chainage/ km direction	Yes	Yes
1.9	Proposal to acquire land	NA (Proposed pipeline within NHAI RoW)	NA (Proposed pipeline within NHAI RoW)
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA (Proposed pipeline within NHAI RoW)	NA (Proposed pipeline within NHAI RoW)
1.10	Whether proposal is in the same side where land is not to be acquired	Proposed pipeline within NHAI RoW	Proposed pipeline within NHAI RoW
	If not then where to lay the Pipe	Along NH-52 at the extreme edge of ROW (Utility Corridor)	Along NH-52 at the extreme edge of ROW (Utility Corridor)
1.11	Details of already laid services, if any, along the proposed route	NO	No utilities along the proposed route
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lanes	4 Lanes
1.13	Proposed Number of lanes (2 lane with paved shoulders 4/6/8 lanes)	NA	No
1.14	Service road existing or not	Yes	Yes
	If yes then which side		
	(a) Left side from center line	Yes	Yes
	(b) Right side from center line	Yes	Yes
1.15	Proposed Service Road		
	(a) Left side from center line	No	Service road is existing along proposed route
	(b) Right side from center line	No	Service road is existing along proposed route
1.16	Whether proposal to lay Gas Pipeline is after the service road or between the service road and main carriageway	After the service road	After the service road



1.1 7	Whether carrying of Gas pipeline has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same.	No	Along the service road
1.1 8	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.	No	Along the service road
1.1 9	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	No	No
	(a) Whether the existing drainage structures are allowed to carry the pipeline.	No	Along the service road
	(b) Is it on a line normal to NH	NA	Along the service road
	(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.	NA	Agreed
	(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.	NA	Proposed 8" dia Steel Gas + 125 MM MDPE Pipeline
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	NA	NA
	(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.	NA	NA
	(g) The top of 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	The top cover should be 1.2 meter below the GL
	(h) Mention the methodology	No Road crossings	



	proposed for crossing of road for the proposed Sewage/ gas pipe line, Crossing shall be by boring method (HDD) [Trench-less Technology], specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	involved in the proposed pipeline route.	No Road crossings involved in the proposed pipeline route.
	(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.	NA	NA
2	Document / Drawings enclosed with the proposal	Yes	Enclosed
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 center-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.	Enclosed	Enclosed
2.2	Cross section showing the size of pit and location of gas pipeline for HDD / Boring method	Enclosed	Enclosed
2.3	Strip plan / Route Plan showing Gas pipeline, Chainage, width of ROW, distance of proposed, pipe line from	Enclosed	



	the edge of ROW, important mile stone, intersections, cross drainage works etc.		Enclosed
2.4	Methodology for laying of showing Gas pipeline.	Open Cut	Open Cut
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	Open trenching method	Open trenching method
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Agreed	Agreed
	(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.	Agreed	Agreed
	(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.	Agreed	Agreed
	(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.	Agreed	Agreed
	(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.	Agreed	Agreed




	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Agreed	Agreed
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Agreed	Agreed
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	Enclosed
2.4.3	Methodology for laying of Gas Pipeline through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	NA
3	Draft License Agreement signed by two witnesses	Enclosed	Enclosed
	Performance Bank Guarantee in favour of NHAI/NH PWD 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 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.	Bank Guarantee will be submitted as a when intimated by NHAI PIU (Undertaking Enclosed)	Bank Guarantee will be submitted as a when intimated by NHAI PIU (Undertaking Enclosed)
4.1	Performance BG as per above is to be obtained.	Will be submitted on receipt of Demand Note	Bank Guarantee will be submitted
4.2	Confirmation of BG has been obtained as per NHAI/NH PWD guidelines	BG shall be submitted as per MoRTH Guidelines.	Bank Guarantee will be submitted as per MoRTH Guidelines.
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI/NH PWD or to the concerned agency	Yes; enclosed with proposal	Enclosed with proposal



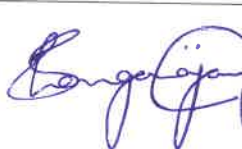
5.2	Renewal of Bank Guarantee	Yes; enclosed with proposal	Enclosed with proposal
5.3	Confirming all standard condition of Ministry Circulars and NHAI's guideline.	Yes; enclosed with proposal	Enclosed with proposal
5.4	Shifting of Gas pipeline as and when required by NH at their own cost	Yes; enclosed with proposal	Enclosed with proposal
5.5	Shifting due to 6 lanning / widening of NH	Yes; enclosed with proposal	Enclosed with proposal
5.6	Indemnity against all damages and claims clause (xxiv)	Yes; enclosed with proposal	Enclosed with proposal
5.7	Traffic movement during laying of Gas pipeline to be managed by the applicant	Agreed	Will be taken care during the execution of the work
5.8	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant	Yes; enclosed with proposal	Agreed for the same
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 Pipeline located in the National highway right-of-ways.	Yes; enclosed with proposal	Agreed for the same
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 Pipeline will be borne by the agency owning the line.	Yes; enclosed with proposal	Agreed for the same
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	Agreed for the same



5.1 2	Certificate from the applicant in the following format (i) <i>Laying of Gas Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</i> (ii) for 6 –laning “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 six- Lanning or any other development.”	Yes; enclosed with proposal	Agreed for the same
6.	Who will sign the agreement on behalf of Gas pipeline agency	Rangarajan Seshadri Regional Head, M/s. AGP City Gas Private Limited, 1-6,3 rd Floor, Prime Mall, Station Road, Gulbarga-585102	
7	The Project Director will submit the following.		
7.1	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.		

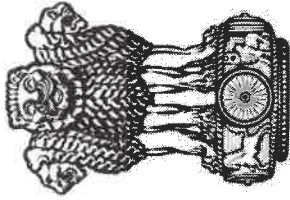



7.2	Certificate from PD in the following format (i) "It is certified that any other location of the Gas pipeline would be extremely difficult and unreasonable costly and the installation of Gas pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the 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-lanning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-lanning".		
8	If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement. <i>"The permitted Highway on which Licensee has been granted the right to lay the pipelines has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of Section, from on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."</i>		
9	Who will supervise the work of laying of Gas pipeline		
	(a) On behalf of the Applicant	Site Engineer - M/s. AGP City Gas Private Limited.	Site Engineer
	(b) On behalf of NHAI/NH PWD		




10	Who will ensure that the defects in road portion after laying of Gas pipeline are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Site Engineer - M/s. AGP City Gas Private Limited. BG will be enchased. Claim amount will be determined according to the nature and seriousness of damages.	Site Engineer
	(b) On behalf of NHAI/NH PWD		
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire?	M/s. AGP City Gas Private Limited.	M/s. AGP City Gas Private Limited.
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed).		
13	If any previous approval is accorded for laying of underground Gas Pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	NA	New proposal for Laying Gas Pipeline.



सत्यमेव जयते

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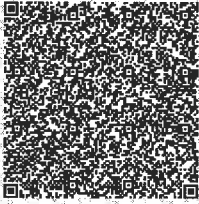
Government of Karnataka

Rs. 100

e-Stamp

Certificate No. : IN-KA42132402543874W
Certificate Issued Date : 16-Oct-2024 01:19 PM
Account Reference : NONACC (FI)/ kacrsf108/ KALABURGI1/ KA-GU
Unique Doc. Reference : SUBIN-KAKACRSFL0829587680251244W
Purchased by : AGP CITY GAS PVT LTD KALABURAGI
Description of Document : Article 12(b) Bond - Amount exceeding Rs. 1000
Property Description : AGREEMENT
Consideration Price (Rs.) : 5,000
(Five Thousand only)
First Party : AGP CITY GAS PVT LTD KALABURAGI
Second Party : PROJECT DIRECTOR NHAI PIU SOLAPUR
Stamp Duty Paid By : AGP CITY GAS PVT LTD KALABURAGI
Stamp Duty Amount(Rs.) : 100
(One Hundred only)

Samanwaya Vaidhodesh Sahakar
Sangh Niyamita, Back Side
Mini Vidhana Soudha, Near Dist. Cou-
KALABURAGI-585102



Please write or type below this line

AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS
FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay 8" Steel Gas Pipeline and 125mm MDPE pipeline along NH-52. Solapur-Vijayapura section from km 102.100 to km 102.740 (0.64 Km).

This Agreement made this day of 202 between NHAI acting in his executive capacity through the General Manager (T) & Project Director, NHAI, PIU-Sholapur (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context include his successors in office and assigns) on the one part, M/s. AGP City Gas Private Limited, a company registered under the Companies Act, 1956 and having its Office at, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors / administrator assignees on the second part.



[Signature]

Statutory Alert:

- The authenticity of this Stamp certificate should be verified at www.stampapp.com or using e-Stamp Mobile App of Stock Holding.
- Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
- In case of any discrepancy, please inform the Competent Authority.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in the following Chainages NH-52.

Along: NH-52

1. From Km. 102.100 to Km. 102.740.

Whereas the Licensee proposes to lay Gas Pipeline, referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services in the following Chainages of NH-52

Along: NH-52

1. From Km. 102.100 to Km. 102.740.

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

Now this agreement witnessed that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permissions to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely:

1. Row permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway. Row is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions / scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the Row and any subsequent user will be permitted to use the Row, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled, Decision of the Authority in relation to fulfilment of technical requirements shall be final and Binding on all concerned parties. In case any disruption / damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging, finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility industrial infrastructure facilities.
4. The Licensee shall pay license fees of Rs..... /- for the initial 5 year period to the Authority. The Licensee fee shall become payable from the date of handing over of Row land to the Licensee, for laying of utilities/ cables /conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m a wide utility corridor on either side of the extreme edge of Row. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The Utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other roadside furniture etc: the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/ parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the authority shall be payable by the Licensee.
9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.



10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing /conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cm. but not more than 60cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - i. Bedding shall be to a depth not less than 30cm. it shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - ii. 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.
 - iii. The side fill shall consist of granular material laid in 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted.
 - iv. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land into the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
18. All required restoration works subsequent to laying of the Pipeline shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank guarantee @Rs.250 Per route metre /Rs -with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority its designated agency as a security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations utility services & interference, interruption, disruption, or failure caused thereof any services etc. in case of licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/its designated agency for any damage sustained by them by reason of the exercise of the RoW facility. Agreement to be prepared for 10 years and Licensee will be paying the charges demanded for a duration of 5 years.



21. The Licensee shall shift the utility services within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned authority to shift/relocate the utility services in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities/underground installations/facilities etc. The Licensee shall ensure the safety and security of already existing underground installations / utilities / facilities etc. before commencement of the excavation /using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible / liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect, or consequential damage caused to them / claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/recover the claims by forfeiture of Bank Guarantee.
24. If the licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of Licensee is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorised representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day, filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The Licensee shall indemnify the concerned agency in co- ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway/and/property. Other than what is herein expressly granted. No use of NH Row will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.

35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of pipelines in the trench (with respect to the NH) and



after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.

36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

37. The Utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellations nor shall it be absolved from any liability already incurred.

38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods, and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:

- a. Operation, repair, and maintenance guidelines given by the manufacturers.
- b. The requirements of Law.
- c. The physical conditions at the Site, and
- d. The safety of operating personnel and human beings.

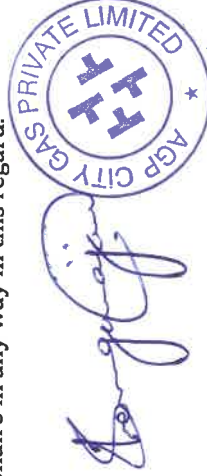
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work. No blasting will be made in ROW.

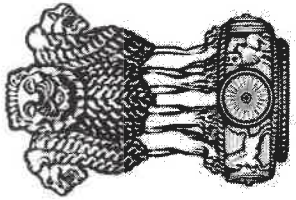
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.

41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be bought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.

42. Any disputes in interpretation of the terms and condition of this agreement or their implementation shall be referred to the redress mechanism prevailing in the ministry and the decision of the redress mechanism shall be final and binding on all.

43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in Mutual agreement with the respective project concessionaires. MoRT&H/NH/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No.
Certificate Issued Date
Account Reference
Unique Doc. Reference
Purchased by
Description of Document
Property Description
Consideration Price (Rs.)
First Party
Second Party
Stamp Duty Paid By
Stamp Duty Amount(Rs.)

: IN-KA42134157603431W
: 16-Oct-2024 01:20 PM
: NONACC (FI)/kacrsf08/ KALABURGI1/ KA-GU
: SUBIN-KAKACRSFL0829607627654741W
: AGP CITY GAS PVT LTD KALABURAGI
: Article 29 Indemnity Bond (As per Article 47)
: INDEMNITY BOND
: 5,000
(Five Thousand only)
: AGP CITY GAS PVT LTD KALABURAGI
: PROJECT DIRECTOR NHAI PIU SOLAPUR
: AGP CITY GAS PVT LTD KALABURAGI
: 100
(One Hundred only)

Samanwaya Vividhodeshi Sahakar
Sangh Hiyamita, Badli Side
Mini Vidhana Soudha, Near Dist. Court
KALABURAGI-585102



Please write or type below this line

INDEMNITY BOND

Name of Work: Laying of 8" Steel Gas Pipeline and 125mm MDPE pipeline along NH-52.
Solapur-Vijayapura section from km 102.100 to km 102.740 (0.64 Km).



[Signature]

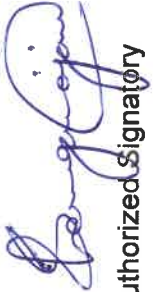
Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.sholestamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Indemnity against all damages and claims as per Sl. No. 5.6 of Checklist

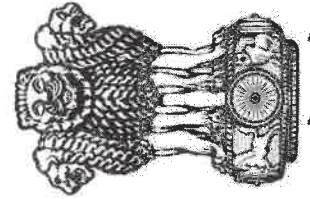
We, **M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102** do hereby indemnify Executive Engineer, NHAI PIU, Kalaburagi binding ourselves to pay all the losses and claims in respect of laying of gas pipeline in the state of Karnataka or maintenance thereof and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof in relation thereto. Failing such payments of claims in the above work we abide in accepting for recovery of such claims affected from any of our assets.

For M/s. AGP City Gas Private Limited,


Authorized Signatory

Rangarajan Seshadri
Regional Head (Kalaburagi & Vijayapura)





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

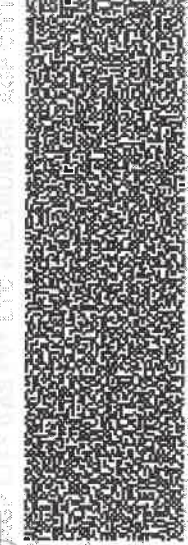
Rs. 100

e-Stamp

Certificate No. : IN-KA42142865559244W
Certificate Issued Date : 16-Oct-2024 01:23 PM
Account Reference : NONACC (FI)/ kacrsf108/ KALABURGI1/ KA-GU
Unique Doc. Reference : SUBIN-KAKACRSFL0829619082821827W
Purchased by : AGP CITY GAS PVT LTD KALABURAGI
Description of Document : Article 4 Affidavit
Property Description : UNDERTAKING
Consideration Price (Rs.) : 0
(Zero)
First Party : AGP CITY GAS PVT LTD KALABURAGI
Second Party : PROJECT DIRECTOR NHAI PIU SOLAPUR
Stamp Duty Paid By : AGP CITY GAS PVT LTD KALABURAGI
Stamp Duty Amount(Rs.) : 100
(One Hundred only)

सत्यमेव जयते

Samanwaya Vignodhish Sahakar
Sangh Niyamita, Back Side
Mini Vidhana Soudha, Near Dist. Court,
KALABURAGI-585102



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UNDERTAKING

We, M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, laying of 8" Steel Gas Pipeline and 125mm MDPE pipeline along NH-52. Solapur-Vijayapura section from km 102.100 to km 102.740 (0.64 Km).



[Signature]

Statutory Alert

1. The authenticity of this Stamp certificate should be verified at 'www.shoestamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

We here by undertake the Standard Conditions of NHA/NH PWD Guidelines:

1. **Not to Damage to Other Utility, if damaged then to pay the losses either to NH or to the concerned agency:** Regarding the location of other cables, underground installation/utilities etc. M/s. AGP City Gas Private Limited shall be responsible to ascertain from the respective agency in coordination with NH. M/s. AGP City Gas Private Limited shall ensure the safety and security of already existing cables/underground installation/utilities facilities etc. before commencement of the excavation.
2. **Renewal of Bank Guarantee:** M/s. AGP City Gas Private Limited shall furnish a Bank Guarantee @ Rs100/- per running meter to the NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NH to M/s. AGP City Gas Private Limited for clearing debris/loose earth. In case the work contemplated herewith is not completed to the satisfaction of the NH, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee, M/s. AGP City Gas Private Limited shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of M/s. AGP City Gas Private Limited failing to discharge the obligation of making good the excavated trench, the NH shall have a right to make good the damages caused by excavation, at the cost of M/s. AGP City Gas Private Limited and recover the amount by invoking the bank guarantee furnished by M/s. AGP City Gas Private Limited.

3. Confirming all standard conditions of NH:

- (i) The period of validity of Way permission shall be co-terminus with the validity of license given by the Ministry of Communications / DoT.
- (ii) The pipeline shall be laid at the edge of the right of way within 2m utility corridors.
- (iii) The top of the casing conduit pipe containing the pipeline shall be at least 1.65m below the surface of the road subject to being at least 0.3m below the drain inverts.
- (iv) The licensee has to cross the NH by horizontal drilling method (trenchless technology only). In case any damage is caused to the road pavement in this process, M/s. AGP City Gas Private Limited will be required to restore the same to the original condition at his own cost.
- (v) Existing CD works shall not be allowed for laying the pipeline and shall be crossed by HDD method only.



- (vi) No trenching will be done on link road, boring method will be used in link road and pipeline will be laid at the extreme edge of the road in the non-BT surface only.
- (vii) The licensee shall inform / give a notice to the NH, Govt. of India or its authorized agency at least 15 days in advance with route details prior to digging trenches for fresh or maintenance/repair work. A separate work plan and a separate performance Bank Guarantee @ Rs100/- per meter length for maintenance/ repair work shall have to be furnished by M/s. AGP City Gas Private Limited.
- (viii) Each day, the extent of digging the trenches should be strictly regulated so that pipelines are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the NH.
- (ix) The Licensee shall indemnify the concerned agency in co-ordination with NH, against all damages and claims, if any, due to the digging of trenches for laying pipeline / ducts.
- (x) The NH has a right to terminate the permission or to extend the period of the agreement. In case the M/s. AGP City Gas Private Limited wants shifting, repairs or alteration to pipeline / ducts, he will have to furnish a separate bank guarantee.
- (xi) The Licensee shall not without prior permission in writing from the NH Govt. of India or its authorized agency undertake any work of shifting, repairs or alterations to the said pipeline / ducts.
- (xii) The permission granted shall not in any way be deemed to convey M/s. AGP City Gas Private Limited any ownership right or any interest in route / road / highway / land / property, other than what is herein expressly granted.
- (xiii) During the subsistence of this agreement, the laying pipeline / ducts located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of M/s. AGP City Gas Private Limited to the use thereof shall not become absolute and indefeasible by laps of time.
- (xiv) M/s. AGP City Gas Private Limited shall bear the stamp duty charged for the agreement.
- (xv) The pipeline shall not be brought in to use by M/s. AGP City Gas Private Limited unless a completion certificate to the effect that the laying gas pipeline / ducts has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
- (xvi) Notwithstanding anything NH contained herein this agreement may be cancelled at any time by the for breach of any condition of the same and the M/s. AGP City Gas Private Limited shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.



(xvii) The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance. If NH is required to do some emergency work M/s. AGP City Gas Private Limited will provide an observer within 24 hours. NH will not be responsible for any damage of any kind by whatsoever means natural or otherwise.

(xviii) The enforceability of the Right of Way permission granted here in shall be restricted to the extent of provisions / scope of service contained / defined in the license agreement of the License with Department and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope of M/s. AGP City Gas Private Limited.

(xix) **Shifting of Pipeline as and when required by NHAI/NH PWD: M/s.** AGP City Gas Private Limited shall shift the gas pipeline / ducts within 90 days (or as specified by the respective agency / owner) from the date of issue of the notice by the NHAI/NH PWD, Govt. of India to shift / relocate the pipeline / ducts, in case it is so required for the purpose of improvement / widening of the road / route / highway or construction of flyover / bridges and restore the road / land to its original condition at his own cost and risk

4. Shifting due to 6 laning / widening of NH: After the termination / expiry of the agreement, M/s. AGP City Gas Private Limited shall remove the pipeline / ducts within 90 days and the site shall be brought back to the original condition failing which the M/s. AGP City Gas Private Limited will lose the right to remove the gas pipeline / ducts. However, before taking up the work of removal of gas pipeline the M/s. AGP City Gas Private Limited shall furnish a bank guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50 m away from the edge of the right of way.

5. Traffic movement during lying of Gas pipeline to be managed by the applicant: If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of M/s. AGP City Gas Private Limited.

6. If any claim is raised by the concessionaire then the same has to be paid by the applicant: M/s. AGP City Gas Private Limited shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved owner for any direct, indirect or consequential damage caused to them/claims or replacement sought for, at the cost and risk of M/s. AGP City Gas Private Limited. The concerned agency in co-ordination with NHAI/NH PWD shall also have a right to make good such damages / recover the claims by way of invoking of Bank Guarantee furnished by M/s. AGP City Gas Private Limited. If M/s. AGP

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City Gas Private Limited fails to comply with the condition 5 and 6 above to the satisfaction of the NH, the same shall be got executed by the NHA/NH PWD at the risk and cost of the M/s. AGP City Gas Private Limited.

7. We, **M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102**, hereby do undertake to furnish a Performance Bank Guarantee @100/- per meter for a period of one year initially (extendable if required till satisfactory completion of work) as a security against improper restoration of ground in terms of filling /unsatisfactory compaction / damages caused to other underground installation utility services & interference interruption, disruption of failure caused thereof to any services etc. In case, M/s. AGP City Gas Private Limited. Failing to discharge the obligation of making good the damages caused due to excavated trench, the NHA/NH PWD shall have a right to make good the damages caused due to excavation at the cost of the M/s. AGP City Gas Private Limited. And recover the amount by invoking the Bank Guarantee. In case the work contemplated is not completed to the satisfaction of NHA/NH PWD, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, M/s. AGP City Gas Private Limited shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.

8. Not to damage to other utility. If damaged, then to pay the losses either to NH or to the concerned agency.

9. In case the work contemplated is not completed to the satisfaction of NHA/NH PWD, which has granted the permission within a period of 11 months from the date of issue of the Bank Guarantees, M/s. AGP City Gas Private Limited shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.

10. We will relocate Gas pipelines / Utilities at our own cost, notwithstanding the permission granted within such time as will be stipulated by NH "for future six-lining or any other development."

11. We M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, hereby undertake that "The existing avenue plantation is not affect due to the present proposed Gas Pipeline across NH-52 from NH Chainage **102.100** to km **102.740** in the State of Karnataka".

12. We M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, hereby undertake to adopt trench less technology (HDD) where the available width of ROW is less than 15.00m.

13. We M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, hereby undertake that the pay the fee / rent as



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mentioned in the Ministry's Guidelines Lr. No. RW/NH - 33044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NH.

14. We M/s. AGP City Gas Private Limited, No. 1-6, 3rd Floor, Prime Mall, Station Main Road, Gulbarga - 585102, hereby undertake that the HDD method will be adopted for crossings of all cross roads at grade separators, at grade junctions and wherever required and in the buildup areas as per the instructions of NH officials.
15. Lr. No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NH. Reference Circular issued by Ministry of Road Transport & Highways, GOI, Circular No. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016. Where in, the last paragraph that "The Highway Administration Rules 2004 will be modified accordingly. This circular will come in to effect from the date of notification of the modified Highway Administration Rule" So we hereby give our consent to abide by the content of this circular from the date of its notification by MORTH, GOI and agree to pay the ground rent any other charges applicable for the section as applied by us.

For M/s. AGP City Gas Private Limited,
(Authorized Signatory)



Rangarajan Seshadri
Regional Head (Kalaburagi & Vijayapura)
AGP City Gas Pvt Ltd

Methodology of Laying of Gas Pipeline Along NH-52

Trenching Method:

Laying of Gas Pipeline along NH-52 will be done by conventional method i.e. Manual and Machine trenching method. The dimension of the trench will be 170 cms in depth and 100 cms in width. Pipeline laying work will be carried out in phased manner in such a way that after the laying of pipeline, the trench will be reinstated to its original surface.

Trench Filling Method:

As a measure of abundant precaution against future settlement and other allied problems, only selected granular material will be used in filling reinstatement of trenches. The entire depth of cutting will be filled with excavated material, compacted in layers not exceeding 75 mm when compacted by ordinary power roller / plate compacter. Special Compaction equipment like plate compacter, frog hammer will be utilized besides ordinary power roller.



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HORIZONTAL DIRECTIONAL DRILLING

HORIZONTAL DIRECTIONAL DRILLING

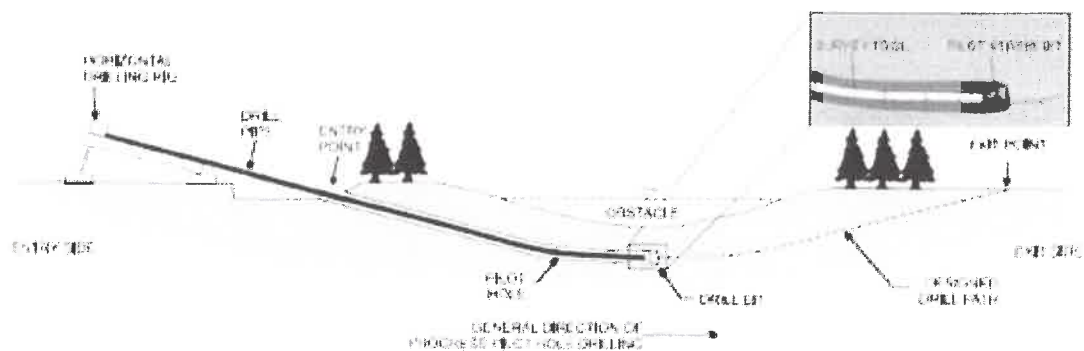
Horizontal Directional Drilling (HDD) – A trenchless method of installing pipe in the ground at variable angles using a guidable drill head

- Used when trenching or excavation is not feasible/practical – Water crossings, road and railway crossings, sensitive wildlife habitats, etc.
- Suitable for variety of soil conditions and pipe diameters

HDD process:

The process starts with receiving hole and entrance pits. These pits will allow the drilling fluid to be collected and reclaimed to reduce costs and prevent waste. 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 the back reamer. The reamer's diameter depends on the size of the pipe 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 product or casing pipe in the enlarged hole by way of the drill stem; it is pulled behind the reamer to allow centering of the pipe in the newly reamed path.

1) Pilot hole – Initial bore drilled along designed drill path

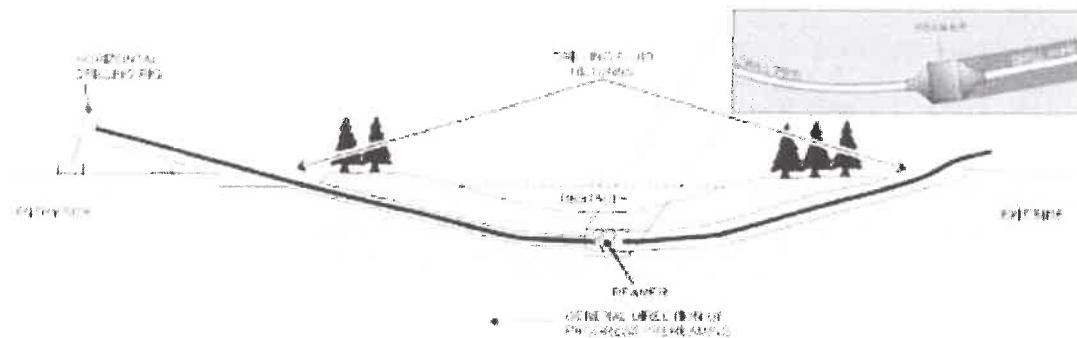


Source: CAPPS Publication 2004-0022

2) Reaming pass(es) - increasing the diameter of the pilot hole to allow pipe pullback; may not be necessary for smaller diameter pipelines

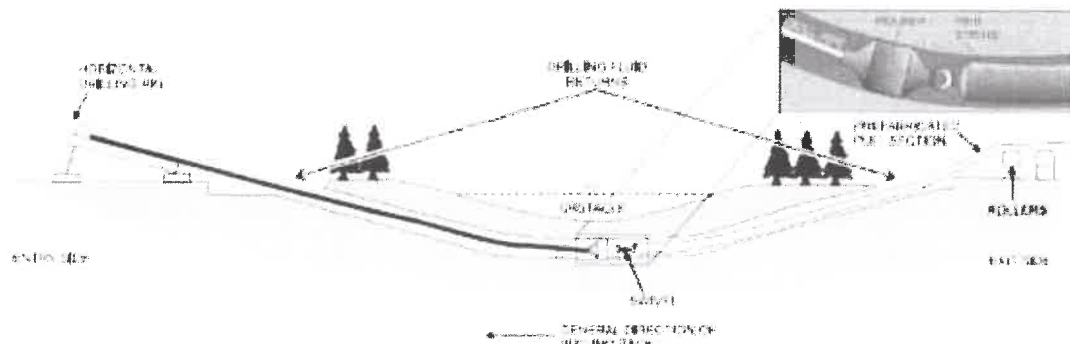


HORIZONTAL DIRECTIONAL DRILLING



Source: CAPP Publication 2004-0022

3) Pipe string pull back – pull back of pre-fabricated pipe



Source: CAPP Publication 2004-0022

Drilling fluids are pumped through drill head during pilot bore, reaming passes and pipe pull back. Horizontal directional drilling is done with the help of a viscous fluid known as drilling fluid. It is a mixture of water and, usually, bentonite or polymer continuously pumped to the cutting head or drill bit to facilitate the removal of cuttings, stabilize the bore hole, cool the cutting head, and lubricate the passage of the product pipe. The drilling fluid is sent into a machine called a reclaimer which removes the drill cuttings and maintains the proper viscosity of the fluid. Drilling fluids hold

HORIZONTAL DIRECTIONAL DRILLING

the cuttings in suspension to prevent them from clogging the bore. A clogged bore creates back pressure on the cutting head, slowing production.

Drilling fluids = water + additives (bentonite, polymers, surfactants, etc.)

- Aid drilling process– Suspend and remove drill cuttings
 - Cool and lubricate drill stem and bit
 - Stabilize bore hole
 - Reduce friction between drill/pipe and bore wall

Applications:

The process is used for installing telecommunications & power cable conduits, water lines, sewer lines, gas lines, oil lines, product pipelines and environmental remediation casings. It is used for crossing waterways, roadways, shore approaches, congested areas, environmentally sensitive areas and any area where other methods are more expensive

Directional boring is used in place of other techniques for the following reasons:

- Less traffic disruption
- Lower cost
- Deeper installation possible
- Longer installation possible
- No access pit required
- Shorter completion times
- Directional capabilities
- Safer for the environment





Workplace Safety Report



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AGP City Gas Pvt. Ltd.

GA – Kalaburagi and Vijayapura Districts

WORKPLACE SAFETY REPORT

Introduction

Natural gas is a naturally occurring hydrocarbon gas mixture consisting primarily of methane, but commonly includes varying amounts of other higher hydrocarbons and a lesser percentage of carbon dioxide, nitrogen, and hydrogen sulfide. It is colorless, shapeless and odorless. Natural Gas is an every source often used as a fuel for heating, cooking and electricity generation. It is also used as fuel for vehicles and as a chemical feedstock in the manufacture of plastics and other commercially important organic chemicals.

The rapid growth of business all over the world requires increasing hydrocarbon transport capacity. A pipeline is actually a system of equipment designed to allow material to flow continuously or intermittently from one location to another. With sophisticated technologies providing increased applications, pipelines are gaining advantage over other means of transport due to economic and safety considerations.

AGP City Gas Pvt. Ltd. is a City Gas Distribution company carrying out distribution of Natural Gas to industrial/commercial, domestic customers and CNG stations in various cities across India. During the year 2019, the company won 9 Geographical Areas (GA) in tenth round of bidding for developing CGD networks conducted by Petroleum and Natural Gas Regulatory Board (PNGRB). As such, AGP City Gas Pvt. Ltd. proposes to lay pipeline for transportation of Natural gas to various CNG stations and other consumers for City Gas Distribution in GA's of Kalaburagi and Vijayapura Districts.

Executive Summary of CGD Network

The Network of the Geographical area Kalaburagi and Vijayapura Districts is designed as given below details, which falls under NH-52.

There are total one line, which falls along this NH-52.

Sr.No.	Line Description	Length (Km)	Along NH Length (Km)
1	LCNG to COCO Vijayapura	6.2	0.64

Scope of work

The scope covers the minimum requirements for the various activities to be carried out for the construction of the steel pipeline job for development of CGD network.

Following is a broad description of activities, which shall be included, as a minimum.

All the activities required for Steel pipeline laying and Extension as per the plan, including, but not limited to, the following:

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GA- Kalaburagi and Vijayapura Districts
Workplace Safety Report

- Mobilization of equipment's, man-power, and tools tackles, consumables etc. required to complete each steel pipeline extension for development of CGD network.
- Issue & receipt of steel pipes and other materials from AG&P designated store or on site delivered directly from vendor as the case may be.
- Supply of all fittings, procured from approved vendor of AG&P is under scope give Scope.
- Storage, Handling and Transportation of Pipes, Fittings, other project job related material and equipment.
- Stacking, Grading and Marker installation along the RoW.
- Survey for utility identification.
- Liaisoning with concerned authorities for pipeline construction and associated activities post receipt of principle permission from AG&P and submission of NOC from concerned authority post completion of work.
- Procedure qualifications, WPS, PQT & EQT etc.
- Pipe stringing and alignment along the RoW.
- Excavation of trial pits / holes for utility identification and trenching.
- Protection of trench using Shoring, Step cut and Shuttering.
- Welding and NDT including Radiography.
- Field Joint Coating.
- Pipeline laying through horizontal directional drilling (HDD) method and backfilling.
- Hydro test, Cleaning, Swabbing and Pre-commissioning and Commissioning of Pipeline.
- Restoration.
- Spreading quarry spoil including disposing off of surplus earth/ Bentonite and or all material that get rendered unusable.
- Supply and Installation of Paver Block.
- RCC work for Road repairing.
- Cold Field Bending / Induction Bending of Pipes.
- Concrete Coating of Pipes.
- Crossings by horizontal directional drilling (HDD)/ Thrust boring including cased crossing.
- Hook up of pipeline at the battery limits, as per the requirements.
- Prefabrication & testing of valve assembly / DRS.
- Installation of Valves, Insulation Joints and other equipment in the Pipeline.
- Transportation, shifting, and Installation of DRS and Odorization systems.
- Fabrication and Installation of Steel structures such as Supports, Cross Over, ladders, fencing & gate for DRS Etc, as per site requirement.
- Civil work for supports, construction of valve chambers, DRS etc. as per site requirement.
- Liaise with authorities and local people during the execution and submit the NOC from the authorities after completion of work as per the condition of permission.
- Obtain working RoU for pipeline construction wherever required.
- Preparation of documents / reports for each activity.
- Supply of Casing Pipe as per AG&P Specification.
- Installation of Temporary Cathodic Protection (TCP) including supply of all material and labour required for carrying out the job, as per AG&P specification and requirement.

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Workplace Safety Report

- Implementation of AG&P HSE policy, HSE Management System, Life Saver and guideline in the project.
- Establish Camp at location for equipment, Material, civil labour and staff.
- Supply of Manpower, Machineries, Equipment and Consumables “Fit For Purpose”
- Certification of entire facilities and the resources (Machinery, tools and tackles, & equipment) by AG&P / TPI “Fit for Purpose”.
- Man power deployed at the site, office, camp shall be medically fit.
- Man power deployed shall be trained in Basic safety, First aid and firefighting and shall be assessed for its knowledge and competency.
- Procure PPE’s as per the AG&P approved specifications and shall ensure use of all PPE while execution of work at site.
- Provide Fabricated Caution Board and the Barricades as per the AG&P approved design.
- Preparations of detailed Risk register for Site Specific Risks along with Mitigation plan for entire pipeline route.
- Conduct (Daily) site specific risk assessment with mitigation plan as per AG&P approved Formats.
- Site specific risk and Mitigation plan for entire pipeline route.
- Entire mitigation plan shall be reviewed by TPI and approved by AG&P.
- Preparation and approvals of HSE Plan.
- Preparation and approvals of Project execution Plan as per time line agreed while bidding.
- Preparation and approval of resource deployment plan to complete the project in time.
- Preparation and get approval of HSE permit as per the AG&P PTW Matrix – Safe Working Practice.
- Conduct Tool Box talks with all involved man power at each location & activity and also maintain records for the same.

Pipeline Safety

Natural Gas is highly flammable substance, transported through cross country pipelines at high pressure often close to centres of high population or through areas of high environmental sensitivity.

Natural Gas pipeline system pose severe hazard problems for human being and property in the vicinity.

Provision of protective measures are essential for safe operation of NG Pipeline system. The requirement is based on

- Hazardous properties of Natural Gas.
- Quantity of Natural Gas, which could be released and its effect.

Safety Precautions Taken During Laying of Pipeline.

The precautions taken during laying of pipeline is divided into 3 stages

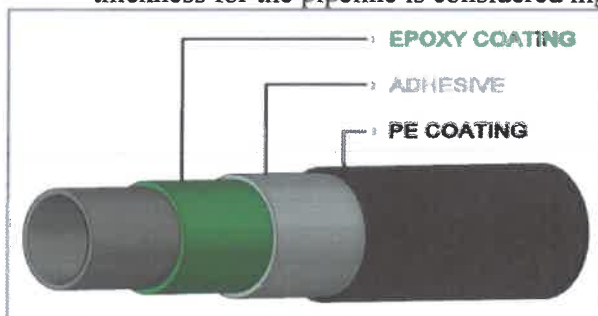
1. Design Stage
2. Construction Stage
3. Operation Stage

1) Design Stage

Pipeline is designed in such a way that the safety is maintained very well. Following are the points which are kept in mind while designing pipeline which will help in gaining more safety while operation.



- Adequate Design Factors in the mechanical equipment & piping.
- One of the parameter is considered while selecting the thickness of pipeline is the Location Class, while deciding the thickness the location class is the important part, which is considered. Higher the location class higher is the thickness, hence the thickness for the pipeline is considered highest as per the location class.



- To safeguard the pipeline against corrosion problem 3LPE coating on Pipeline is applied.
- The Design factor for the Pipeline is considered 1.5 times the actual design.
- CGS shall be preferably located at the outer periphery of populated area, to the extent possible.
- Minimum depth of the pipeline is considered 1.2m for the whole route.
- Provision for venting, purging and draining of pipeline sections.
- Gas Detectors at strategic locations.
- Casings are provided wherever it is required for any major crossing.

2) Construction Stage

Due to exceptionally heavy equipment, terrain issues, suspended loads, and many times inexperienced workers, pipeline construction workers have an increased risk of injury. To prevent accidents and keep everyone on the worksite safe, following points need to be taken care on site.

- **Manpower Safety: Safety Shoes, Safety Jacket, Helmet.** While working on construction site, workers are instructed to wear Safety shoes, Safety Jacket and Helmet compulsory.



- Barricade are provided wherever excavation is done and it is kept till the excavation is not filled back with proper soil and material.
- All the HSC rules are implemented and they are properly observed on site.
- Wherever work is in progress First Aid kits are installed.
- At the time of welding the pipeline fire extinguisher are kept nearby for any hazard.
- Welded Joints will be radiographed 100%.
- Quality test shall be done for the 3LPE coating
- Hydrostatic test of the pipeline shall be done at 1.5 times design pressure
- Cathodic protection system shall be installed for prevention of corrosion
- SCADA System shall be installed for real time online monitoring of Pipeline
- Isolation Valves shall be installed at every 3km
- Warning markers shall be installed all along the route of Pipeline.
- Warning mat shall be installed in the trench above pipeline.

3) Operation Stage

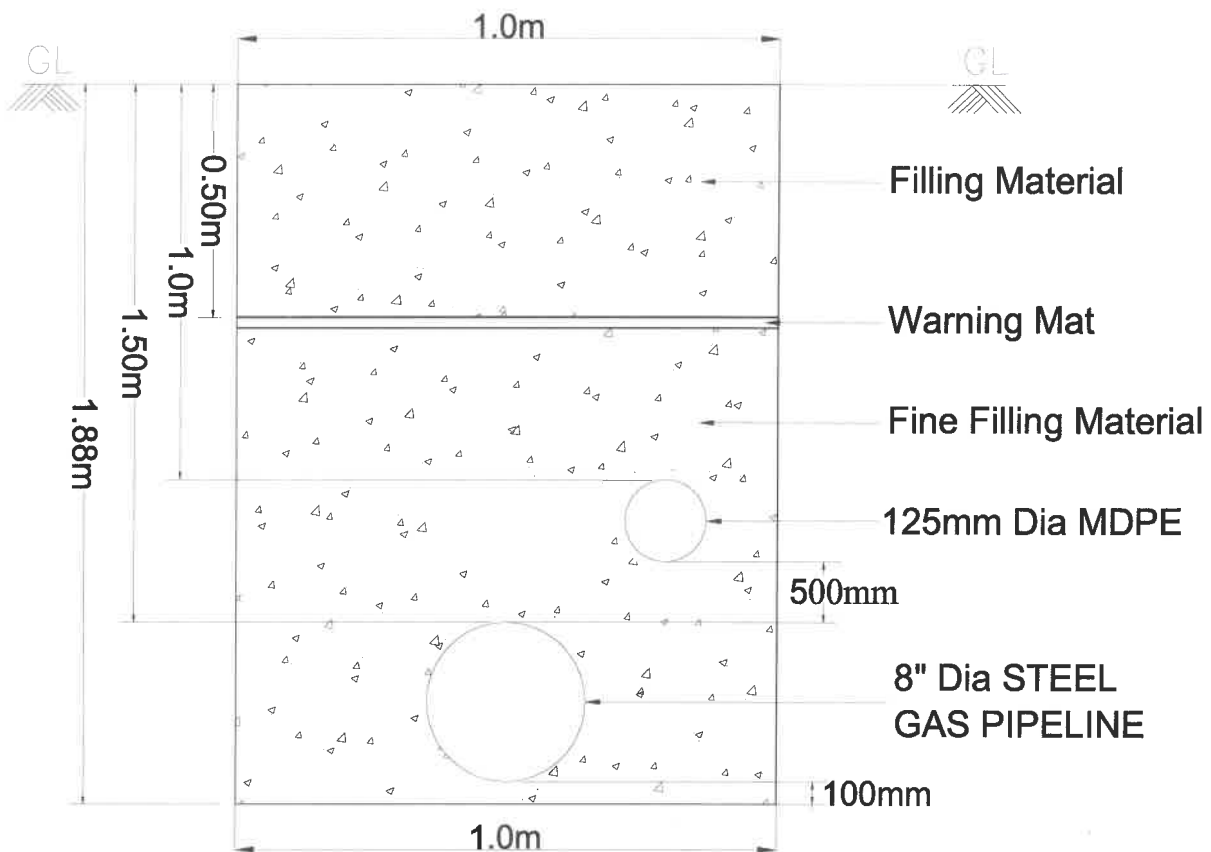
Pipeline failures are often the result of corrosion, equipment failure, manufacturing error, environmental incidents, and human interference. To detect and prevent these failures, operators and regulators conduct regular inspections.

- Regular Monitoring of ROU will be done every particular interval.

- Continuous Monitoring by SCADA System will be done.
- HSE Policy Statement & objectives to ensure implementation of the policy
- Set of detailed processes supporting each activity of the HSE management system.
- Development of Operation and Maintenance Procedures
- Implementation of control and monitoring activities
- Periodic, monitoring, review and reporting of performance
- Compliance Audit - External and Internal Safety Audit
- Accident reporting system.
- Emergency Management System to safely handle emergencies with minimal risk (ERDMP).
- Hazard Identification Processes such as HAZOP.
- Risk Analysis and Risk Assessment Process such as QRA
- Work Permit System to ensure work is carried out in safe manner.
- Structured Training System for O&M employees including contract workers, security etc.
- Development of Management of Change procedures to identify and consider the impact of changes to pipeline systems and their integrity.
- Spreading awareness about all the Do's and Don'ts
- Conducting a comprehensive public awareness program for consumers and general public. The educational material to be prepared in local language and English language. Local audio-visual media available should be used for such educational programs.

-----THE END-----

TYPICAL CROSS SECTION OF TRENCH LAYING OF 8" DIA STEEL PIPELINE AND 125MM MDPE PIPELINE



R0	16.108.2024	ISSUED FOR PRIOR APPROVAL	SHREE	GURU	R S
SR NO.	DATE	REVISION	DR	CH	AR

PROJECT TITLE :

AGP CITY GAS PVT. LIMITED
 Shop No 1 to 6, 3rd floor,
 Prime Mall Station Road, Kalaburagi-585102

DRAWING TITLE :

TYPICAL CROSS SECTION