भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

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

क्षेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलसानी नगर , रानीगरीतोटा, कृष्णालंका, विजयवाड़ा - 520 013, आंध्र 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 / Tele : 0866 -2483910, इ-मेल / E-mail : rovijayawada@nhai.org, nhairovja@gmail.com

वेब / Web : www.nhai.gov.in

Ref: NHAI/RO-VJA/ Gas pipeline/2025/ 434 Date: 11.02.2025

INVITATION OF PUBLIC COMMENTS

Sub : Laying of underground 8" dia steel + 125mm dia MDPE Pipeline along & across NH-16 (from Krishnapatnam Port Road Junction to Near Railway line at Nellore) for a total length of 16026m on Tada-Nellore and Nellore Bypass section of NH-16 in the state of Andhra Pradesh - Reg.

The Project Director, PIU - Nellore submitted a proposal of M/s.AG&P towards laying of underground 8" dia steel + 125mm dia MDPE Pipeline along NH-16 (from Krishnapatnam Port Road Junction to Near Railway line at Nellore) along and across NH-16 (from Krishnapatnam Port Road Junction to Near Railway line at Nellore) at the following locations for a total length of 16026m:

Sl.No.	Name of the stretch	Pipeline Length		Length	Remarks
		From	To		
(i)	Tada-Nellore Section of NH-16	Km.150.600	Km.150.650	50m	LHS
(ii)		Km.150.650		60m	Crossing
(iii)	Flyover location KP-I on NH-16	Km.150.650	Km.152.075	1425m	RHS
(iv)	Tada-Nellore section of NH-16	Km.152.075		50m	Crossing
(v)		Km.152.075	Km.166.580	13108m	LHS
(vi)	Nellore Bypass Section of NH-16	Km.1382.380	Km.1383.713	1333m	RHS
Total				**16026m**	

2. 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 Public Domain for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. 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,
Near Kodandaramalayam, Chalasani Nagar, Ranigarithota,
Krishnalanka, Vijayawada - 520 013
Email: rovijayawada@nhai.org; nhairovja@gmail.com

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

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)
परियोजना कार्यान्वयन इकाई, नेल्लोर, आं.प्र.
Project Implementation Unit, Nellore, A.P.
जी.एन.टी. रोड, के साथ बाईपास रोड जंक्शन, वेदयापालेम, नेल्लगेर - ५२४ ००४, आं.प्र.
Bypass Road Junction with Old GNT Road, Vedayapalem, Nellore - 524 004, A.P.

दूरभाष : Ph No : 0861-2366040
ई-मेल : email : nel@nhai.org,
nhainel@gmail.com

भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

No.:11012/10/NHAI/PIU/NLR/T-N-16/Pipeline/2025- 4029 Date: 24.01.2025

National Highway Authority of India RECEIVED 28 JAN 2025 719 Regional Office, Vijayawada

To

The Regional Officer,
National Highways Authority of India,
Ranigarithota, Krishnalanka,
Vijayawada-520013.

Sub: NHAI, PIU-Nellore: Permission for laying of underground 8" dia Steel +125mm dia MDPE pipeline along NH-16(from Near Krishnapatnam Port Road Junction to Near Railway line at Nellore) from Km. 150+600 to Km.150+650 on LHS(Length 50m);from Km. 150+650 to Km.152+075 on RHS (Length 1425m), from Km. 152+075 to Km. 165+183 on LHS (Length 13108m) & Km. 1382+330 to Km. 1383+713 on RHS(1333m) and crossings at Km. 150+650(LHS to RHS) & Km.152+075(RHS to LHS) for a total length of 16026m on Tada-Nellore section of NH-16 in the state of Andhra Pradesh- **Request for Provisional Permission- Approval - Requested - Reg.**

Ref: (i) Applicant letter no. AGPCityGAS/Nellore/Letter/510 dated 09.01.2024.
(ii) This office letter no.11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-1768 dated 24.01.2024.
(iii) IE (M/s Aarvee) letter no. Aarvee/NHAI/NH-16/23-24/3687 dated 19.02.2024.
(iv) Concessionaire letter no. STPL/NHAI/NH-16/T-N/O&M/02/2023-24/097 dated 23.02.2024.
(v) AE (M/s Yongma-Sterling) letter no. YMSITC/NHAI/KPR/2024-25/737 dated 21.06.2024.
(vi) This office letter no.11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-2626 dated 29.06.2024.
(vii) Applicant letter no. AGPCityGAS/NELLORE/NHAI/Letter/03 dated 11.07.2024.
(viii) This office letter no.11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-2807 dated 29.07.2024.
(ix) IE (M/s TES) letter no. TES/TL/NH-16/PIU/STPL/24-25/20 dated 16.08.2024.
(x) Concessionaire letter no. STPL/NHAI/NH-16/T-N/O&M/08/2024-25/029 dated 17.09.2024.
(xi) AE (M/s Yongma-Sterling) letter no. YMSITC/NHAI/KPR/2024-25/797 dated 26.09.2024.
(xii) This office letter no.11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-3167 dated 26.09.2024.
(xiii) Applicant letter no. AGPCityGas/Nellore/Letter/04 dated 16.12.2024
(xiv) This office letter no. 11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-3756 dated 19.12.2024
(xv) AE (M/s Yongma-Sterling (JV)) letter no.YMSITC/NHAI/KPR/2024-25/850 dated 03.01.2025
(xvi) Concessionaire letter no.STPL/NHAI/NH-16/T-N/O&M/12/2024-25/060 dated 03.01.2025
(xvii) IE (M/s TES) letter no. TES/TL/PIU/NH-16/NLR Bypass/24-25/127 dated 04.01.2025

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Sir,

With reference to the subject cited above, M/s AGP City Gas Private Ltd, vide reference (xiii) cited above, has submitted the revised application for laying of underground 8" dia Steel +125mm dia MDPE pipeline along NH-16(from Near Krishnapatnam Port Road Junction to Near Railway line at Nellore) from Km. 150+600 to Km.150+650 on LHS(Length 50m);from Km. 150+650 to Km.152+075 on RHS (Length 1425m), from Km. 152+075 to Km. 165+183 on LHS (Length 13108m) & Km. 1382+380 to Km. 1383+713 on RHS(1333m) and crossings at Km. 150+650(LHS to RHS) & Km.152+075(RHS to LHS) for a total length of 16026m on Tada-Nellore section of NH-16 in the state of Andhra Pradesh.

2. This office vide reference (xiv) cited above, has forwarded the proposal to IE, M/s Theme Engineering Services Pvt Ltd and Concessionaire, M/s STPL Tollway Pvt Ltd of the Tada-Nellore section of NH-16 & AE, M/s Yongma-Sterling (JV) of Krishnapatnam Port Package-1 to inspect the site and to examine the proposal as per NHAI/MoRTH norms, as per Concession Agreement and as per site conditions and submit the detailed report for taking further necessary action.

3. In this connection, Concessionaire & IE vide reference (xvi) & (xvi) above has recommended the proposal subject to certain conditions as listed therein. Further, AE also vide reference (xv) above has recommended the proposal subject to certain conditions as listed therein.

4. The proposal to be considered is as under:

(a) Length of pipeline to be laid = 16026m (i.e., 11360m of open trench & 4666m of HDD)

(b) Depth at which pipeline proposed to be laid = 1.5m from GL for Open trench & 1.5m from SG for HDD method

(c) Location to be laid (strip plan) = In the utility corridor/ROW

(d) No. of crossings = 02

5. In this connection, the proposal submitted by M/s AGP City Gas Private Ltd., was examined as under;

(i) The proposal submitted by M/s AGP City Gas Private Ltd., duly requesting ROW Permission for laying of underground 8" dia Steel +125mm dia MDPE pipeline along/across for a total length of 16026m at the following locations;

Sl. No	Name of the stretch	Pipe line		Length	Remarks
		From	To		
(i)	Tada-Nellore Section of NH-16	Km 150/600	Km 150/650	50m	LHS
(ii)		Km. 150/650		60m	Crossing
(iii)	Fly-over location KP-I on NH-16	Km 150/650	Km 152/075	1425 m	RHS
(iv)	Tada-Nellore Section of NH-16	Km. 152/075		50 m	Crossing
(v)		Km 152/075	Km 166/580	13108 m	LHS
(iv)	Nellore Bypass Section of NH-16	Km.1382/380	Km.1383/713	1333m	RHS
Total				**16026m**	

(ii) Petroleum and Natural Gas Regulatory Board, GoI, vide letter dated 24.04.2019 has authorized M/s.AG&P for laying, building, operating or expanding City Gas Distribution network in the Geographical Area of SPSR Nellore District

(iii) Draft License Deed was submitted in the standard format in accordance with MoRT&H guidelines.

(iv) Applicant has proposed laying of gas pipeline from Km.1382+380 to Km. 1383+713 for a length of 1333m in Nellore Bypass section of NH-16 which is falling under Black spot rectification work.

(v) Checklist in accordance to MoRTH Guidelines is enclosed for laying of underground 8" dia Steel +125mm dia MDPE pipeline along NH-16(from Near Krishnapatnam Port Road Junction to Near Railway line at Nellore) from Km. 150+600 to Km.150+650 on LHS(Length 50m);from Km. 150+650 to Km.152+075 on RHS (Length 1425m), from Km. 152+075 to Km. 165+183 on LHS (Length 13108m) & Km. 1382+380 to Km. 1383+713 on RHS(1333m) and crossings at Km. 150+650(LHS to RHS) & Km.152+075(RHS to LHS) for a total length of 16026m and the same is found in order.

(vi) Authorisation for signing & executing of documents related to instant proposal is enclosed.

(vii) Methodology for laying of gas pipeline by open trench & HDD method is enclosed and found in order.

(viii) Cross section showings the size/diameter of gas pipeline for open trench & HDD method is enclosed.

(ix) Strip/Route plan for crossing of pipeline, other key features are shown.

(x) Undertaking for requisite performance Bank Guarantee @ Rs.250/- per route meter and License fee for 5 years as per MoRTH circular dated 24.04.2023 will be obtained from the agency, upon provisional approval. Necessary calculations sheet enclosed.

(xi) Certificate from PD that the proposal is confirming to all standard conditions issued vide MoRTH circular no. RW/NH/33044/29/2015/S&R® dated 22.11.2016 is enclosed.

(xii) Necessary undertakings required in accordance to MoRTH guidelines checklist from Sl.no. 5.1 to 5.12 submitted by applicant is enclosed.

(xiii) In addition to above, applicant has submitted the following undertakings:

- Agree to lay the gas pipeline at the CD structures such that the top of the casing/conduit pipe should be at 1.2 meter below the surface of the road subject to being at least 0.3m below the drain inverts.
- The gas pipeline should be so laid their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.
- Agree to obtained various safety clearances from the representatives' authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable.
- We understand that the traffic on Tada-Nellore section of NH-16 is more than 40000 PCUs at present and the project shall be upgraded to 6-lane standards by NHAI in due course of time as decided by NHAI. Accordingly,we are submitting this undertaking that we will bear the cost for complete shifting/removal of gas pipe line during the construction of 6-laning of Tada-Nellore section of NH-16 or whenever directed by the NHAI.

6. If the instant proposal is approved, an amount of Rs.16,85,120/-towards license fee considering 1m width for both open trench & HDD is required to be paid by applicant and Bank Guarantee for Rs.40,06,500/- is required to be furnished by the applicant as assessed

by IE, after granting the provisional permission by the Competent Authority as per MoRT&H guidelines dated 22.11.2016 & 24.04.2023.

7. Based on the recommendations of IE/AE & Concessionaire, the proposal along with the copies of all the above-mentioned documents are herewith submitted for approval of the Competent Authority/RO-Vijayawada for laying of underground 8" dia Steel +125mm dia MDPE pipeline along NH-16(from Near Krishnapatnam Port Road Junction to Near Railway line at Nellore) from Km. 150+600 to Km.150+650 on LHS(Length 50m);from Km. 150+650 to Km.152+075 on RHS (Length 1425m), from Km. 152+075 to Km. 165+183 on LHS (Length 13108m) & Km. 1382+380 to Km. 1383+713 on RHS(1333m) and crossings at Km. 150+650(LHS to RHS) & Km.152+075(RHS to LHS) for a total length of 16026m on Tada-Nellore section of NH-16 in the state of Andhra Pradesh.

Yours faithfully,

Encl: As above (1 set of proposal)

MKChowdary

(M. K. Chowdary)
GM(T) & Project Director

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of Gas pipeline and confirms that all the standard conditions are satisfied as per guidelines of Ministry Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and subsequent amendment dated 24.04.2023.

2. It will be ensured that supervision of the work of laying utility and the defects in road portion after laying of utility are corrected.

3. It will be notified to forfeit the BG for claims for damages done/disruption in working, if any.

4. It is to certify that upon of approval for the above proposal, the same will be entered in the Register of Records of the permission in the prescribed proforma.

MKChowdary

(M. K. Chowdary)
GM(T) & Project Director

Annexure-I

Licence Fee and Bank Guaranee Calculation

Permission for laying of underground gas pipe lone 8" dia Steel + 125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam port road junction to Near railway line at Nellore) (i) from Km.150+600 to Km.150+650 LHS (length 50m), (ii) Crossing - 1 at Km.150+650 LHS to RHS (width 60m), (iii) from Km.150+650 to Km.152+075 RHS (length 1425m), (iv) Crossing - 2 at Km.152+075 RHS to LHS (width 50m), (v) from Km.152+075 to Km.165+183 LHS (length 13108m), (vi) from Km.1382+380 to Km.1383+713 RHS (length 13333m) in Nellore District in the state of Andhra Pradesh, (Public Utility)

S.No.	Name of the Village	Mandal	Chainage			Length in meters	Proposed land width (m)	Proposed land area (Sqm)	Prevailing circle rate of land (Rs. per Acre)	Prevailing circle rate of land (Rs. per Sqm)	License fee per annum (Rs) @ 1.5% per annum	Remarks
			From	To	Side							
			(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9) =(6)x(8)x1.5/100	
1	Guruvindapudi	Manubolu	150.600	150.650	LHS	50	1.000	50	20,00,000	494.21	370.66	Considering 1m width for both open trench & HDD as submitted by the applicant
2	Guruvindapudi	Manubolu	150.650	151.450	RHS	800	1.000	800	20,00,000	494.21	5,930.52	
3	Anupallipadu	Manubolu	151.450	152.075	RHS	625	1.000	625	15,20,000	375.6	3,521.25	
4	Anupallipadu	Manubolu	152.075	152.100	LHS	25	1.000	25	15,20,000	375.6	140.85	
5	Guruvindapudi	Manubolu	152.100	153.800	LHS	1700	1.000	1700	20,00,000	494.21	12,602.36	
6	Kanpuru Bit-1 (Venkatachalam)	Venkatachalam	153.800	158.850	LHS	5050	1.000	5050	23,68,000	585.15	44,325.11	
7	Kakaturu	Venkatachalam	158.850	164.500	LHS	5650	1.000	5650	46,55,000	1150.27	97,485.38	
8	Bujabuja Nellore	Nellore Rural	164.500	165.183	LHS	683	1.000	683	1,79,10,000	4425.65	45,340.78	
9	Bujabuja Nellore	Nellore Rural	1382.380	1383.713	RHS	1333	1.000	1333	1,79,10,000	4425.65	88,490.87	
10	Guruvindapudi	Manubolu	Crossing-1	150.650	LHS to RHS	60	1.000	60	20,00,000	494.21	444.79	
11	Anupallipadu	Manubolu	Crossing-2	152.075	RHS to LHS	50	1.000	50	15,20,000	375.6	281.70	
					Total mtrs	16026			License fee for 1st year		2,98,934	
									License fee for 2nd year (with 6% annual increment)		3,16,870	
									License fee for 3rd year (with 6% annual increment)		3,35,883	
									License fee for 4th year (with 6% annual increment)		3,56,036	
									License fee for 5th year (with 6% annual increment)		3,77,398	
									License fee for total term of license (Up to 5 years)		**16,85,120**	

Site Engineer
NHAI, PIU- Nellore (A.P.)

Project Director
PIU-Nellore

Project Director
NHAI, PIU-Nellore.(A.P.)

Annexure-II

Performance Bank Guarantee calculations

Permission for laying of underground gas pipe lone 8" dia Steel + 125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam port road junction to Near railway line at Nellore) (i) from Km.150+600 to Km.150+650 LHS (length 50m), (ii) Crossing - 1 at Km.150+650 LHS to RHS (width 60m), (iii) from Km.150+650 to Km.152+075 RHS (length 1425m), (iv) Crossing - 2 at Km.152+075 RHS to LHS (width 50m), (v) from Km.152+075 to Km.165+183 LHS (length 13108m), (vi) from Km.1382+380 to Km.1383+713 RHS (length 13333m) in Nellore District in the state of Andhra Pradesh, (Public Utility)

Performance Bank Guarantee calculations

S. No	Chainage(In KM)			Length of Route (m)	Width (mm)	Rate per	Performance Bank Guarantee (Rs)	Remarks
	From	To	Side					
1	150.600	150.650	LHS	50	1000	250	12,500	
2	150.650	151.450	RHS	800	1000	250	2,00,000	
3	151.450	152.075	RHS	625	1000	250	1,56,250	
4	152.075	152.100	LHS	25	1000	250	6,250	
5	152.100	153.800	LHS	1700	1000	250	4,25,000	
6	153.800	158.850	LHS	5050	1000	250	12,62,500	
7	158.850	164.500	LHS	5650	1000	250	14,12,500	
8	164.500	165.183	LHS	683	1000	250	1,70,750	
9	1382.380	1383.713	RHS	1333	1000	250	3,33,250	
10	Crossing-1	150.650	LHS to RHS	60	1000	250	15,000	
11	Crossing-2	152.075	RHS to LHS	50	1000	250	12,500	
						Total	40,06,500	

Site Engineer
NHAI, PIU- Nellore (A.P)

Project Director
PIU-Nellore
Project Director
NHAI, PIU-Nellore.(A.P.)

SWARNA TOLLWAY PVT. LTD.

STPL/NHAI/NH-16/T-N/O&M/12/2024-25/060 **Date: 03rd January 2025**

Received on 07.01.25	
No. By C- 8118	
PD	
DGM/DM	
LAO 123	
PA/Accts	
SE/2345	

To
The Project Director
Project Implementation Unit /
National Highways Authority of India
Bypass road Junction with old GNT Road
Vedayapalem
Nellore – 524004,
SRSP, Nellore Dist.

Dear Sir,

Sub: Operation & Maintenance of 4-lane divided carriageway facility of Tada – Nellore (KM 54.383 to Km. 165.183) Section of NH-5 constructed on BOT basis in Andhra Pradesh – **Permission for Laying of underground 8"dia steel+125 mm MDPE pipeline along NH-16 (from Near Krishnapatnam Port Road Junction to Near Railway line at Nellore) from Km.150.650 to Km 152+075 on RHS (Length 1425m), from Km. 152+075 to Km. 166+580 on LHS (Length 14505m) and crossing at Km.150+650 (LHS to RHS) for a total length of 16090m- Report -** Reg.

Ref:

1. 11012/10/NHAI/PIU/Nel/T-N-16/Pipeline/2024-3756 dated 19.12.2024.

Vide NHAI's letter cited 1 above advised Independent Consultant and the Concessionaire to review the proposal submitted by M/s AG&P for laying of 8" dia steel +125 MDPE pipe line. Both Independent Consultant and Concessionaire have been jointly inspected above-mentioned stretch as requested in its letter respectively.

In this regard, the Concessionaire communicated the observations to the Authority vide letter no STPL/NHAI/NH-16/T-N/O&M/02/2023-24/097 dated 23.02.2024. Please find below comments on the submissions.

S.No	STPL Earlier Observation	Observation Attended by AGP	STPL comments
1	The proposal is submitted by M/s AG&P City Gas Pvt Ltd, to obtain permission for laying pipe along Km 151.390 to 166.080 LHS & pipeline crossing at 151.390 RHS to LHS by means of Open trenching and HDD method	Crossing chainage was changed because there is a fly over under construction. New chainage of crossing at Km 150.650. for laying of Gas pipeline along the NHAI from 150.600 to 166.580 L.H.S by open cut method. Approach roads and along service roads by HDD method	Noted
2	It is observed that ROW from Km 161.120 to 161.840 & from Km 163.330 to 165.810 is 25 Mts this has to be corrected	Corrected	Noted
3	The applicant shall submit the methodology for laying of Gas pipe for 8" dia and 125 mm dia MDPE pipeline.	Submitted	Noted

Regd. Office :601-602, 6th Floor, Windsor House, Off CST Road, Kalina, Santacruz (East), Mumbai - 400098, Maharashtra, INDIA
Tel:+91 22 61073200 CIN No. U45203MH2001PTC427884

<table>
<tr><td>4</td><td>Applicant has not submitted the TCS for laying the steel and MDPE pipeline in the same trench</td><td>Submitted</td><td>Noted</td></tr>
<tr><td>5</td><td>Applicant must ensure that no Avenue tress or saplings are damaged or get enrooted while laying pipeline by the means of open trenching or HDD method.</td><td>Ensuring that No trees/ Samplings</td><td>At open-trench locations the Avenue plants are available.</td></tr>
<tr><td>6</td><td>Applicant must note that while executing open trenching or HDD method in village areas needs to be conducted properly with all safety precautions and safety related sign boards indicating the pipeline passage</td><td>We will do precautions as per petroleum guidelines.</td><td>Noted</td></tr>
<tr><td></td><td>As per the joint inspection done with independent consultant few locations are not possible for the open trench method, hence applicant must follow the HDD method at below locations.
<table>
<tr><th>S.No</th><th>Description</th><th>Obstruction for Open Trench Method</th></tr>
<tr><td>1</td><td>Km 156.400 to 157.600</td><td>Venkatachalam Service Road</td></tr>
<tr><td>2</td><td>Km 163.000 to 163.900</td><td>Private property access</td></tr>
<tr><td>3</td><td>Km 164.400 to 165.183</td><td>Bujabuja Nellore Service Road</td></tr>
<tr><td>4</td><td>Km 151.390 to 165.183</td><td>15 Approach roads and 05 No's MNB's</td></tr>
<tr><td>5</td><td>Km 152.250 to 152.500</td><td>ROB</td></tr>
<tr><td>6</td><td>Km 155.200 to 155.600</td><td>Toll plaza</td></tr>
</table></td><td>S.No 1 to 3 We will lay the gas pipeline by HDD method.

S.No 4 to 6 We will lay the gas pipeline by HDD method.</td><td>Noted.</td></tr>
</table>

Further, the other observations of the Concessionaire are as follows: -

1. Applicants need to take care and not to obstruct any culverts or bride vents that get obstructed by pipeline laying.

2. The Agency should lay the pipeline at the extreme edge of the ROW limits along the project highway as per the site condition.

3. The agency should not disturb the project assets i.e. Embankment slopes, Culvert, Major & Minor bridges, Stone pitching, turfing in the embankment, MBCB, HM Stone, Line Drain, Toe Drain, ROW stone, Sign boards & KM stones while execution of the works to carry materials.

4. The agency should not disturb the Toll Plaza assets at km 155.300 and should not obstruct the free flow of the Traffic.

5. The Agency Should not damage any Plantation which is within the ROW of Project highway.

6. The applicant should ensure that no debris is dumped on the project Highway at any point of time.

7. NHAI shall ensure that during the construction stage all the safety and environmental standards are to be followed in compliance with Schedules of the Concession Agreement and other best industry practices by the Agency.

8. The agency should take up the work, after all the above compliances and with prior intimation to the Concessionaire.

9. Upon work completion, the agency shall obtain NOC from NHAI ensure there are no unattended damages to project assets. The requirement is in concurrence to the basic expectation from the concessionaire to safeguard Project assets, especially considering issues wherein past agencies have inflicted damages to project assets and absconded from the site without repairing them.

10. The Concessionaire is not liable for any cost of any Construction and/or Operation and Maintenance cost (including consequential damages) at these locations till the end of the Concession Period.

11. The authority is requested to collect adequate bank Guarantee & mechanism of recovery from the agency to cover up unattended damages if any. Before release of BG, authority shall seek comments/consent of the IC and the concessionaire.

12. In the unlikely event of any damage to any portion of the project highway on account of above, it may please be noted that any construction and/or Operation and Maintenance cost (including consequential damages) will not be borne by the Concessionaire till the end of the Concession Period.

13. The validity of the work permission including maintenance shall be for a maximum period of 6 months from the date of issue.

14. Agency shall follow all norms, specifications & guidelines of MORTH available on website www.morth.nic.in.

15. The above points are indicative only and not exhaustive. NHAI may issue appropriate instructions to the agency in compliance with the provisions of the Concession Agreement with a copy to the Concessionaire. The Authority is requested to consider the above observations prior to issuing permission for laying pipeline crossing at Km 150.650 on LHS to RHS & from Km 150.650 to Km.150.700 & Km 152.000 to Km 152.075 on RHS along the project highway & pipeline crossing at Km 152.075 on RHS to LHS & 152.075 to 166.580 on LHS along the project highway by the means of Open trenching and HDD method by the agency.

The above is without prejudice to the rights of the Concessionaire under the provisions of the Concession Agreement.

Yours faithfully,

For SWARNA TOLLWAY PVT LTD

Authorized Signatory.

Cc: - 1) The Team Leader, Theme Engineering – Kovur Nellore -for Information.

In association with

sterling indo tech consultants
endeavour to excellence

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YMSITC/NHAI/KPR/2024-25/850

03.01.2025

To

The Project Director,
Project Implementation Unit
National Highways Authority of India (NHAI)
Bypass Road junction with old GNT Road
Vedayapalem, Nellore, Andhra Pradesh (A.P)-524 004
E-mail Id- nhainel@gmail.com

Subject: Consultancy services for Authority's Engineer for supervision of construction of six laning of dedicated port road to Krishnapatnam port (Package-1) Km 0+000 to 18+000 on EPC mode in the state of Andhra Pradesh under Bharatmala Pariyojana Phase I- **Recommending No Objection Certificate and Permission for laying of underground 8" dia steel +125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam Port Road junction to near Railway line at Nellore) from km.150+650 to km. 152+075 on RHS (Length: 1425 mts), from km.152+075 to km.166+580 on LHS (Length: 14505 mts), and crossing at km.150+650 (LHS to RHS) & km. 152+075 (RHS to LHS) for a total length of 16090 mts - Report- M/s AG&P City Gas Private Ltd - Reg.**

Ref: PIU ltr no: 11012/10/NHAI/PIU/NLR/TN-16/Pipeline/2024-3756 dated 19-Dec-2024

Dear Sir,

With 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 AG&P City Gas Private Ltd, for laying of underground **8" dia steel +125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam Port Road junction Flyover Area) from km. 150+700 to km. 152+000 on RHS (Length: 1300 mts)** by open cut method & HDD method at Krishnapatnam port road crossing and submitting our detailed report duly keeping in view of agreement provisions and joint site visit the submitted check list checked and found in order.

1. The project highway is 53 mts RoW in that the utility corridor shall be 1.0 mts 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. AG&P City Gas Private Ltd proposal submitted the pipe laying methodology of underground +125mm dia MDPE pipeline along NH-16 chainage at Km 150+700 to km 152+000 RHS and crossing at Krishnapatnam port road, 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 laying of Underground gas pipeline shall be strictly As per Ministry's lettered no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.The Guidelines as follow:-

i. 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.

ii. 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.

iii. All the existing utilities are to be checked and verified by M/s. AG&P City Gas Pvt Ltd before commencement of be work and ensure that no damage is caused to the existing utilizes. If any damages are caused to the existing utilities by M/s. AG&P City Gas Pvt Ltd have to bear the cost of rectification works.

iv. 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.

v. No digging of the carriageway will be allowed and working pits, if any, shall be made extreme edge of the RoW.

vi. M/s. AG&P City Gas Pvt Ltd shall ensure that, avenue planation; 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.

vii. M/s. AG&P City Gas Pvt Ltd shall follow the latest guidelines issued by MORT&H while executing the work.

viii. Free flow of traffic on NH 16 should be maintained at any paint of time by M/s. AG&P City Gas Pvt Ltd while carrying out the work of laying of Underground Gas Pipeline.

ix. The proposed laying of the Underground Gas Pipeline shall be laid 'n such a manner that it causes least interference to the traffic movement and also traffic safety.

x. M/s. AG&P City Gas Pvt Ltd will be responsible for any hazard during the laying of Underground Gas Pipeline.

xi. 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 / 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.

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601, Sunny Mart, New Aatish Market, Mansarovar,
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xii. The interference with any other service line exits 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 provider for redressal.

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

- In view of the above, it is reported that the laying of gas pipeline along the highway from km.150+700 to 152+000 RHS total length along the highway 1.3 km. And crossing at Krishnapatnam port road HDD method only.

- M/s. AG&P City Gas Pvt Ltd. shall fulfil the necessary terms and conditions as per NHAI guidelines and Ministry's letter no. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

For your further necessary action please

Yours sincerely

YONGMA Engineering Co. Ltd. ★ IN ASSOCIATION WITH ★ Sterling Indo Tech Consultants Pvt. Ltd.

(Dunaka Sreenivasarao)
Team Leader-Cum- senior highway engineer

CC To; 1. HO- YMSITC, Jaipur
2. VDB (P) Ltd, Ramadasukandriga

Theme Engineering Services Pvt. Ltd.
Near Sai Baba Temple,Adj. Government Hospital,
Kovur- 524137, Nellore District, Andhra Pradesh
Email: tadanellore@themeengineering.in
CIN: U74210RJ2002PTC017485

Received on 06-01-25	
No. By Hand 8060	
PD	
DGM/DM	
LAO 123	
PA/Accts	
SE 12345	

Letter No. TES/TL/PIU/NH-16/NLR Bypass/24-25/127
Date: 04.01.2025

urgent

To
The Project Director
NHAI PIU -Nellore
Andhra Pradesh

Sub: Independent Engineer Services during Operation & Maintenance Period for the following stretches in the state of Andhra Pradesh (I) Tada-Nellore section from Km.52.800 to Km.163.300 (New chainage from Km.54.383 to Km.165.183) of NH-16 and Nandigama-Ibrahimpatnam-Vijayawada section from Km.217.000 to Km.265.000 (New chainage from Km.221.140 to Km.270.340) of NH-65 (ii) Nellore Bypass section from Km.161.034 to Km.178.200 (New chainage from Km.1366.547 to Km.1383.713) of NH-16 - Tada- Nellore section & Nellore Bypass - **Permission for laying of underground 8" dia steel + 125mm dia MDPE pipeline along NH-16 (from near Krishnapatnam port road junction to near railway line at Nellore) from Km.150+600 to Km.150+650 on LHS (length 50m), from Km.150+650 to Km.152+075 on RHS (length 1425m) from Km.152+075 to Km.166+580 on LHS (length 14505m) and crossings at Km. 150+650 (LHS to RHS - 60m) & Km. 152+075 (RHS to LHS - 50m) for a total length of 16090m - I.E Report - Reg.**

Ref: 1. NHAI Lr. No. 11012/10/NHAI/PIU/Nel/TN-16/Pipeline/2024-3756 dated 19.12.2024
2. M/s AGP City Gas Pvt. Ltd Lr. No. AGPCitygas/Nellore/Letter/04 dated 16.12.2024
3. IE Lr. No. TES/TL/NH-16/PIU/STPL/24-25/20 dated 16.08.2024
4. NHAI Lr. No. 11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-2807 dated 29.07.2024
5. M/s AGP City Gas Pvt. Ltd Lr. No. AGPCitygas/NELLORE/NHAI/Letter/03 dated 11.07.2024
6. NHAI Lr. No. 11012/10/Vol.1/NHAI/PIU/Nlr/T-N-16/NOC/2024-2626 dated 29.06.2024
7. Concessionaire, M/s STPL Lr. No. STPL/NHAI/NH-16/T-N/O&M/11/2023-24/097 dated 23.02.2024
8. IE Lr. No. Aarvee/NHAI/NH-16/23-24/3687 dated 19.02.2024
9. PD, NHAI Lr. No. 11012/10/Vol.1/NHAI/PIU/Nlr/T-N-16/NOC/2024-1768 dated 24.01.2024
10. M/s AGP City Gas Pvt. Ltd Lr. No. AGPCitygas/NELLORE/NHAI/Letter/510 dated 09.01.2024

Dear Sir,

With reference to your cited letter above ref (1) on the subject matter, the I.E has been asked to verify the revised proposal submitted by M/s AGP City Gas Pvt. Ltd vide which communicated to examine their proposal and submit a detailed report.

In this regard, a joint site inspection has been conducted along with the representatives of applicant and Concessionaire and also reviewed the compliance submitted by the applicant vide ref (2) and our report is given below;

1. The applicant M/s AGP City Gas Pvt. Ltd has submitted the revised proposal to lay 8" dia steel + 125mm dia MDPE pipelines along NH-16 in the following locations (for total length - **16026m**);
   a. From Km.150+600 to Km.150+650 on LHS (50m)
   b. From Km.150+650 to Km.152+075 on RHS (1425m)
   c. From Km.152+075 to Km.166+580 on LHS

      (i.e. from Km.152+075 to Km.165+183 on LHS (13108m) & Km.1382+380 to Km.1383+713 on RHS (1333m))
   d. NH Crossings at Km.150+650 (60m) & Km.152+075 (50m)
2. In the above locations, except the stretch from Km.150+700 to Km.152+000 which was handed over to M/s VDB Projects Pvt Ltd for construction of flyover, has been reviewed with reference to the Guidelines for Accommodation of Public & Industrial Utility Services along and across National Highways, vide MoRTH circular nos. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and NH-36094/01/2022-S&R (P&B) dated 17.04.2023 and submitted compliance of the applicant as per the site conditions. Our comments are tabulated below;

Sl.No.	IE's observations (vide ref-3)	Applicant's submission (vide ref-2)	IE's Comments
1.	The applicant has not enclosed the online payment receipt for processing fee.	---	---
2.1	The applicant has submitted the draft license agreement on stamp paper. However, the following are our observations:	Submitted draft license agreement on stamp paper	Complied.
	a. The clause mentioned in the Sl.No.8 of the check list, is missing.	Inserted in Sl.no.8 of the check list	The clause mentioned in the Sl.No.8 of the check list included in the draft license agreement, hence complied.
	b. The power of attorney details are missing.	Attached power of attorney details	The power of attorney is enclosed, hence complied.
	c. In the draft license agreement the signatures of 2 witnesses, are missing (as mentioned in the Sl. No. 3 of check list).	2 witnesses were signed	Complied.

2.2	The applicant has submitted the undertaking on stamp paper, however, the details of the clauses 5.10 & 5.12 mentioned in the checklist, are missing in the undertaking	Inserted	Complied
2.3	The applicant has submitted Indemnity bond on stamp paper.	Submitted Indemnity bond on stamp paper	Complied
3.	The Right of way from Km.161+120 to Km.161+840 is 25 mts and from Km.163+330 to Km.165+180 is 25.0 mts from the median center on LHS. In the check list it has shown as 22.5 mts. These has to be corrected. - Not corrected in check list. The strip plans are also to be corrected according to the availability of ROW.	Corrected as 25.0m	Complied
4.	In the check list the applicant has not shown the existing service road details. These has to be corrected. - Existing service road details are to be mentioned in the check list at Sl. No.1.14	Corrected	Complied
5.	In the check list the applicant has not shown the details of already laid services if any, along the proposed route. - Details of already laid services are to be mentioned in check list at Sl. No. 1.11	Corrected	Complied
6.	It is observed on site from Km.165+183 to Km.166+080 falls under Nellore bypass section, Construction of Six laning with Slip road work is in progress. Advised to the agency laying of Gas pipeline shall be do after the completion of work within the utility corridor portion. - It is observed on site from Km.165+183 to Km.166+080	We will lay the Gas pipeline after completion of 6 lane work in this portion.	Applicant proposed to lay gas pipe line up to **Km.166+580** in the revised proposal. Applicant agreed to lay gas pipeline after completion of 6 lane work in this portion, hence complied.

	falls under Nellore bypass section, Construction of Six laning with Slip road work is in progress. Advised to the agency laying of Gas pipeline shall be do after the completion of work within the utility corridor portion. - To be followed		
7.	It is noticed on site Construction of Flyover with Service road work is in progress where the crossing has shown at Km.151+490. As per circular the minimum distance is being 15 meters from the nearest structure. This has to be corrected. - Crossing of NH-16 is proposed at Km.151+400. But in drawing crossing location is shown at Km.151+370 i.e. at flyover location. From Km.150+700 to Km.152+000 construction works of flyover with RE walls & service roads are in progress. Hence the location of crossing has to be changed so that it shall be minimum 15meter away from structures, RE walls, Retaining walls, bridges, culverts etc. as per the conditions of Cl.1.19 (c) of Check list	Corrected and crossing location was changed at Km.150+650.	The applicant proposed crossings at Km.150+650 & Km.152+075 in the revised proposal which are more than 15m away from the nearest structures. Hence, complied.
8.	The applicant shall submit the methodology for laying of Gas pipe for 8" Ø+ MDPE pipe line 125 mm Ø duly laying the existing cables with in the Utility corridor. - The methodologies for laying of pipelines are to be submitted for the following locations;		Enclosed methodologies for open trench method and HDD method along with locations of their application. Hence, complied.

	a. For laying through open trench method b. For laying through HDD method c. For laying at Cross Drainage (CD) works i.e. at culverts. d. For laying at Bridge locations. e. For laying at Built-up areas. f. For laying at cross road locations	a) Enclosed b) Enclosed c) Laying will done by HDD method d) Laying will done by HDD method e) Laying will done by HDD method f) Laying will done by HDD method	
9.	The applicant has not enclosed the Typical cross section for laying of steel pipe line and MDPE pipe line in the same trench. a. Cross section for HDD works with location of pits, section of pits, location of the pipes etc., are to be submitted. b. The submitted cross sections of open trench method are not in conformity with the guidelines of MoRTH circular.	Submitted	Typical cross sections of open trench method and HDD methods with details enclosed in conformity with guidelines. Hence, complied.
10.	It is observed on site the below locations Open trench method is not possible, and the applicant shall follow the HDD method. 1) From Km.156+400 to Km.157+600 - Service road of Venkatachalam village 2) From Km.163+000 to Km.163+900 - Service road of Private Property 3) From Km.164+400 to Km.165+183 - Service road of Bujabuja Nellore 4) From Km.151+390 to Km.166+080 - 15 nos of approach roads	1) Laying will done by HDD method 2) Laying will done by HDD method 3) Laying will done by HDD method 4) Laying will done by HDD method 5) Laying will done by HDD method	The applicant has proposed to adopt HDD method in such locations. Hence, the proposal may be considered.

	5) From Km 151+390 to Km. 166+080 - 05 nos of Minor bridges locations 6) From Km.152+250 to Km.152+500 - 01 no of ROB with Railway track 7) From Km.155+200 to Km.155+600 - Toll plaza Area 8) From Km.165+183 to Km.166+080 - Six laning with Service road work is in progress. - The applicant has not revised the proposal where open trench method is not possible at the said locations.	6) Laying will done by HDD method 7) Laying will done by HDD method 8) Will lay the gas pipe line after completion of the road work.	
11.	The following details are also to be submitted with the revised proposal; a. Detailed calculations for License fee with supporting land rate documents for each village (Chainage wise) b. Detailed bank guarantee calculations	a) Submitted b) Submitted	Submitted Submitted

The proposal is found to be in order as per Guidelines for Accommodation of Public & Industrial Utility Services along and across National Highways, vide MoRTH circular nos. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and NH-36094/01/2022-S&R (P&B) dated 17.04.2023 and as per the site conditions. Hence, we hereby recommend to grant Initial permission (NOC) subject to the following conditions:

1) The applicant shall strictly lay the gas pipeline at the edge of the ROW i.e. in the Utility corridor of the Project highway only.
2) Debris/loose earth produced due to execution of pits shall be cleared at least 50m away from the edge of the ROW of the Project highway.
3) While laying of Gas pipe, the applicant has to take due care of the below mentioned project facilities which are falling within the proposed stretch.

Sl. No.	Description	Chainage
1.	Service roads with drains	1. 156+500 to 157+560 LHS 2. 164+540 to 165+183 LHS 3. 163+000 to 163+900 LHS (of private property) 4. 1382+690 to 1383+713 RHS (under construction)
2.	Pedestrian Under Pass	156+645
3.	Bus shelters	1. 153+100 2. 154+260 3. 157+680 4. 159+030 5. 159+500 6. 163+020
4.	Cross roads	1. 154+700 LHS 2. 155+728 LHS 3. 155+935 LHS 4. 162+925 LHS 5. 163+817 LHS 6. 1382+200 RHS
5.	ROB RUB	152+480 & 1382+322 154+150
6.	Culverts	152+050, 153+550, 155+029, 156+043, 156+136, 156+385, 157+100, 157+555, 157+813, 160+120, 160+245, 160+385, 160+709, 160+790, 161+682, 162+020, 162+217, 162+520, 162+707, 162+865, 163+685, 164+300, 1382+580, 1382+896
7.	Minor Bridges	1. 159+215 2. 161+729 3. 161+825 4. 163+361 5. 163+982
8.	ECBs	1. 153+100 LHS 2. 154+260 LHS 3. 157+680 LHS 4. 159+030 LHS 5. 159+500 LHS 6. 163+020 LHS

Any damage to the above mentioned Project facilities should restored at the risk and cost of the applicant.

4) In open trenching method:

   a. The trenching width should be at least 30 cm but not more than 60 cm wider than the outer dia. of the pipe.
   b. Bedding shall not be less than 30cm.

c. The back fill shall be completed in 2 stages (a) side-fill to the level of the top of the pipe (b) overfill to the bottom of the road crust.
d. The excavated trench should be made good by proper filling and compaction.
e. Debris/loose earth produced due to execution of trenching shall be cleared at least 50m away from the edge of the right of way.

5) For Horizontal Directional Drilling (HDD) method:

a. The top of the casing pipe shall be minimum 1.5m below from the bottom of the Subgrade as shown in the MoRTH circular drawing.
b. The top of the casing pipe at least 0.3 m below the drain invert levels.
c. The HDD crossing pits shall be done within the Utility Corridor portion i.e. extreme edge of the ROW of Project highway.
d. The Pits shall be filled up with the suitable soil properly and compacted to density of minimum 97%.
e. Debris/loose earth produced due to execution of pits shall be cleared at least 50m away from the edge of the ROW of the Project highway.

6) All required restoration, maintenance work subsequent to laying gas pipeline shall be undertaken by the applicant at his own risk & cost.

7) The applicant shall adhere to the proposed alignment and methodology.

8) Existing bridges and CD works shall not be used for laying the said gas pipeline.

9) Due care shall be taken not to damage the project facilities/furniture, avenue plantation etc.

10) Applicant has to take care the safety and security of the already installed utilities such as Project OFC cable, Telecom OFC cables, water pipelines etc. if any, while executing the works.

11) The proposed gas pipeline is observed to be passing through Industrial, habitation areas and at service road locations covering a length of 3626m. Hence, the applicant shall arrange all applicable permits and clearances, if required, for laying of gas pipeline in such locations at his own risk & cost. The applicant shall also arrange for the shifting of existing utilities, if required, at his own cost as per the norms of the concerned departments.

12) Prior to the commencement of work, the applicant must take safety clearances from the respective Authorities such as Directorate of Electricity, Petroleum and Explosives Safety Organization, State/Central Pollution Control Board and any other statutory clearances as applicable.

13) The applicant should take necessary safety measures/precautions (like barricading, caution boards, danger lighting etc.) while executing the works within the Project highway.

14) The Labour Laws shall be followed.

15) As the project stretch, i) from Km.54+383 to Km.166+183 of Tada - Nellore section of NH-5 is under Concession with the Concessionaire, M/s Swarna Tollway Pvt. Limited, ii) Nellore bypass section of NH-16 from Km.1366+547 to Km.1383+690 is under the O&M contractor M/s M Sanjeeva Raju & iii) Black spot section of Nellore bypass of NH-16 from Km.1382+690 to Km.1383+713 is under the EPC contractor M/s Shrushti Contech Pvt. Ltd, the applicant shall honor the respective agencies, as per relevant provision of their agreements, while executing the works.

16) With regard to the execution of works, prior intimation (15 days in advance) has to be given by the applicant to the above agencies and Independent Engineer/NHAI for safe execution of works.

17) The period of validity of ROW permission shall be co-terminus with the validity of license.

18) The work shall be carried out strictly in accordance with MoRTH guidelines issued vide MoRTH circular nos. RW/NH-33044/29/2015 /S&R (R) dated 22.11.2016, NH-36094/01/2022-S&R (P&B) dated 17.04.2023 and relevant NHAI circulars.

19) The applicant shall submit 3 copies of "As-laid drawings" of utilities (Hard & Soft copies) with Geo-tagged photographs & Geo-tagged videos to the Authority within a month of completion of works.

20) Considering 1m width for both open trench & HDD (as submitted & agreed by the applicant) License Fee is calculated to an amount of **Rs.16,85,120/-** (as per amendments made to clause 5 & 5.2 vide MoRTH Circular No.36094/01/2022-S&R (P&B) dated 17.04.2023 to MoRTH circular No. RW/NH-33044/29/2015/S&R(R) dated 23.11.2016 (Public Utility)).

21) Considering 1m width for both open trench & HDD (as submitted & agreed by the applicant) Performance Bank Guarantee is calculated to an amount of **Rs.40,06,500/-** as per amendments made to clause 6 MoRTH circular No. RW/NH-33044/29/2015/S&R(R) dated 23.11.2016.

22) The Checklist, Strip plans, Cross section drawings, Methodologies, License Fee and Performance Bank Guarantee calculation sheets are herewith enclosed.

Thanking you and assuring our best services at all times

With regards,
For Theme Engineering Services Pvt.Ltd

04/01/2025

(B. Chandra Sekhar)
Team Leader cum Highway Engineer
Kovur office.

Encl:

1. Check list (duly signed)
2. Strip plans (duly signed)
3. Methodologies (duly signed)
4. Licence fee and PBG calculation sheets
5. Cross sections
6. Site photographs

Copy to:

1. The Authorized representative, M/s STPL - for information
2. The Authorized representative, M/s s Shrushti Contech Pvt Ltd - for information.
3. The Authorized representative, M/s MSR - for information
4. The I.E, Theme Engineering Services Pvt. Ltd – for information

Check List

Sl. No.	Item	Information/Status/Applicant's submission	IE's Remarks
1.	General Information	Construction of Gas pipeline in Nellore District	
1.1	Name and Address of the Applicant / Agency	M/s AGP City Gas Private Limited, 3rd Floor, S3 Towers, D. No. 28-5-400, Venkata Reddy Nagar, Vedayapalem, GT Road, Nellore-524004	---
1.2	National Highway Number	NH-16	NH-16
1.3	State	Andhra Pradesh	Andhra Pradesh.
1.4	Location	Near Krishnapatnam Port Road Junction Up to Railway line at Nellore	a. From Km.150+600 to Km.150+650 on LHS (50m) b. From Km.150+650 to Km.152+075 on RHS (1425m) c. From Km.152+075 to Km.166+580 on LHS (i.e. from Km.152+075 to Km.165+183 on LHS (13108m) & Km.1382+380 to Km.1383+713 on RHS (1333m)) in SPSR Nellore district.
1.5	Chainage in Km	From Km.150+600 to Km.150+650 LHS (length 50m), from Km.150+650 to Km.152+075 RHS (length 1425m) from Km.152+075 to Km.166+580 LHS (length 14505m) on chainage increasing direction. Total length including two crossings 16090m and valve chambers along the pipeline every 2.0Km intervals on steel pipeline, Valve chambers every 1Km on MDPE pipeline. Crossing-1 at Km.150+650 (width 60m) Crossing-2 at Km.152+075 (width 50m)	a. From Km.150+600 to Km.150+650 on LHS (50m) b. From Km.150+650 to Km.152+075 on RHS (1425m) c. From Km.152+075 to Km.166+580 on LHS (i.e. from Km.152+075 to Km.165+183 on LHS (13108m) & Km.1382+380 to Km.1383+713 on RHS (1333m)) in SPSR Nellore district.
1.6	Length in Meters	16090m (Including 2 crossings)	16026m
1.7	Width of available ROW		
	(a) Left side from centre line towards increasing Chainage/Km direction	26.5 m (Ch 150/600 KM - 152/070 KM) 25.0 m (Ch 152/070 KM - 153/050 KM) 30.0 m (Ch 153/050 KM - 154/060 KM) 25.0 m (Ch 154/060 KM - 155/100 KM)	Varies from 25m to 30m

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		30.0 m (Ch 155/100 KM - 155/730 KM) 22.5 m (Ch 155/730 KM - 157/700 KM) 25.0 m (Ch 157/700 KM - 161/120 KM) 25.0 m (Ch 161/120 KM - 161/840 KM) 25.0 m (Ch 161/840 KM - 163/330 KM) 25.0 m (Ch 163/330 KM - 166/580 KM)	
	(b) Right side from centre line towards increasing Chainage/Km direction	26.5 m (Ch 151/390 KM - 152/070 KM) 25.0 m (Ch 152/070 KM - 153/050 KM) 30.0 m (Ch 153/050 KM - 154/060 KM) 25.0 m (Ch 154/060 KM - 155/100 KM) 30.0 m (Ch 155/100 KM - 155/730 KM) 22.5 m (Ch 155/730 KM - 157/700 KM) 25.0 m (Ch 157/700 KM - 161/120 KM) 25.0 m (Ch 161/120 KM - 161/840 KM) 25.0 m (Ch 161/840 KM - 163/330 KM) 25.0 m (Ch 163/330 KM - 166/580 KM)	Varies from 22.5m to 30m
1.8	Proposal to lay underground gas pipeline		
	(a) Left side from center line towards increasing chainage/Km direction	Extreme edge of the ROW	a. From Km.150+600 to Km.150+650 on LHS b. From Km.152+075 to Km.166+580 on LHS (i.e. from Km.152+075 to Km.165+183 on LHS & Km.1382+380 to Km.1383+713 on RHS) in SPSR Nellore district.
	(b) Right side from center line towards increasing chainage/Km direction	Extreme edge of the ROW	a. From Km.150+650 to Km.152+075 on RHS in SPSR Nellore district.
1.9	Proposal to acquire land	Not Applicable	
	(a) Left side from centre line	Not Applicable	Not Applicable
	(b) Right side from centre line	Not Applicable	Not Applicable
1.10	Whether proposal is in the same side Where land is not to be acquired	Yes	Yes
	If not then where to lay the gas pipe line	Not Applicable	Not Applicable
1.11	Details of already laid service, if any along the proposal route	Nil	Concessionaire laid OFC cables on RHS of the Project highway.
1.12	Number of existing lanes (2/4/6/8)	4 lanes	4 lanes.

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1.13	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4/6 lanes	6 lanes construction work as part of black spot rectification is under progress from Km.1382+690 to Km.1383+699
1.14	Service road existing or not if Yes then which side	Yes	Yes LHS & RHS
	(a) Left side from centre line	25m, 1) From Km 156+400 to 157.600 Service road at Venkatachalam, 2) From Km163.000 to Km 163.900 Service road at Private property and 3) From Km 164.400 to 165.183 service road at Nellore.	1. 156+500 to 157+560 LHS 2. 164+540 to 165+183 LHS 3. 163+000 to 163+900 LHS (of private property) 4. 1382+690 to 1383+713 LHS (Flyover works are under construction)
	(b) Right side from centre line	25m, 1) From Km 156+400 to 157.600 Service road at Venkatachalam, 2) From Km163.000 to Km 163.900 Service road at Private property and 3) From Km 164.400 to 165.183 service road at Nellore.	1. 156+500 to 157+560 RHS 2. 164+540 to 165+183 RHS 3. 1382+690 to 1383+713 RHS (Flyover works are under construction)
1.15	Proposed service road		
	(a) Left side from centre line	Not Applicable	1382+690 to 1383+713 LHS (Flyover works under construction)
	(b) Right side from centre line	Not Applicable	1382+690 to 1383+713 RHS (Flyover works under construction)
1.16	Whether proposal to lay the gas pipeline is after service road or between the service road and main carriageway	Pipeline shall be laid at the extreme edge of RoW or after the service road	Proposed to lay after service road & across NH-16.
1.17	Whether carrying of gas pipeline cable line has been proposed on highway bridges. If Yes, then mention the methodology proposed for the same.	Enclosed	No
1.18	Whether carrying of gas pipeline cable line has been proposed on parapet/any part of the bridges. If Yes, then mention the methodology proposed for the same.	Not Applicable	No
1.19	If crossings of the road involved. If yes, it shall be either encased in pipes or through structures or conduits specially built for that purpose at the expenses of the agency owning the line.	Yes, HDD methodology to be adopted. Document attached.	Yes, crossing proposed by HDD at Km.150+650 & at Km.152+075 in casing pipes.

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	(a) Whether existing drainage structures are allowed to carry the pipeline	No	No
	(b) Is it on a line normal to NH	Yes, it is on a line normal to NH.	Proposed to lay normal to NH
	(c) What is the distance of crossing the Utility pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway. the minimum distance being 15 meter.	Minimum 15 meters away from the existing structures.	The proposed crossing locations (Km.150+650 & Km.152+075) are More than 15m from the nearest structures.
	(d) The casing pipe (or conduit pipe in the case of electric cable carrying the Utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.	8" inch dia Steel + 125mm dia MDPE	Steel casing pipes are proposed at the crossing locations. (for 8inch pipe12inch dia casing & for 125mm dia pipe 10inch dia casing are proposed)
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	Ends of the casing pipe shall be sealed from the outside.
	(f) 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.	Yes	The casing pipe should extend from drain to drain in cuts and toe of slope in the fills.
	(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. Mention the proposed details.	Yes	Proposed, conforming to MoRTH Guidelines.
	(h) Mention the methodology proposed for crossing of road for the proposed Sewage/Gas/OFC cable 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.	HDD Methodology to be adopted. Document attached.	HDD method proposed.

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	(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	The casing pipe shall prevent the formation of a waterway along it.
2	Document / Drawings enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.65 deep X 0.5m wide) (i) should not be greater than 60cm wider than the outer diameter of the pipe. (ii) Located as close to the extreme edge of the right of way as possible but not less than 15 meter from the centre-line 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, Enclosed.	Enclosed.
2.2	Cross section showing the size of Pit and location of Cable for HDD method	Yes, Enclosed.	Enclosed.
2.3	Strip plan/ Route plan showing the gas pipe line, Chainage, Width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes, enclosed.	Enclosed.
2.4	Methodology for laying of gas pipe line	Open trench for along section and HDD methodology will be used for crossing.	Enclosed.
2.4.1	Open trenching method. (May be allowed in utility corridor only where	HDD methodology will be used for crossing.	HDD method proposed for crossings. Open trench method proposed in locations other than

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	pavement is neither cement concrete nor dense bituminous concrete type). If yes, what is the methodology of refilling of trench.		crossings, cross roads, built-up areas, service roads, culverts & bridges.
	(a) The trench width should be at least 30cm, but not more than 60 cm wider than the outer diameter of the pipe.	Agreed	Not Applicable as HDD method proposed for crossings
	(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	Not Applicable as HDD method proposed for crossings
	c) The back fill 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	Not Applicable as HDD method proposed for crossings
	d) The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tempering 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	Not Applicable as HDD method proposed for crossings
	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.	Not Applicable	Not Applicable as HDD method proposed for crossings
	f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Agreed	Not Applicable as HDD method proposed for crossings

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	g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Agreed	Not Applicable as HDD method proposed for crossings
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	Methodology enclosed for HDD method conforming to guidelines.
2.4.3	Methodology for laying of gas pipe line through CD Works and method of laying. In case where the carrying of gas pipe line on the bridge becomes inescapable.	NA. Pipeline in not proposed on Bridge.	Laying of gas pipeline is not proposed on beidges.
3	Draft License Agreement signed by two witness.	Enclosed.	Draft License Agreement signed by two witness enclosed
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	---	The license fee estimate as per Clause 5.2 of MoRTH circular no. NH-36094/01/2022-S&R (P&B) dated 17th April 2023 is enclosed.
4	Whether performance Bank Guarantee as per circular No. RW/NH-044/29/2015/S&R ® dated 22.11.2016 is obtained.	Bank Guarantee will be submitted as and when intimated by authority (Undertaking Enclosed) Will be submitted on receipt of Demand Note	Applicant submitted undertaking for renewal of Bank Guarantee as per the requirement of NHAI/MoRTH.
4.2	Confirmation of BG has been obtained or not as per MoRTH/NHAI/ guidelines.	BG shall be submitted as per MORTH Guidelines.	Applicant agrees to submit BG on receipt of demand note.
5	Affidavit/undertaking from the Applicant for the following is to be furnished		
5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, enclosed with the proposal	Enclosed.
5.2	Undertaking for renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	Yes, enclosed with the proposal	Enclosed.
5.3	Undertaking for confirming all standard conditions of Ministry Circulars and NHAI's guidelines.	Yes, enclosed with the proposal	Enclosed.

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	Undertaking for Shifting of Gas pipe line as and when required by NH at their own cost	Yes, enclosed with the proposal	Enclosed.
	Undertaking for Shifting due to 6 lanning / widening of NH	Yes, enclosed with the proposal	Enclosed.
5.4	Undertaking for indemnity against all damages and claims clause	Yes, enclosed with the proposal	Enclosed.
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Yes, enclosed with the proposal	Enclosed.
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant.	Yes, enclosed with the proposal	Enclosed.
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the utility located in the National Highway right-of-way.	Yes, enclosed with the proposal	Enclosed.
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes, enclosed with the proposal	Enclosed.
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide Ministy's circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	---	Applicant to submit undertaking
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organization, Oil	---	Applicant to submit undertaking

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	Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance applicable, before applying to Highway Administration.		
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NHAI 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 the proposal	Enclosed.
5.12	Certificate from the applicant in the following format.		
	(i) Laying of gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes, enclosed with the proposal	Enclosed.
	(ii) "We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development.	Yes, enclosed with the proposal	Enclosed.
6	Who will sign the agreement on behalf of gas pipe line agency. Power of Attorney to sign the agreement is available or not	Gautam Anand, (Regional Head - Nellore/Chittor/Tirupathi) M/s AGP City Gas Private Limited Copy of the Power of Attorney enclosed.	Gautam Anand, Regional Head - M/s AGP City Gas Private Limited Enclosed
7	The Project Director, will submit the following certificates		
7.1	Certificate that the proposal is confirming to all standard conditions	Enclosed.	To be enclosed by PD, PIU, Nellore

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	issued vide Ministry's Circular No: RW/NH--33044/29/2015/S&R (R) dated 22.11.2016.		
7.2	Certificate from PD in the following format:		To be enclosed by PD, PIU, Nellore
	(i) "it is certified that any other located of the gas pipe line would be extremely difficult and unreasonable costly and the installation of gas pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc."	Yes	To be enclosed by PD, PIU, Nellore
	ii) for 6- laning a) where feasibility is available, "I do certify that there will be no hindrance to proposed six- lining based on the feasibility report considering proposed structures at the said location."	Yes	To be enclosed by PD, PIU, Nellore
	b) in case feasibility report is not available, "I do certify that sufficient ROW is available at site for accommodating proposed six-laning."	Yes	To be enclosed by PD, PIU, Nellore
8	If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted as a right to way for gas pipeline has also been granted as a right of way to the Concessionaire under the concession agreement for up-gradation of (54+383 to 165+183 of NH-16 on Build, Operate and Transfer Basis) and therefore, the licensee shall honour the same".	Yes, Included in the Agreement.	Clause is inserted in the draft agreement.

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9	Who will supervise the work of laying of gas pipe line		
	a) On behalf of the Applicant	Site Engineer, M/s AGP City Gas Private Limited	Site Engineer, M/s AGP City Gas Private Limited
	b) On behalf of NHAI	Project Director, PIU Nellore	NHAI PIU, Nellore /Independent Engineer
10	Who will ensure that the defects in road portion after laying of gas pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	M/s AGP City Gas Private Limited	Gautam Anand,
	b) On behalf of NHAI	Project Director, PIU Nellore	Regional Head - M/s AGP City Gas Private Limited, to ensure that the defects in road portion after laying of gas pipe line are corrected.
11	Who will pay the claims for damages done/disruption in working of Concessionaire, if asked by the Concessionaire. On behalf of the Applicant	M/s AGP City Gas Private Limited	Gautam Anand, Regional Head - M/s AGP City Gas Private Limited, to pay the claims for damages done/disruption in working of Concessionaire, if asked by the Concessionaire
12	A Certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed)	Yes	To be enclosed by PD, PIU, Nellore
13	If any previous approval is accorded for laying of gas pipe line then photocopy of register of records of permissions accorded (as maintained by PD) be enclosed.	No previous approvals accord at the proposed location.	To be enclosed by PD, PIU, Nellore

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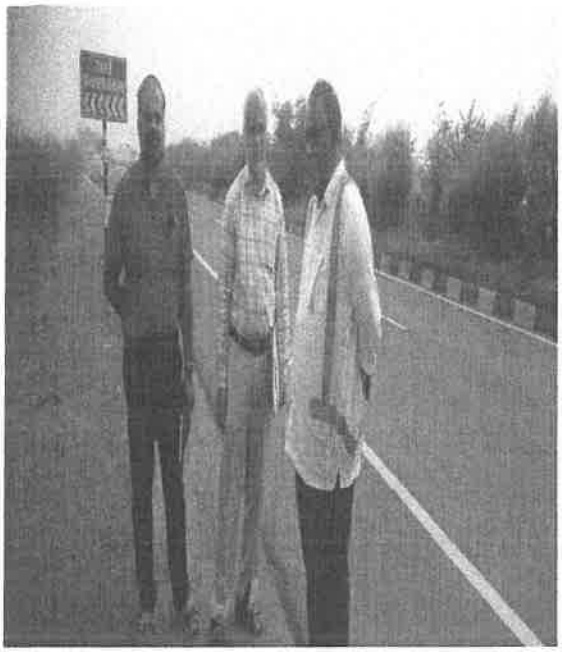
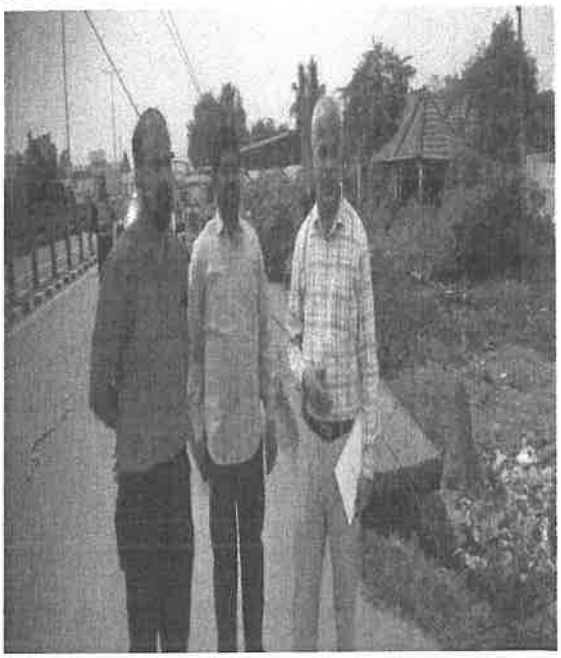
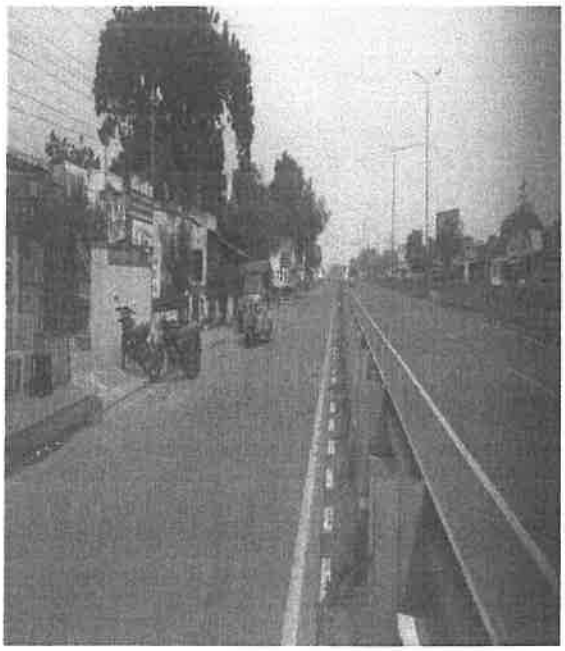
Photographs







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Licence Fee and Bank Guaranee Calculation

Permission for laying of underground gas pipe lone 8" dia Steel + 125mm dia MDPE pipeline along NH-16
(from Near Krishnapatnam port road junction to Near railway line at Nellore)
i) from Km.150+600 to Km.150+650 LHS (length 50m), ii) Crossing – 1 at Km.150+650 LHS to RHS (width 60m)
iii) from Km.150+650 to Km.152+075 RHS (length 1425m), iv) Crossing – 2 at Km.152+075 RHS to LHS (width 50m)
v) from Km.152+075 to Km.165+183 LHS (length 13108m), vi) from Km.1382+380 to Km.1383+713 RHS (length 13333m)
in Nellore District of Andhra Pradesh State,
as per amendments made to clause 5 & 5.2 vide MoRTH Circular No.36094/01/2022-S&R (P&B) dated 17.04.2023
to MoRTH circular No. RW/NH-33044/29/2015/S&R(R) dated 23.11.2016 (**Public Utility**)

S.No.	Name of the Village	Mandal	Chainage			Length in meters	Proposed land width (m)	Proposed land area (Sqm)	Prevailing circle rate of land (Rs. per Acre)	Prevailing circle rate of land (Rs. per Sqm)	License fee per annum (Rs) @ 1.5% per annum	Remarks
			From	To	Side							
			(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9) =(6)x(8)x1.5/100	
1	Guruvindapudi	Manubolu	150.600	150.650	LHS	50	1.000	50	2000000	494.21	370.66	Considering 1m width for both open trench & HDD as submitted by the applicant
2	Guruvindapudi	Manubolu	150.650	151.450	RHS	800	1.000	800	2000000	494.21	5930.52	
3	Anupallipadu	Manubolu	151.450	152.075	RHS	625	1.000	625	1520000	375.6	3521.25	
4	Anupallipadu	Manubolu	152.075	152.100	LHS	25	1.000	25	1520000	375.6	140.85	
5	Guruvindapudi	Manubolu	152.100	153.800	LHS	1700	1.000	1700	2000000	494.21	12602.36	
6	Kanpuru Bit-1 (Venkatachalam)	Venkatachalam	153.800	158.850	LHS	5050	1.000	5050	2368000	585.15	44325.11	
7	Kakaturu	Venkatachalam	158.850	164.500	LHS	5650	1.000	5650	4655000	1150.27	97485.38	
8	Bujabuja Nellore	Nellore Rural	164.500	165.183	LHS	683	1.000	683	17910000	4425.65	45340.78	
	Bujabuja Nellore	Nellore Rural	1382.380	1383.713	RHS	1333	1.000	1333	17910000	4425.65	88490.87	
	Guruvindapudi	Manubolu	Crossing-1	150.650	LHS to RHS	60	1.000	60	2000000	494.21	444.79	
11	Anupallipadu	Manubolu	Crossing-2	152.075	RHS to LHS	50	1.000	50	1520000	375.6	281.70	
					Total mtrs	16026				License fee for 1st year	2,98,934	
										License fee for 2nd year (with 6% annual increment)	3,16,870	
										License fee for 3rd year (with 6% annual increment)	3,35,883	
										License fee for 4th year (with 6% annual increment)	3,56,036	
										License fee for 5th year (with 6% annual increment)	3,77,398	
										License fee for total term of license (Up to 5 years)	**16,85,120**	

Performance Bank Guarantee calculations

S. No	Chainage(In KM)			Length of Route (m)	Width (mm)	Rate per meter(Rs)	Performance Bank Guarantee (Rs)	Remarks
	From	To	Side					
1	150.600	150.650	LHS	50	1000	250	12,500	
2	150.650	151.450	RHS	800	1000	250	2,00,000	
3	151.450	152.075	RHS	625	1000	250	1,56,250	
4	152.075	152.100	LHS	25	1000	250	6,250	
5	152.100	153.800	LHS	1700	1000	250	4,25,000	
6	153.800	158.850	LHS	5050	1000	250	12,62,500	
7	158.850	164.500	LHS	5650	1000	250	14,12,500	
8	164.500	165.183	LHS	683	1000	250	1,70,750	
9	1382.380	1383.713	RHS	1333	1000	250	3,33,250	
10	Crossing-1	150.650	LHS to RHS	60	1000	250	15,000	
11	Crossing-2	152.075	RHS to LHS	50	1000	250	12,500	
						Total	**40,06,500**	

Note: As submitted by the applicant and agreed for considering 1m width for both open trench & HDD

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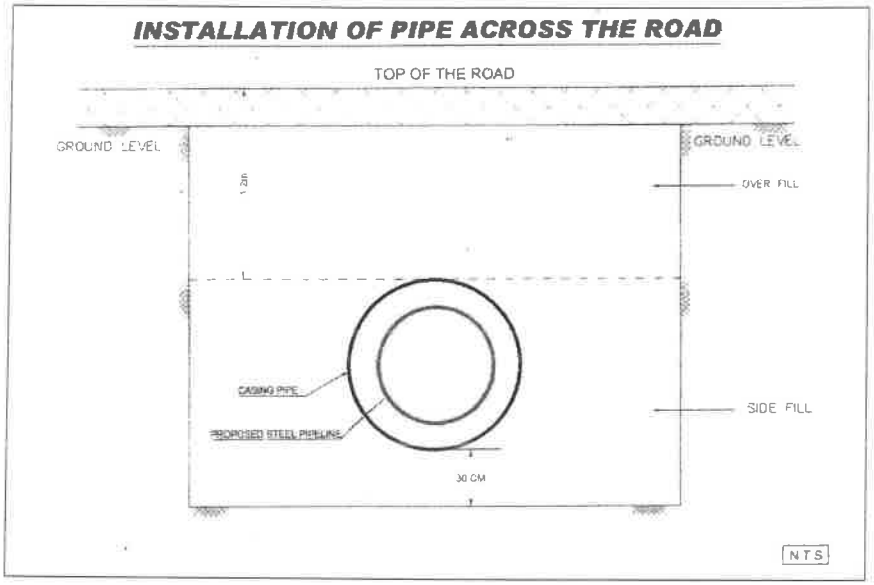
AG&P

CROSSING METHODOLOGY – NHAI/NH/R&B ROADS

This methodology is submitted for laying & crossing of NHAI/NH/R&B Roads.

Typical crossing drawing and pipeline specific details are as below;



The laying of pipeline across the National Highway / State Highway shall be carried out by Trench Less Technique i.e. either by Boring or Ramming of carrier pipe or by Micro-Tunneling or by Horizontal Directional Drilling without disturbing the normal traffic on the Highway. All the safety measures shall be taken during execution of pipeline laying work across the National Highway/State highway.

The actual procedure shall be decided best on the Geo Technical report conforming the soil strata and ascertaining the correct profile of the watercourse or other obstacles to be crossed.

Boring

Boring is the most popular and simplest procedure for crossing of highways and major roads with heavy traffic. Similar to a directional drill for river crossings, the road bore is accomplished with a horizontal drill rig, or boring machine. The boring machine drills a hole under the road to allow insertion of the pipe. In most of the cases, a casing is first installed in the hole, and the carrier pipeline is inserted inside the casing. The benefit of the road boring is that it allows installation of the pipeline without disrupting traffic.

Carrier pipe shall be laid inside the casing pipe. Generally, diameter of casing will be 150mm higher than the carrier pipe. The casing pipe shall be made of approved steel with epoxy coating (Internal and External) or approved reinforced concrete pipe. The thickness of casing pipe shall be decided so as to take all the external load during construction and

after completion of work. 1:100 slopes will be provided towards drain during installation of the casing pipe. The casing pipe will be extended a minimum of 600 mm beyond the toe of the slope or base grade or 90 mm beyond the bottom of the drainage ditch whichever is greater.

Inserting the Casing

The inserting of casing pipe will start only after the working pits have been constructed and finished completely and the assembly between the wall and the driving unit has been carried out. During the driving process a cutting head will be pushed gradually into the virgin soil. As the insertion progresses, the soil excavated by the cutting head will be removed using a soil transportation device. The excavation face will under no circumstances go beyond the cutting head.

Where necessary, the work will be carried out by exercising a counter - pressure at excavation face to prevent any water from bursting through. The front face will be at all times be sealed tight against water and soil. The cutting head will be manageable by itself and provide with the necessary guiding jacks which will be able to be driven independently. In case of driving with pressurized air as front support, the air pressure will be constantly maintained where there is a danger of water seepage and /or collapse.

The casing will have a sufficient number of injection openings to enable lubrication of the casing, during driving, between the soil and the outside wall with thixotropic or equivalent fluids in order to reduce soil friction. After the insertion operations, the injection openings will be sealed to air -and-water-tightness.

Following measurements shall be taken during the driving operation.

- Measurement of the number of meters casing inserted, including the cutting head in each work shift of 8 hours.
- Measurement of the peak pressure of the main jacks and that of any intermediate driving stations required to start moving the casing at the commencement of the work of each work shift;
- Measurement of the center of the cutting head in X, Y and Z co-ordinates after driving each pipe with an accuracy of 5 mm and comparison with a fixed center line system independent of the driving wall and casing train;
- The automatic recording of the front face support pressure (drilling fluid, air, soil, water)

The maximum permitted deviation throughout the entire duration of the driving process in 10 cm both vertically and horizontally measured in relation to the connection line of the centers of the bore holes in the entry and exit working pit walls.

Inserting Carrier pipe through the casing

When the pipe is insert into the casing, the presence of the Owner and/or its representative is required. The insertion will be carried out with a sufficient number of suitable machines.

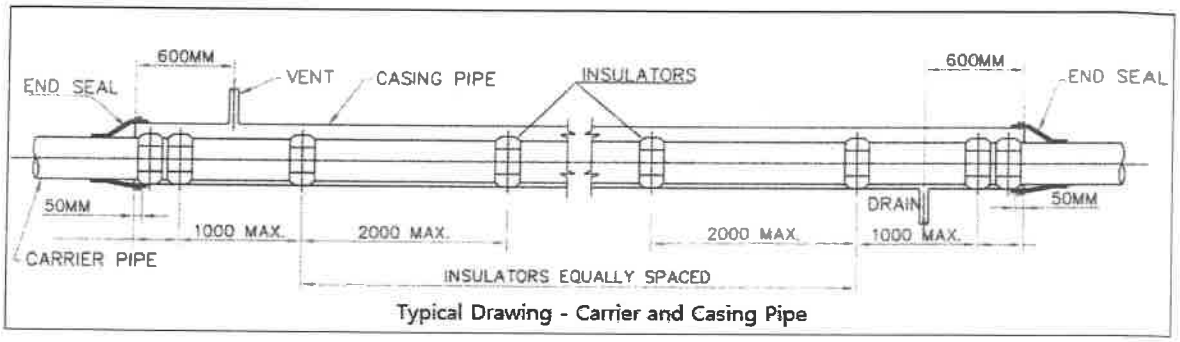
The pipeline will be kept completely in line with the casing. Damage to the coating will be excluded altogether. The progress of the pipeline in the casing will be gradual and under control. The front end of the pipe will be equipped with a slider-shoe and drawn by a cable through the casing.

The casing pipe will be filled by sand / bentonite slurry filling (by pumps). Both extremities of casing will be sealed in an appropriate manner.

Installing Space Collars/Insulators

The spacer collars will be placed at 2.00m from each other. At the extremities of the casing, two spacer collars will be placed whereby the outer spacer collars will be located at least 30cm inside the casing.

The support points of the successive spacer collars may not be located in one line but will be regularly staggered. The spacer collars will be made completely of HDPE material with a minimum height of 25cm. Electrical insulation between the casing and carrier pipe shall be checked with megger time to time.



Typical Drawing - Carrier and Casing Pipe

Site Restoration and Installation of Vent, Drain and Warning Sign Board

After installation of casing and carrier pipe the road shall be restored to the satisfaction of concern authorities. The installation of vent and drain shall be installed at both the ends of crossing. Warning sign boards indicating the warning about flowing of high pressure natural gas and telephone numbers of the concern maintenance office shall be installed on both side of the high way as per drawing.

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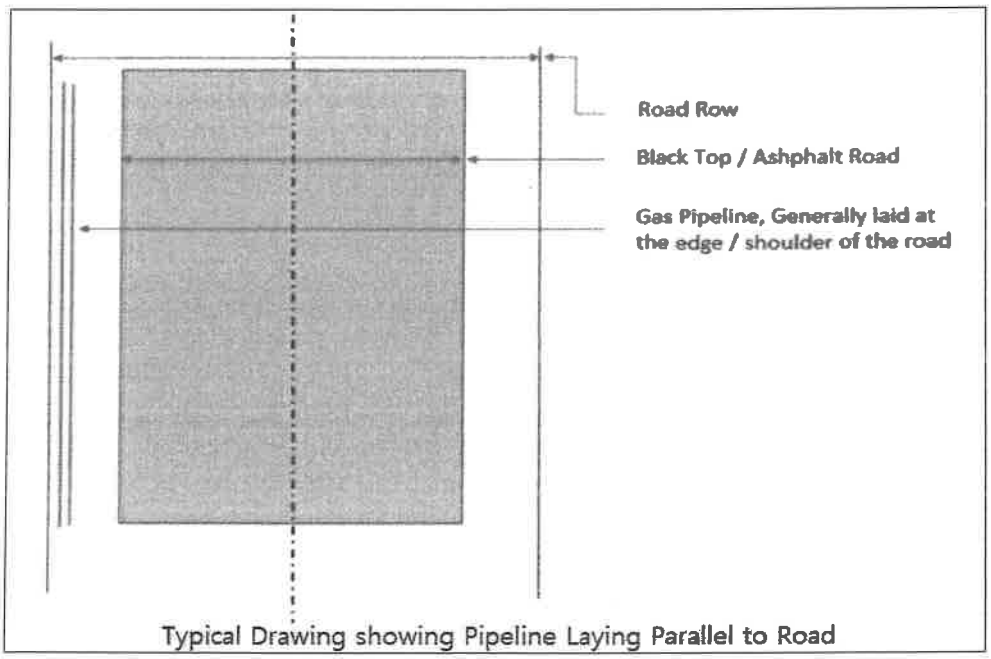
AG&P

Open-Cut laying (parallel to Road) within RoW of NHAI/NH/R&B Roads

1. **Pre-Excavation Planning**
   - Route survey is initiated for proposed area of laying
   - Route finalized keeping safety, construction and operation ease
   - Normally, pipeline is laid at the edge of road on berm / soil
   - Joint site visit; followed by Permissions from concern authorities prior to start of work
   - Before starting of work route marking is done
   - Presence of other utilities like water line, cables etc are identified with the help of Trial Pits and/or Cable Locator



Typical Drawing showing Pipeline Laying Parallel to Road

2. **Excavation**
   - Risk Assessment and mitigation is done for route including U/G utilities
   - Work area is isolated properly with barricades and display boards
   - Excavation soil is kept away from trench edge
   - Native soil is kept separate for backfilling purpose
   - Activity shall be planned in a manner to cause minimum inconvenience to general public

3. **Pipeline Laying and Backfilling**
   - Upon reaching to desired depth of excavation, pipeline laying will be planned
   - Visual inspection of trench is done to ensure that there is not sharp objects inside the trench; and desired depth of trench is done

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- Soft Soil bedding is provided for 100/150mm for normal and rocky strata respectively
- Pipeline is lowered at the center of trench
- Soft Soil padding is provided for 100mm above the pipe
- Native soil is backfilled after removing stones, sharp edge objects
- Warning tape is laid at 0.5 m depth to safeguard the pipe
- Watering and stage-wise soil compaction is done to avoid depression of trench
- Crowning of trench is done for about 200-300mm for settling backfilled material
- After backfilling to of trench near to original condition, NOC from authority shall be obtained by AG&P Contractor

HSE Plan for National Highway/State Highway Roads

1. Identify the underground utility during joint visit with concerned authority. Risk identified during site visit report will be mitigated with proper risk assessment.
2. The location and status of underground services shall be marked on ground and discussed in Toolbox Talks.
3. Site Specific Risk assessment according to site risks and dynamic risk assessment to be done prior to execution of work.
4. Excavation area site to be visually inspected for other utilities, source of ignition etc.
5. All efforts to be made to minimize the night work.
6. Assess the requirement for personnel to enter and egress from the excavation.
7. Contractor supervisor must discuss the job with AG&P engineer including the risk involved, any abnormal situation, possible failure of machines/ system, human error etc.
8. Assess the impact that excavation may have on any adjacent structures.
9. Manual excavation laborer involved should be experienced with proper HSE induction.
10. PPE is must for all the persons involved and to be ensured by the supervision.
11. Proper barricading to be ensured at the worksite.
12. Trenching to be supervised with experienced supervisor.
13. As the trench depth increases, step cutting to be done for proper exit in case of emergency.
14. Buddy system to be followed for keeping risk of confined space at minimal levels. Proper communication method and regular communication to be done with the excavation workers involved will be done.
15. The trench depth shall be increased uniformly in accordance with minimum permissible radius of bend at approaches to crossing and shall have proper slope for the trench side in order to avoid slide / collapse.
16. Excavation and other material to be stored away from edge of the trench.
17. Workers should not be permitted to work in excavations where water has accumulated or is accumulating unless adequate precautions have been taken.
18. All lifting tool and devices used should be well maintained and approved by competent authority.
19. The site must be checked daily for tidiness and safety before work begin.

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20. Movement of pipe section to be done with proper risk assessment of the site conditions.
21. Only trained rigging personnel to be deployed for this activity.
22. Personnel around the machine should be cautious for overhead falling objects.
23. Guiding ropes to be used for directing pipe section for unloading.
24. Lowering of pipe to be done in closed supervision of the AG&P team / representatives
25. Pipe to be placed in the center of underground utility for which crossing need to be done.
26. Underground utility to be properly safeguarded during carrying out these activities.
27. Proper backfilling to be ensured after completion of the activity.
28. First aid kit to be ensured at site.
29. Special attention to be paid by the site engineer to the following: -
    - The stability of the ground
    - Adequacy of supports;
    - Undue loading to trench edges;
    - Clear working space;
    - Adequate means of entry and exit;
    - Provision of suitable protection to prevent persons falling into the trench.

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HORIZONTAL DIRECTIONAL DRILLING

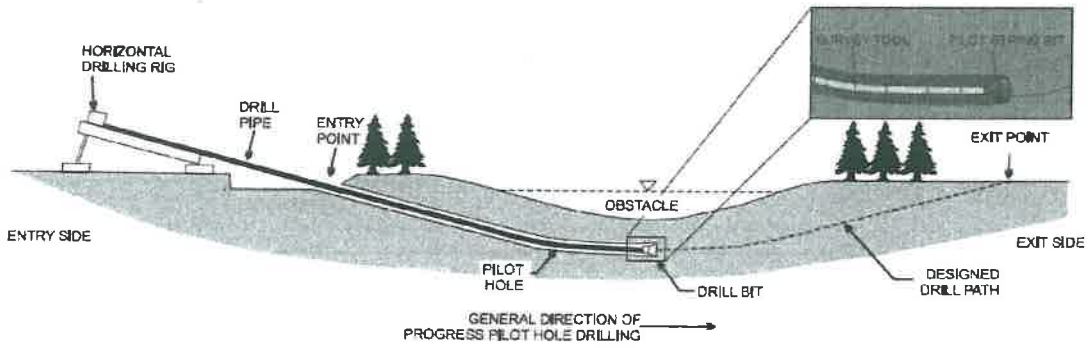
Horizontal Directional Drilling (HDD) – A trenchless method of installing pipe in the ground at variable angles using a guidable drill head

- 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:

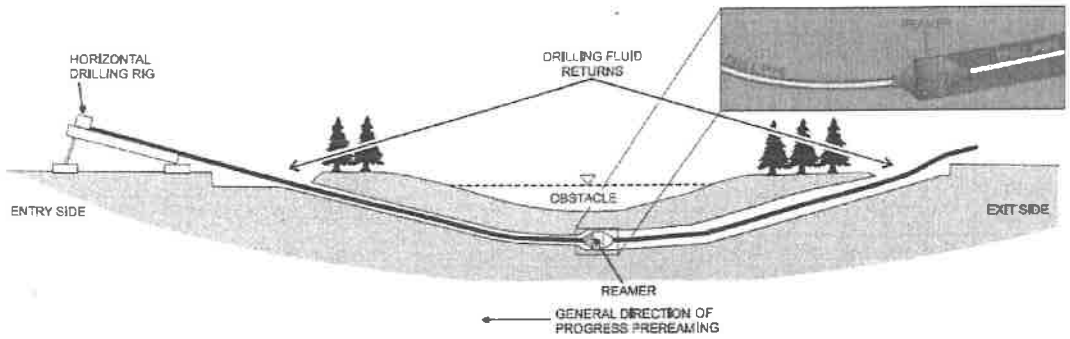
The process starts with receiving hole and entrance pits. These pits will allow the drilling fluid to be collected and reclaimed to reduce costs and prevent waste. The first stage drills a pilot hole on the designed path, and the second stage (reaming) enlarges the hole by passing a larger cutting tool 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



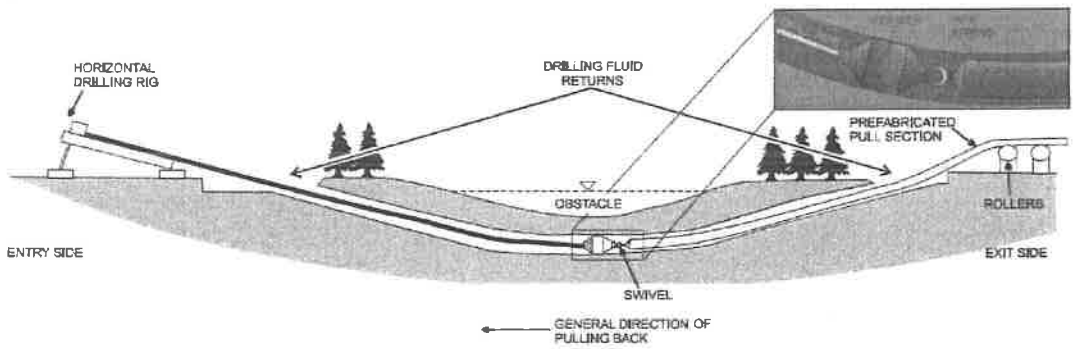
Source: CAPP Publication 2004-0022

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



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

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

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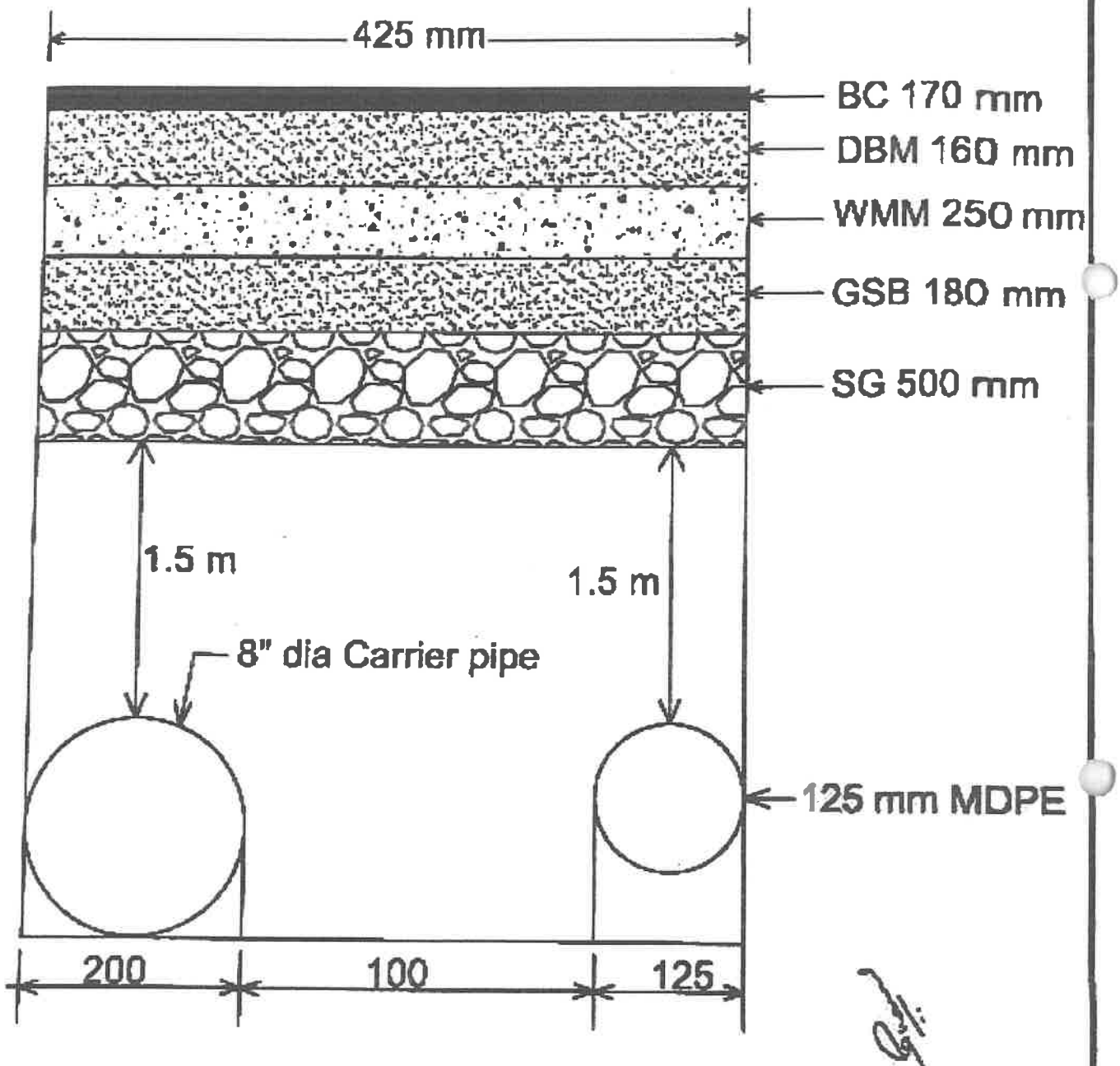
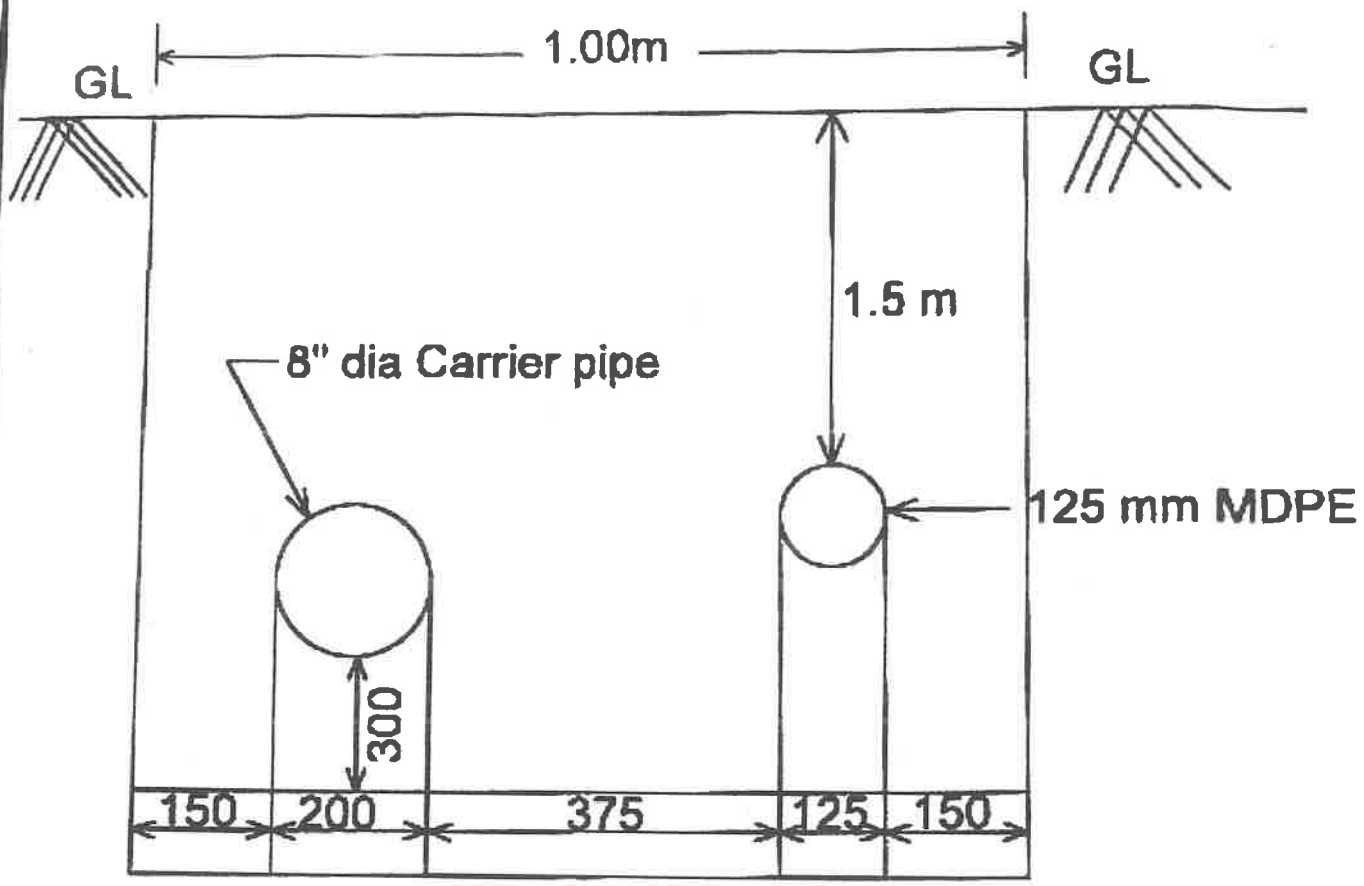
TYPICAL CROSS SECTION BY HDD ALONG NH-16



Project Director
NHAI, Pid... ...ore.(A.P.)

The Engineering Services Pvt. Ltd. KOVUR

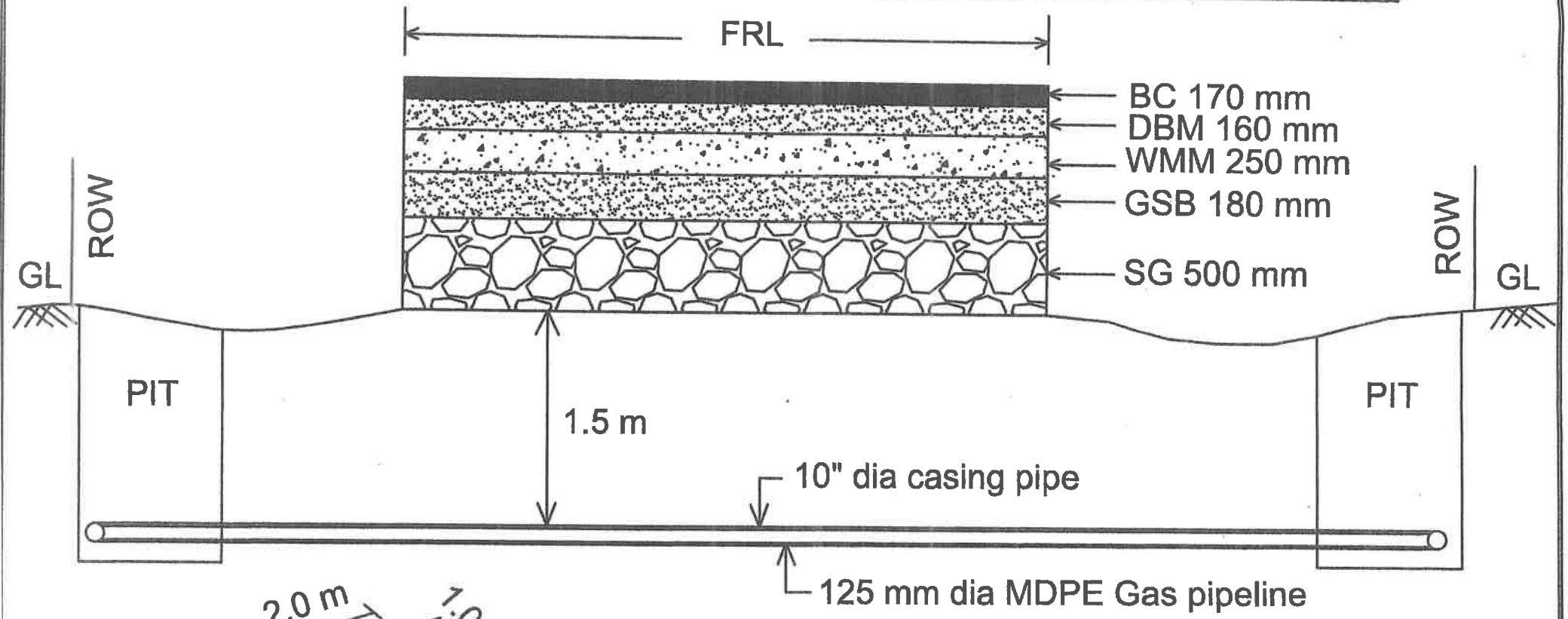
TYPICAL CROSS SECTION BY OPEN TRENCH ALONG NH-16

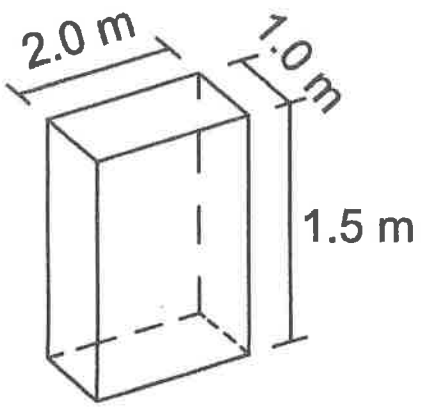


Project Director
NHAI, Nellore.(A.P.)

Thane Engineering Services Pvt. Ltd. KOVUR

TYPICAL CROSS SECTION BY HDD ACROSS NH-16





PIT SIZE

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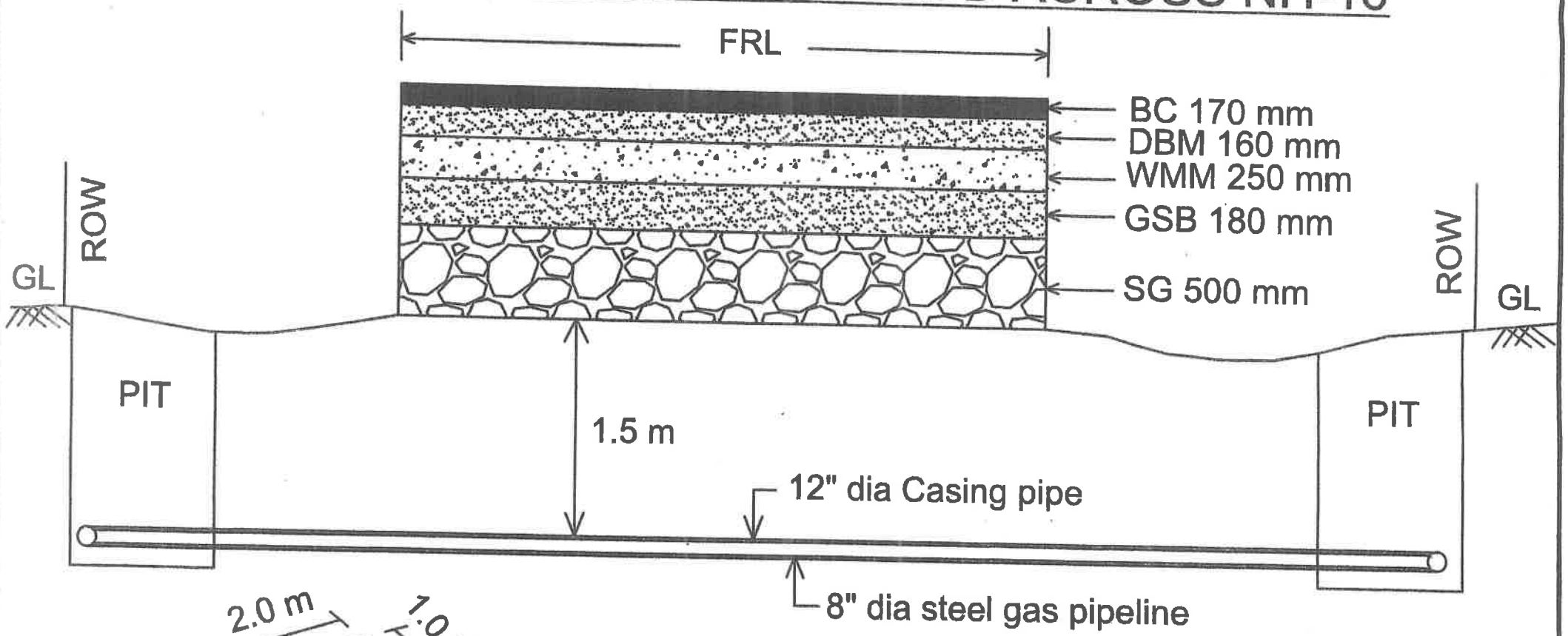
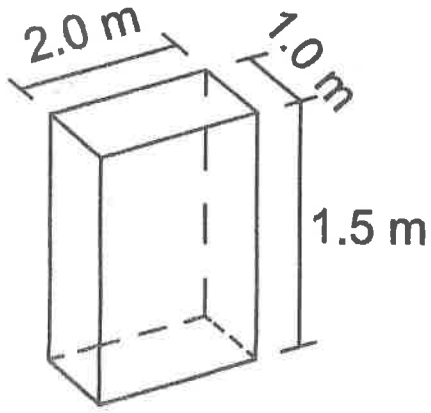
Project Director
NHAI, PIU-Nellore.(A.P.)

Theme Engineering Services Pvt. Ltd., KOVUR

TYPICAL CROSS SECTION BY HDD ACROSS NH-16





PIT SIZE

AGP CITY GAS PRIVATE LIMITED

Project Director
NHAI, PIU-Nellore.(A.P.)

Thema Engineering Services Pvt. Ltd., KOVUR

Statement showing Open cut Method and HDD Method

S.No.	Description	Chainage			By Open cut Method in mts	By HDD Method in	Remarks
		from km	to km	distance			
1	Along the NH-16 by open cut	150+600	150+650	50	50	-	
2	Across NH-16 at Km 150+650	-	-	60	-	60	
3	Along the NH-16 by open cut	150+650	151+460	810	810	-	
4	Approach road, Across NH-67 at Km 151+490 (Krishnapatnam road)	151+460	151+520	60	-	60	
5	Along the NH-16 by open cut	151+520	151+905	385	385	-	
6	Culvert crossing at km 151+910	151+905	151+915	10	-	10	
7	Along the NH-16 by open cut	151+915	152+045	130	130	-	
8	Culvert crossing at km 152+050	152+045	152+055	10	-	10	
9	Along the NH-16 by open cut	152+055	152+075	20	20	-	
10	Across NH-16 at Km 152+075	-	-	50	-	50	
11	Along the NH-16 by open cut	152+075	152+455	380	380	-	
12	Across railway crossing at Km 152+480	152+455	152+505	50	-	50	
13	Along the NH-16 by open cut	152+505	153+040	535	535	-	
14	Approach BT Road crossing at km 153+055	153+040	153+070	30	-	30	
15	Along the NH-16 by open cut	153+070	153+545	475	475	-	
16	Culvert crossing at km 153+550	153+545	153+555	10	-	10	
17	Along the NH-16 by open cut	153+555	154+140	585	585	-	
18	Culvert crossing at km 154+150 (RVNL)	154+140	154+160	20	-	20	
19	Along the NH-16 by open cut	154+160	154+210	50	50	-	
20	Proposed BT Road crossing at km 154+215	154+210	154+220	10	-	10	
21	Along the NH-16 by open cut	154+220	154+690	470	470	-	
22	Proposed BT Road crossing at km 154+700	154+690	154+710	20	-	20	
23	Along the NH-16 by open cut	154+710	155+009	299	299	-	
24	Culvert crossing at km155+029	155+009	155+049	40	-	40	
25	Along the NH-16 by open cut	155+049	155+200	151	151	-	
26	Proposed HDD along service road	155+200	155+600	400	-	400	
27	Along the NH-16 by open cut	155+600	155+718	118	118	-	
28	Proposed BT Road crossing at Km 155+728	155+718	155+738	20	-	20	
29	Along the NH-16 by open cut	155+738	155+815	77	77	-	
30	Proposed BT Road crossing at Km 155+820	155+815	155+825	10	-	10	
31	Along the NH-16 by open cut	155+825	155+925	100	100	-	

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32	Approach BT Road crossing at Km 155+935	155+925	155+945	20	-	20	
33	Along the NH-16 by open cut	155+945	156+038	93	93	-	
34	Culvert crossing at km156+043	156+038	156+048	10	-	10	
35	Along the NH-16 by open cut	156+048	156+131	83	83	-	
36	Culvert crossing at km156+136	156+131	156+141	10	-	10	
37	Along the NH-16 by open cut	156+141	156+500	359	359	-	
38	Proposed HDD along service road from km 156+500 to km 157+560	156+500	157+560	1060	-	1060	
39	Along the NH-16 by open cut	157+560	157+808	248	248	-	
40	Culvert crossing at km157+813	157+808	157+818	10	-	10	
41	Along the NH-16 by open cut	157+818	159+210	1392	1392	-	
42	Culvert crossing at km159+215	159+210	159+220	10	-	10	
43	Along the NH-16 by open cut	159+220	159+360	140	140	-	
44	Approach BT Road crossing at Km 159+365	159+360	159+370	10	-	10	
45	Along the NH-16 by open cut	159+370	160+115	745	745	-	
46	Culvert crossing at km160+120	160+115	160+125	10	-	10	
47	Along the NH-16 by open cut	160+125	160+240	115	115	-	
48	Culvert crossing at km160+245	160+240	160+250	10	-	10	
49	Along the NH-16 by open cut	160+250	160+380	130	130	-	
50	Culvert crossing at km160+385	160+380	160+390	10	-	10	
51	Along the NH-16 by open cut	160+390	160+700	310	310	-	
52	Culvert crossing at km160+705	160+700	160+710	10	-	10	
53	Along the NH-16 by open cut	160+710	160+895	185	185	-	
54	Culvert crossing at km160+900	160+895	160+905	10	-	10	
55	Along the NH-16 by open cut	160+905	160+975	70	70	-	
56	Proposed BT Road crossing at Km 160+980	160+975	160+985	10	-	10	
57	Along the NH-16 by open cut	160+985	161+677	692	692	-	
58	Culvert crossing at km161+682	161+677	161+687	10	-	10	
59	Along the NH-16 by open cut	161+687	161+724	37	37	-	
60	Culvert crossing at km161+729	161+724	161+734	10	-	10	
63	Along the NH-16 by open cut	161+734	162+015	281	281	-	
64	Culvert crossing at km162+020	162+015	162+025	10	-	10	
65	Along the NH-16 by open cut	162+025	162+515	490	490	-	
66	Culvert crossing at km162+520	162+515	162+525	10	-	10	
67	Along the NH-16 by open cut	162+525	162+702	177	177	-	
68	Culvert crossing at km162+707	162+702	162+712	10	-	10	
69	Along the NH-16 by open cut	162+712	162+860	148	148	-	
71	Culvert crossing at km162+865	162+860	162+870	10	-	10	
72	Along the NH-16 by open cut	162+870	162+915	45	45	-	
73	Approach BT Road crossing at km162+925	162+915	162+935	20	-	20	

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74	Along the NH-16 by open cut	162+935	163+000	65	65	-	
75	Proposed HDD along the service Road from km 163+000 to Km 163+900	163+000	163+900	900	-	900	
76	Along the NH-16 by open cut	163+900	163+977	77	77	-	
77	Culvert crossing at km163+982	163+977	163+987	10	-	10	
78	Along the NH-16 by open cut	163+987	164+200	213	213	-	
79	Proposed HDD along the service Road from km 164+200 to Km 165+876	164+200	165+876	1676	-	1676	
80	Along the NH-16 by open cut	165+876	166+311	435	435	-	
81	Culvert crossing at km166+316	166+311	166+321	10	-	10	
82	Along the NH-16 by open cut	166+321	166+580	259	259	-	
			Total	16080	11424	4656	

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AG&P pratham
DRIVE AHEAD

Received on 16.12.24	
No. By Hand 7836	
PD	
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LAO 123	
PA/Accts	
SE 2345	

AGPCityGas/Nellore/Letter/04

16-12-2024

To
The Project Director,
PIU, Nellore (AP)
National Highway Authority of India
Sri Potti Sriramulu Nellore District,
Andhra Pradesh

Sub: Permission for laying of underground 8" dia Steel + 125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam port road junction to Near railway line at Nellore) From Km 150+600 to Km 150+650 L.H.S (length 50m) Crossing – 1 at Km 150+650 L.H.S to R.H.S (width 60m) from Km 150+650 to Km 152+075 R.H.S (length 1425m) Crossing – 2 at Km 152+075 R.H.S to L.H.S (width 50m) from Km 152+075 to Km 166+580 L.H.S (length 14505m) on chainage increasing Direction. Total length including two crossings 16090m by open cut method along the NHAI and HDD method for crossings in Nellore District in State of Andhra Pradesh – **Request for Accordance of Permission for laying of Pipeline-**Regarding.

Ref:

(1) Our office letter no. AGPCity GAS/Nellore/Letter/510/dated 09.01.2024.
(2) Your office letter no.11012/10/vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-1768 dated 24.01.2024.
(3) IE (M/s Aarvee) Letter no. Aarvee/NHAI/NH-16/23-24/3687 dated.19.02.2024
(4) Concessionaire Letter no. STPL/NHAI/NH-16/T-N/O&M/02/2023-24/097 dated. 23.02.2024.
(5) AE (M/s Yongma-Sterling) Letter no. YMSITC/NHAI/KPR/20UR24-25/737 dated. 21.06.2024.
(6) Your office letter no.11012/10/Vol.1/NHAI/PIU/Nellore/T-N-16/NOC/2024-2626 dated.29.06.2024.
(7) Our office letter no. AGPCityGAS/Nellore/NHAI/Letter/03 dated.11.07.2024.
(8) Your office letter no. 11012/10/Vol.1/NHAI/PIU/Nel/T-N-16/NOC/2024-2807 dated. 29.07.2024.
(9) IE (M/s TES) Letter no. TES/TL/NH-16/PIU/STPL/24-25/20 dated.16.08.2024
(10) Concessionaire Letter no. STPL/NHAI/NH-16/T-N/O&M/08/2024-25/029 dated.17.09.2024
(11) AE (M/s Yongma-Sterling) Letter no. YMSITC/NHAI/KPR/2024-25/797 dated.29.09.2024
(12) Your office letter no. no.11012/10/Vol.1/NHAI/PIU/ Nel/T-N-16/NOC/2024-3167 dated.29.09.2024.

Dear Sir,

As per above reference cited S.no. 9, We have revised the application of Proposed Gas pipeline laying of underground 8" dia Steel + 125mm dia MDPE pipeline along NH-16 (from Near Krishnapatnam port road junction to Near railway line at Nellore) from Km150.600 to Km166.580 on LHS (for a length of 15.980km) and across NH-16 at Chainage KM150/650 (for a width of ROW 60m) and underground 8" dia Steel + 125mm dia MDPE pipeline near from Krishna Patnam Port Road Junction to End of flyover at Guruvindapudi from Km150.650 to Km152.050 along NH-16 on RHS (for a length of 1.400Km) and crossing at Km0.000m of Krishnapatnam port road (for a width of 60m) open cut method along the NHAI and HDD method for crossings of Tada to Nellore section in Nellore District.

The following observations are attended and Tabulated below.

I.E M/s Arvee associate and TES Observations

Sl.No.	I.E M/s Arvee associate observations vide ref (5) dated 19.02.2024	TES Comments on compliance submitted by the applicant vide ref (2) dated 11.07.2024	Compliance attended by AGP
1	The applicant has not enclosed the online payment receipt for processing fee.	Not enclosed	

AGP CITY GAS PRIVATE LIMITED

Sl.No.	I.E M/s Arvee associate observations vide ref (5) dated 19.02.2024	TES Comments on compliance submitted by the applicant vide ref (2) dated 11.07.2024	Compliance attended by AGP
2	The applicant has submitted the draft License Agreement, Undertaking and Indemnity bond not on stamp papers.	1) The applicant has sumitted the draft license agreement on stamp paper. However, the following are our observations:	Submitted draft license agreement on stamp paper.
		a) The clause mentioned in the Sl.No.8 of the check list, is missing.	Inserted in Sl.No. 8 of the check list.
		b) The power of attorney details are missing	Attached power of attorney details.
		c) In the draft license agreement the signature of 2 witness, are missing (as mentioned in the Sl.No. 3 of check list)	2 witnesses were signed
		2) The applicant has submitted the Undertaking on stamp paper, however, the details of the claused 5.10& 5.12 mentioned in the checklist, are missing in the Undertaking.	Inserted
		3) The applicant has submitted indemnity bond on stamp paper	Submitted indemnity bond on stamp paper.
3	The right of way from km.161+120 to km.165.180 is 25mts and from km.163+330 to 165+180 is 25mts from the median center on LHS. In the check list it has shown as 22.5mts. Thesehas to be corrected.	Not corrected in check list. The strip plans are also to be corrected according to the availability of ROW.	Corrected as 25.0m
4	In the check list the applicant has not shown the existing service toad details. These has to be corrected.	Existing service road details are to be mentioned in the check list at Sl.No.1.14	Corrected.
5	In the check list the applicant has not shown the details of already laid services if any, along the proposed route	Details of already laid services are to be mentioned in check list at SL.No.1.11	Corrected
6	It is observed on site from km.165+183 to km.166+080 falls under Nellore bypass section, construction of six laying with slip road work is in progress. Advised to the agency laying of Gas pipeline shall be do after the completion of work within the utility corridor portion	To be followed	We will lay the Gas pipeline after completion of NHAI 6 Lane work in this portion.
7	It is noticed on site Construction of Flyover with Service road work is in progress where the crossing	Crossing of NH-16 is proposed at km151+400. But in drawing crossing location is shown at	Corrected and Crossing location was changed. New crossing location at Km. 150.650.

Sl.No.	I.E M/s Arvee associate observations vide ref (5) dated 19.02.2024	TES Comments on compliance submitted by the applicant vide ref (2) dated 11.07.2024	Compliance attended by AGP
	has shown at km.151+490 As per circular the minimum distance id being 15 meters from the nearest structure. This has to be corrected.	km.151+370 i.e, at flyover location. From km.150+700 to km.152+000 construction works of flyover with RE walls & service roads are in progress. Hence the location of crossing has to be changed so that it shall be minimum 15meters away from structures, RE walls, Retaining walls, bridges, culverts etc. as per the conditions of Cl.1.19 (C) of Check list.	
8	The applicant shall submit the methodology for laying of Gas pipe for 8" dia +MDPE pipe line 125mm dia duly laying the existing cables with in the Utility corridor.	The methodologies for laying of pipelines are to be submitted for the following locations; a) For laying through open trench method. b) For laying through HDD method. c) For laying at cross Drainage (CD) works i.e, at culverts. d) For laying at bridge locations. e) For laying at Built-up areas. f) For laying at cross road locations.	a) Enclosed b) Enclosed c) Laying will be done by HDD Method after apron. d) Laying will be done by HDD Method. e) Laying will be done by HDD Method. f) Laying will be done by HDD Method.
9	The applicant has not enclosed the Typical cross section for laying of steel pipe line and MDPE pipe line in the same trench.	a) Cross section for HDD works with location of pies, section of pits, location of the pipe etc., are to be submitted. b) The submitted cross sections of open trench method are not in conformity with the guidelines of MoRTH circular.	Submitted.
10	It is observed on site the below locations Open trench method is not possible, and the applicant shall follow the HDD method 1) From Km.156+400 to Km.157+600 service road of Venkatachalam village.	The applicant has not revised the proposal where open trench method is not possible at the said locations.	1) Laying will be done by HDD Method 2) Laying will be done by HDD Method

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Sl.No.	I.E M/s Arvee associate observations vide ref (5) dated 19.02.2024	TES Comments on compliance submitted by the applicant vide ref (2) dated 11.07.2024	Compliance attended by AGP
	2) From Km.163+000 to Km.163+900 service road of Private property. 3) From Km.164+400 to Km.165+183 Service road of Bujabuja Nellore. 4) From Km.151+390 to Km.166+080 - 15 nos of approach roads. 5) From Km.151+390 to Km.166+080 - 05 nos of minor bridges locations. 6) From Km. 152+250 to Km.152+500 – 01 no. of ROB with Railway track. 7) From Km.155+200 to Km.155+600 - Toll plaza Area. 8) From Km.165+183 to KM. 166+080 – Six laning with service road work is in progress		3) Laying will be done by HDD Method. 4) Laying will be done by HDD Method. 5) Laying will be done by HDD Method. 6) Laying will be done by HDD Method. 7) Laying will be done by HDD Method. 8) Will lay the gas pipeline after completion of the road work.
11		Detailed calculations for License fee with supporting land rate documents for each village (Chainage wise)	Submitted.
12		Detailed bank guarantee calculations.	Submitted.

SWARNA TOLLWAY PVT. LTD. Observations

S.No.	STPL Earlier Observations	Status	Observations attended by AGP
1	The proposal is submitted by M/s AG&P City Gas Pvt. Ltd. to obtained permission for laying pipe along Km. 151.390 to 166.080 LHS & pipeline crossing at 151.390 RHS to LHS by the means of Open trenching and HDD method	Information	Crossing chainage was changed because there is a fly over under construction. New chainage of crossing at Km 150.650. for laying of Gas pipeline along the NHAI from 150.600 to 166.580 L.H.S by open cut method. Approach roads and along service roads by HDD method
2	The proposal is submitted by M/s AG&P City Gas Pvt. Ltd. to obtained permission for laying pipe along Km. 151.390 to 166.080 LHS & pipeline crossing at 151.390 RHS to LHS by the means of Open trenching and HDD method	The applicant needs to revised the proposal and needs to provide chainage wise method of laying considering of bridges & Service Road.	Crossing chainage was changed because there is a fly over under construction. New chainage of crossing at Km 150.650. for laying of Gas pipeline along the NHAI from 150.600 to 166.580 L.H.S by open cut method. Approach

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<table>
<tr><th>S.No.</th><th>STPL Earlier Observations</th><th>Status</th><th>Observations attended by AGP</th></tr>
<tr><td></td><td></td><td></td><td>roads and along service roads by HDD method</td></tr>
<tr><td>3</td><td>It is observed that ROW from Km 161.120 to 161.840 & from Km163.330 to 165.810 is 25mtsd this has to be corrected.</td><td>Not corrected</td><td>Corrected</td></tr>
<tr><td>4</td><td>The applicant shall submit the methodology for laying of Gas pipe for 8" dia and 125mm dia MDPE pipeline.</td><td>Submitted.</td><td>Submitted</td></tr>
<tr><td>5</td><td>Applicant has not submitted the TCS for laying the steel and MDPE pipeline in the same trench.</td><td>Submitted, but not submitted.</td><td>Submitted</td></tr>
<tr><td>6</td><td>Applicant must ensure that no Avenue tress or saplings are damaged of get enrooted while laying pipeline by the means of open trenching of HDD method.</td><td>Information</td><td>Ensuring that no trees / Saplings</td></tr>
<tr><td>7</td><td>Applicant must note that while executing open trenching precautions and safety or HDD method in village areas needs to be conducted properly with all safety related sign boards indicating the pipeline passage</td><td>Not considered.</td><td>We will do precautions as per petroleum guide lines.</td></tr>
<tr><td>8</td><td>As per the joint inspection done with independent consultant few locations are not possible for the open trench method, hence applicant must follow the HDD method at below locations
<table>
<tr><th>S.No.</th><th>Description</th><th>Observation for Open Trench Method</th></tr>
<tr><td>1</td><td>Km156.400 to 157.600</td><td>Venkatachalam Service Road</td></tr>
<tr><td>2</td><td>Km.163.000 to 163.900</td><td>Private property access</td></tr>
<tr><td>3</td><td>Km 164.400 to 165.183</td><td>Bujabuja Nellore Service Road</td></tr>
<tr><td>4</td><td>Km 151.390 to 165.183</td><td>15 Approach roads and 05No's MNB's</td></tr>
<tr><td>5</td><td>Km 152.250 to 152.500</td><td>ROB</td></tr>
<tr><td>6</td><td>Km 155.200 to 155.600</td><td>Toll plaza</td></tr>
</table></td><td>The applicant did not revise the proposal, needs to revise.</td><td>S.No. 1 to 3 We will lay the gas pipeline by HDD method

S.No. 4 to 6 We will lay the gas pipeline by HDD method</td></tr>
</table>

M/s Yongma-Sterling Observations

S.No.	Yongma-Sterling Observations	Attended by AG&P
1	The applicant has submitted its proposals for laying of Gas pipeline from Km.151+390 to Km 166+080 on LHS in the utility corridor portion in line with the MoRTH Circular guide lines RW/NH-33044/29/2015/S&R(R) dated 22.11.2.16 using Open trenching method and NH crossing at Km151.490 using HDD Method.	1. Now corrected chainage for laying of Gas pipeline from 150.600 to 166.580 L.H.S by open cut method. And crossing-1 at Km 150.650 and crossing -2 at Km 152.075 by HDD method. 2. laying of Gas pipeline from Km150.650 to 152.075 R.H.S by open cut method.

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2	The right of way from Km.151+390 to Km.152+070 is 26.50m from the median centre on LHS & RHS. In the check list it has shown as 30m	Corrected
3	They are proposed crossing the pipeline in between the structure of Fly-over at Km 151+400 which is not allowed as per the said NHAI Circular. The crossing shall be away from the structure as per the circular.	Previous location was changed. Now the proposed crossing-1 Chainage at Km.150.650 and crossing-2 at km 152.075

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

Thank you,
For, **AGP City Gas Pvt. Ltd.**

AGP CITY GAS PRIVATE LIMITED

Gautam Anand
Regional Head

Enclosure: Checklist with Supporting Document