



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport and Highways)

कर्नाटक क्षेत्र, क्षेत्रीय कार्यालय, बेंगलुरु

Karnataka Region, REGIONAL OFFICE, BENGALURU

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

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भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

No. NHAI/RO-BNG/15021/8/2020/ 862

Date: 18.06.2020

### Invitation of public comments

**Sub:** Proposal for laying underground 12" STEEL Gas pipeline along NH-66 on LHS side parallel from NITK Surathkal Ch. 358.285 to Hejamadi Toll Gate Ch. 347.200 National Highway-66 total length of 11.85Kms-Reg;

- Ref:**
1. PD, PIU-Mangalore letter No. 11031/16/2007/PIU (Mnglr)/1116 dated 21.03.2020.
  2. M/s. Adani Gas Ltd., letter no. AGL/MS/NH-66/2020-21/01 dated 12.02.2020.
  3. IE M/s. Aarvee Associates Pvt. Ltd., letter no. AA/KS/TL/NHAI/2020/4755 dated 24.02.2020.
  4. MORT&H circular no. RW/NH-33044/29/2015/S&R dated 22.11.2016

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The Project Director, PIU, Mangalore vide letter cited (1) above, has submitted the proposal of M/s. Adani Gas Ltd., for approval of the Competent Authority.

2. From the submitted proposal, it is observed that, the laying of underground 12" STEEL Gas pipeline is along NH-66 on LHS side parallel from NITK Surathkal Ch. 358.285 to Hejamadi Toll Gate Ch. 347.200 National Highway-66 total length of 11.85Kms.

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

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

Regional Officer  
National Highways Authority of India  
Regional Office  
Bengaluru-Tumakuru Road (NH-4),  
M.S. Ramaiah Enclave,  
Beside Nagasandra Metro Station,  
Bengaluru - 560073.  
Email Id: ronhaibangalore@gmail.com  
robangalore@nhai.org

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5. This is issued with the approval of Competent Authority.

Yours sincerely,

  
(D. Ravi Sudhakar)

Deputy General Manager (T)

**Copy to:-**

1. The Web admin, NHAI, HQ, New Delhi - for Uploading in NHAI's website.
2. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading in Ministry's website.
3. Project Director, NHAI, PIU-Mangalore- for Information.
4. M/s. Adani Gas Ltd., Adani Corporate House, Shantigram S.G.Highway, Ahmedabad, Gujarat - 382 421 - for information



**CHECK - LIST NH-66**

Guidelines for Project Directors for processing the proposal for laying of Gas Pipe Line in the land along National Highways vested with NHAI.

Relevant Circulars of Ministry of Road Transport and Highways

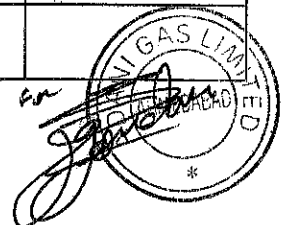
- 1) Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 2) Circular No. RW/NH-IIIP/66/76 dated/11.05.1982
- 3) Circular No. RW/NH-11037/1/86/DOI(ii) dated 28.07.1993
- 4) Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 5) Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 6) Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003

**Check list for getting approval for laying of Gas Pipe Line on NH 66(To be filled by the PIU)**

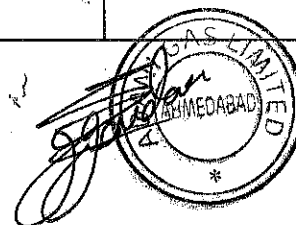
The permission for laying of Gas Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.

- (a) Carrying of sewage/gas pipelines on Highway Bridges shall not be permitted as Fumes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.
- (b) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge.

Sl. No.	Item	Information/ Status	Remarks
1	General information	Laying of 12" Natural Gas pipeline	
1.1	Name and Address of the Applicant / Agency	M/sAdaniGasLimited, "AdaniHouse", Nr.Mithakhali six roads,Navrangpur, Ahmedabad Gujarat 380009	
1.2	National Highway Number	NH66	
1.3	State	Karnataka	
1.4	Location	From SuratkaltoHejamadi Toll Gate	NH66
1.5	(Chainage in km)	358.285Km to 347.200 Km	NHAI
1.6	Length in Metres	11085Mts	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing Chainage / km direction.	22.50 Mtrs /30Mtrs	
	(b) Right side from center line towards increasing Chainage / km	22.50Mtrs /30 Mtrs	

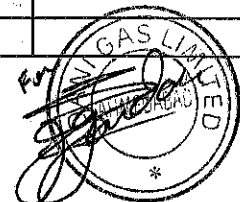


	direction.		
1.8	Proposal to lay underground gas pipeline		
	(a) Left side from center line towards increasing Chainage / km direction.	Yes 29 Mtrs from the Center line of Highway	
	(b) Right side from center line towards increasing Chainage / km direction.	-	
1.9	Proposal to acquire land	NOT APPLICABLE	
	(a) Left side from center line		
	(b) Right side from center line		
1.10	Whether proposal is in the same side where land is not to be acquired	NOT APPLICABLE	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	NOT APPLICABLE	
1.12	Number of existing lanes (2/4 6/8 lanes).	4 LANES	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 LANES	
1.14	Service road existing or not	YES	
	If yes then which side		
	(a) Left side from center line	YES	
	(b) Right side from center line	YES	
1.15	Proposed Service road	NOT APPLICABLE	
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to lay Gas Pipe line is after the service road or between the service road and main carriageway.	YES, After service road 29 Meters from the center of the Highway	
1.17	Whether carrying of sewage / gas pipeline has been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same.	NO	
1.18	Whether carrying of sewage / gas pipeline has been proposed on the parapet/any part of the bridges. If Yes, then mention the methodology proposed for the same.	NO	
1.18	<b>If crossings of the road involved</b> If Yes, it shall be either encased in pipes or through structure or conduits specially built for that	No	

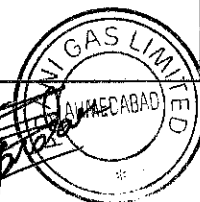


	purpose at the expenses of the agency owning the line		
	(a) Whether existing drainage structures are allowed to carry sewage / gas pipeline	NA	
	(b) Is it on a line normal to NH	Yes / No	NA
	(c) What is the distance of crossing the sewage / gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	NOT APPLICABLE	
	(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.	NOT APPLICABLE	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	NA	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	NA	
	(g) The top of the casing/conduit pipe should be at least. 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	NA	
	(h) Mention the methodology proposed for crossing of road for the proposed Sewage/gas pipe line. Crossing shall be by boring method (HDD) [Trenchless Technology], specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	NOT APPLICABLE	
	(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 / No	
2	<b>Document / Drawings to be</b>		

*hdy*

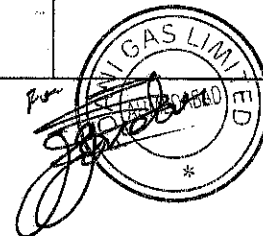


	enclosed with the proposal		
2.1	<p>Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x 0.6m wide)</p> <p>(i) Should not be greater than 60 Cm wider than the outer diameter of the pipe.</p> <p>(ii) Located as close to the extreme edge of the right of way as possible but not less than 15 meter from the centre-lines of the nearest carriage way.</p> <p>(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.</p> <p>(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.</p>	Enclosed/ Not enclosed	ENCLOSED
2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed/ Not enclosed	ENCLOSED
2.3	Strip plan / Route Plan showing Gas pipe line, Chainage, width of ROW, distance of proposed Gas pipe line from the edged of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed/ Not enclosed	ENCLOSED
2.4	Methodology for laying of Gas pipe line.	Enclosed/ Not enclosed	ENCLOSED
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the Methodology of refilling of trench	Yes	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Enclosed/ Not enclosed	
	(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	Yes / No	Yes



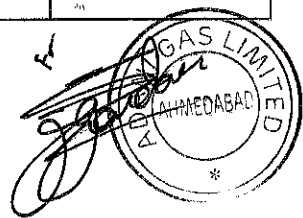


	yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.		
	(C) The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes / No	Yes
	(d) The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	Yes / No	Yes
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes / No	Yes
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Yes / No	Yes
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes / No	Yes
2.4.2	Horizontal Directional Drilling (HDD) Method	YES	
2.4.3	Methodology for laying of Gas pipe Line through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	HDD	ENCLOSED
3	Draft License Agreement signed by two witnesses	Enclosed/ Not enclosed	TO BE SIGNED
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 50/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH for a period of one year, initially (extendable if required till satisfactory completion of work) as a security	Will be provided	



	for ensuring/making good the excavated trench for laying the Gas pipe line/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth. Performance BG as per above is to be obtained.		
4.1	Confirmation of BG has been obtained for knot as per NHAI guidelines.	BG:	
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished</b>		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Enclosed	
5.2	For Renewal of Bank Guarantee.	Will be renewed, if necessary	
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline.	Enclosed	
5.4	For Shifting of Gas pipe line as and when required by NHAI at their own cost.	Enclosed	
5.5	For shifting of Gas pipe line due to 6 lanning / widening of NH	Enclosed	
5.6	For Indemnity against all damages and claims	Enclosed	
5.7	For Traffic movement during laying of Gas pipe line to be managed by the applicant.	Enclosed	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Gas pipe line/any other utility located in the National highway right-of-ways.	Enclosed	

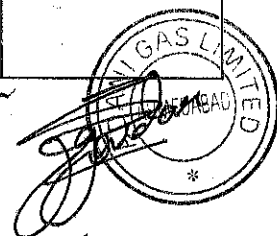
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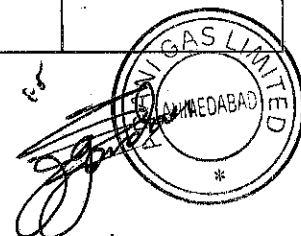
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance of shifting of the Gas pipe line will be borne by the applicant agency owing the line.	Enclosed	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format  (i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.  (ii) "We do 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".	Enclosed  Enclosed	
6	Who will sign the agreement on behalf of Gas pipe line agency.	Regional Head	
	Power of Attorney to sign the agreement is available or not.	Copy not enclosed	Will be submitted before signing of agreement
7	<b>The Project Director, will submit the following Certificates</b>		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. NH-III/P/66/76 dated 18/19.11.1976, RW/NH-III/P/66/76 dated 11.05.1982, RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, RW/NH-11037/1/86/DOI dated 19.01.1995,	Enclosed	

*[Handwritten signature]*

*[Handwritten initials]*



	RW/NH-34066/2/95/ S & R dated 25.10.1999 and Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003		
7.2	<p>Certificate from PD in the following format</p> <p>(i)“It is certified that any other location of the Gas Pipe line would be extremely difficult and unreasonable costly and the installation of Gas pipe line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc”.</p> <p>(ii)for 6-lanning</p> <p>(a)Where feasibility is available “I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location”.</p> <p>(b)in case feasibility report is not available “I do certify that sufficient ROW is available at site for accommodating proposed six-laning”.</p>	<p>Enclosed</p> <p>Enclosed</p> <p>Enclosed</p>	
8	<p>If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement. “The permitted Highway on which Licensee has been granted the right to lay Gas Pipeline/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [----- section from Km ----- to Km ----- of NH No. ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same.”</p>	<p>Inserted or not</p>	<p>To be inserted before signing of Agreement</p>



	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	Site Engineer of ADANI GAS Limited	
	(b) On behalf of NHAI	PD & IE	
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	Construction Manager of ADANI GAS Limited	
	(b) On behalf of NHAI	PD & IE	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.		
	(a) On behalf of the Applicant	M/s ADANI GAS LIMITED	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed	
13	If any previous approval is accorded for laying of underground Gas Pipe line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	Enclosed	

  
 Project Director.

