

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार) National Highways Authority of India



(Ministry of Road Transport & Highways, Govt. of India) परियोजना निदेशक का कार्यालय, परियोजना कार्यान्वयन इकाई Office of the Project Director, Project Implementation Unit

53, बसंत विहार, नौबस्ता, कानपुर - 208021 • 53, Basant Vihar, Naubasta, Kanpur - 208021 दूरभाष / Phone : (0512)2630154/2630214 • ई–मेल / e-mail : knp@nhai.org

NHAI/13028/PIU/KNP/NH-31/NOC/2023/223

Date: 📈 April, 2023

Invitation of Public Comments

· Sub: Permission for crossing of 6" dia Carbon Steel Natural Gas Pipeline through HDD in front of GAIL RR-51 Station on NH-232A (New NH-31) at Achalganj Section in District Unnao in the State of U.P.- reg.

The Sr. Manager (P/L O&M) CGS, Kanpur M/s GAIL (India) Limited has submitted the proposal for crossing of 6" dia Carbon Steel Natural Gas Pipeline through HDD in front of GAIL RR-51 Station on NH-232A (New NH-31) at Km. 9.710 at Achalganj Section in District Unnao in the State of U.P.

2. From the submitted proposal, it is seen that the crossing length is proposed 60m at Ch. 9.710. Diameter of the Pipeline/ Cable is 6". Execution work will be carried out through HDD with a depth of 1.2m from the existing ground level. Width of available ROW in LHS & RHS is 30m-30m from center of NH. The existing NH is 4-lane divide carriageway.

3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/ 2015/ S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

4. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

> The Dy. General Manager (T)/ Project Director, National Highways Authority of India, Project Implementation Unit, 53, Basant Vihar, Kanpur -208021

This issues with the direction of RO-West (UP).

Encl: As above.

Jman Rah

(Aman Rohilla) **Project Director**

Copy to:

- 1. Regional Officer (West)-UP, NHAI, 3/248, Vishal Khand, Gomati Nagar, Lucknow.
- 2. The Web Admin, NHAI-HQ- with request for uploading on the NHAI website.
- 3. The Technical Director, NIC, Transport Bhawan, New Delhi- with a request for uploading on the Ministry's website.
- 4. Sr. Manager (P/L O&M) M/s GAIL (India) Ltd., HVJ Compressor Station, Dibiyapur, Post - Dibiyapur, Distt - Auraiya for information.

प्रधान कार्यालय : जी—5 और जी—6, सेक्टर — 10, द्वारका, नई दिल्ली — 110075 • दूरमाष : 91-11-25074100/25074200 • वेबसाइट : www.nhai.gov.in Head Office : G-5 & G-6, Sector - 10, Dwarka, New Delhi - 110 075 • Phone : 91-11-25074100 / 25074200 • Website : www.nhai.gov.in



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

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

Relevant circulars

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

Sr. No.	ltem	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	GAIL (India) Limited , City Gate Station, 122/ 240 A, Fazalganj, Kalpi Road, Dist – Kanpur, UP – 208012	
1.2	National Highway Number	NH-31	
1.3	State	Uttar Pradesh	
1.4	Location	Unnao District.	
1.5	(Chainage in km)	6" Steel Pipeline: At Km 9/100	
1.6	Length in Meters	60m	
1.7	Width of available ROW	60m	
	(a) Left side from center line towards increasing Chainage / km direction	30m	
	(b) Right side from center line towards increasing	30m	Int

हावि यादव/RishilYadav थण्ड प्रवन्धक (पाईप लाईन)/Sr. Manager (Pipe Line) गेल इण्डिया लिमिटेड/Gail India Ltd. एव वो जे, कानपुर (उ०प्र०) / H.V.J., Kanpur (U.P.)



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	Chainage / km direction	
	Proposal to lay	
	underground Gas pipe line.	Yes
	(a) Left side from center line towards increasing chainage / km direction	NA
	(b) Right side from center line towards increasing chainage/ km direction	NA
1.9	Proposal to acquire land	Νο
	(a) Left side from center line	Νο
	(b) Right side from center line	No
1.10	Whether proposal is in the same side where land is not to be acquired	NA
	If not then where to lay the Pipe	Across NH.
1.11	Details of already laid services, if any, along the proposed route	No
1.12	Number of lanes (2/4 / 6/8 lanes) existing	2 Lanes
1.13	Proposed Number of lanes (2 lane with paved shoulders 4/6/8 lanes)	NA
1.14	Service road existing or not	No
	If yes then which side	
	(a) Left side from center line	NA
	(b) Right side from center line	NA
1.15	Proposed Service road	
	(a) Left side from center line	NA
	(b) Right side from center line	NA

ऋषि यादव/Rishi Yadav) वरिष्ठ प्रवचक (पाईप लाईन)/Sr. Manager (Pipe Line) गेल इण्डिया लिमिटेड/Gail India Ltd. एंच.वी.जे., कानपुर (उ०प्र0)/H.V.J., Kanpur (U.P.)



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1.16	Whether proposal to lay Gas Pipeline is after the service road or between the service road and main carriageway	Pipeline will be laid across NH.	
1.17	Whether carrying of Gas pipeline has been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same.	NA	
1.18	If Yes, then mention the methodology proposed for the same.	NA	
1.15	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	Crossing of 6" proposed steel pipeline will be across the NH by HDD method.	
	(a) Whether the existing drainage structures are allowed to carry the pipeline.	No	
	(b) Is it on a line normal to NH	Yes	
	 (c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures. 	Yes	

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(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	HDD method is used. Methodology for the same is attached herewith	
(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 toe of slope in the fills.	Yes	
(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	Yes	
inverts. (h) Mention the methodology proposed for crossing of road for the proposed Sewage/ gas pipe line, Crossing shall be by boring method (HDD) [Trench-less Technology], specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.		

न्नद्दषि यादव/Rishi Yadav वरिष्ठ प्रवन्धक (पाईप लाईन)/Sr. Manager (Pipe Line) गेल इण्डिया लिगिटेड/Gail India Ltd. एच.वी.जे., कानपुर (उ0प्र0)/H.V.J., Kanpur (U.P.)



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	(i) The casing / conduit		
	pipe shall be installed		
	with an even bearing		
	throughout its length and	Yes	
-	in such a manner as to	100	
	prevent the formation of a		
	waterway along it.		
	Document / Drawings		
2	enclosed with the	Yes	
-	proposal	105	
-	Cross section showing		
	the size of trench for open		
	trenching method (Is it		
	normal size of 1.2m deep		
	X 0.3m wide)		
	(i) Should not be greater		
	than 60 cm wider than the		
	outer diameter of the pipe		
	(ii) located as close to the		
	extreme edge of the right-		
	of-way as possible but not		
	less than 15 meter from		
	the center-lines of the		
2.1	nearest carriageway		
Ζ.			
	(iii) Shall not be permitted	Enclosed, Crossing will be done by HDD	
	to run along the National	Methodology	
	Highways when the road	Methodology	
	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.		
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ऋषि यादव/Rishi Yaday बरिष्ठ प्रवच्चक (पाईप लाईन)/Sr. Manager (Pipe Line) गेल इण्डिया लिमिटेड/Gail India Ltd. एच.वी.जे., कानपुर (उ०प्र0)/H.V.J., Kanpur (U.P.)



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2.2	1	Cross section showing the size of pit and location	Enclosed	
2.2		of gas pipeline for HDD / Boring method	Enclosed	
2.3		Strip plan / Route Plan showing Gas pipeline, Chainage, width of ROW, distance of proposed, pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.	4	Methodology for laying of showing Gas pipe line.	HDD methodology will be used for crossing. Methodology is 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, Methodology of refilling of trench	NA	Pipeline will be laid across NH & crossing will be done by HDD method.
		(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
		 (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. 	NA	

त्रद्यि यादव/Rishi Yadav चरिष्ठ प्रवचक (पाईपच्चईन)/Sr. Manager (Pipe Line) गल इण्डिया लिमिटेड/Gail India Ltd. एच.वी.जे., कानपुर (उ0प्र0)/H.V.J., Kanpur (U.P.)

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cor (i) the	The backfill shall be mpleted in two stages side – fill to the level of e top of the pipe and (ii) erfill to the bottom of	NA	HDD Trenchless method is used for
	e road crust.		crossing
) The side fill shall		
co ma lay by ar m P	onsist of granular aterial laid in 15 cm yers each consolidated y mechanical tampering nd controlled addition of loisture to 95% of the roctor's Density. Overfill hall be compacted to the	NA	HDD Trenchless method is used for crossing
sa m re b	ame density as the naterial that had been emoved. Consolidation y saturation or ponding vill not be permitted. e) The road crust shall		
b s c t t	be built to the same strength as the existing crust on either side of the grench. Care shall be taken to avoid the formation of a dip at the trench.	NA	HDD Trenchless method is used for crossing
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for laying of Gas Pipe Line through CD works and method of laying. In cases where the		

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	carrying of gas pipe line on the bridge becomes inescapable.		
3	Draft License Agreement signed by two witnesses	Enclosed	
4	Performance Bank Guarantee in favour of NHAI/NH PWD has to be obtained @ Rs100/- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NH to the licensee for clearing debris/loose earth.	Bank Guarantee will be submitted as and when intimated by NHAI PIU (Undertaking Enclosed)	
4.1	above is to be obtained.	Will be submitted on receipt of Demand Note	
4.:	been obtained as per NHAI/NH PWD guidelines	BG shall be submitted as per MoRTH Guidelines.	
5	Affidavit / Undertaking		
5	Not to Damage to other utility, if damaged then to pay the losses either to NHAI/NH PWD or to the concerned agency	Yes; enclosed with proposal	Rodow

ाचे यादव / Rishi Yadav वारण्ड प्रवच्चक (पाईप लाईन) / Sr. Manager (Pipe Line) गेल इण्डिया लिमिटेड / Gail India Ltd. एच.वी.जे., कानपुर (उ0प्र0) / H.V.J., Kanpur (U.P.)



:	5.2		ewal of Bank arantee	Yes; enclosed with proposal	
	5.3	con Cir	nfirming all standard Idition of Ministry culars and NHAI's deline.	Yes; enclosed with proposal	
T	5.4	as	ifting of Gas pipe line and when required by I at their own cost	Yes; enclosed with proposal	
	5.5		nifting due to 6 lanning / idening of NH	Yes; enclosed with proposal	
	5.6	; d	ndemnity against all amages and claims lause (xxiv)	Yes; enclosed with proposal	
	5	.7	Traffic movement during laying of Gas pipe line to be managed by the applicant	Yes; enclosed with proposal	
		5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes; enclosed with proposal	
<u>An</u>		5.9	Prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas Pipelir located in the National highway right-of-ways.	Yes; enclosed with proposal	

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Expenditure, if any, incurred by NH for repairing any damage caused to the National 5.10 Highway by the laying, maintenance or shifting of the Gas Pipe line will be borne by the agency owning the line.	Yes; enclosed with proposal
 If the NH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given. 	Yes; enclosed with proposal
 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. 5.12 (ii) for 6 –lanning "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NH" for future six- lanning or any other development." 	
	া আহম / Rishi(Yadav েড তল্প্যক (पाईप लोईन)/Sr. Manager (Pipe Li यल हाण्डया लिमिटेड/Gail India Ltd. एव.वी.जे., कानपुर (उठप्र0)/H.V.J., Kanpur (U.P.)



6.	Who will sign the agreement on behalf of Gas pipeline agency	Rishi Yadav, Senior manager (P/L D&M), GAIL (India) Limited	
	The Project Director		
7	will submit the		
	following.		
\vdash	Certificate for confirming		
	of all standard condition		
	issued vide Ministry		
	Circular No. Ministry		
	Circular No. NH-41		
	(58)/68 dated 31.1.1969,		
	Ministry Circular No. NH-		
	III/P/66/76 dated	Yes	
	18/19.11.1976, Ministry		
	Circular No. RW/NH-		
	III/P/66/76 dated		
	11.5.1982, Ministry		
	Circular No. RW/NH-		
	11037/1/86-DOI (ii) dated		
	7.1 28.7.1993, Ministry		
	Circular No. RW/NH-		
	11037/1/86/DOI dated		
	19.1.1995, Ministry		
	Circular No. RW/NH-		
	34066/2/95/ S&R dated		
	25.10.1999 and Ministry		
	Circular No. RW/NH- 34066/7/2003 S&R (B)		
	dated 17.9.2003 and		
	Ministry Circular No.		
	RW/NH-33044/29/2015-		
	S&R (R) dated		
	22 11 2016.		-
	Certificate from PD in the		
	following format	Yes	
	(i) "It is certified that any		
	pipeline would be extremely difficult and		Dadaw

वरिष्ठ प्रवत्सक (पाईप लाईन) Xsr. Manager (Pipe Line) गेल इण्डिया लिमिटेड / Gail India Ltd. एच.वी.जे., कानपुर (उ०प्र०) / H.V.J., Kanpur (U.P.) .



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		e within ROW will		1
		versely affect the		
	-	, stability & traffic		
	safety	of the highway nor		
	the lik	ely future		
	impro	vement such as		
	widen	ing of the		
	carria	geway, easing of		
	curve	- · · · ·		
	(ii) fo	r 6 –lanning		
		/here feasibility is		
		able "I do certify that		
		e will be no hindrance		
		oposed six-lanning		
	1 .	ed on the feasibility		
		ort considering		
		posed structures at		
		said location".		
		In case feasibility		
		ort is not available "I		
		certify that sufficient		
		W is available at site		
		accommodating		
		posed six-lanning".		
\mathbf{F}		NH section proposed to		
		taken up by NHAI on		
		OT basis - a clause is to		
	be	e inserted in the		
	a	greement. "The		
	p	ermitted Highway on		
		hich Licensee has been		
	g	ranted the right to lay		
	8 <i>tl</i>	ne pipelines has also	Yes	
		een granted as a right of		
		vay to the concessionaire Inder the concession		
		agreement for up-		
		gradation of		
		Section, from		
	n for all th	on		
		Build, Operate and		
	100 M	Transfer Basis] and		John

गेल इण्डिया लिमिटेड/Gail India Ltd. एच.वी.जे., कानपुर (उठप्र0)/H.V.J., Kanpur (U.P.)



	her	efore, the licensee Il honour the same."		
9	(Vho will supervise the vork of laying of Gas pipeline (a) On behalf of the Applicant (b) On behalf of NHAI/NH	Site Engineer – GAIL INDIA LIMITED	
10		PWD Who will ensure that the defects in road portion after laying of Gas pipeline are corrected and if not corrected then what action will be taken.		
		(a) On behalf of the Applicant	Site Engineer – GAIL INDIA LIMITED Any person deputed by Project Director	
	11	 (b) On behalf of NHAI/NH PWD Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire? 	Any person deputed by Hoyest	Joseph .

ऋषि यादव/Rishi Yada बरिष्ठ प्रवन्धक (पाईप लाईन)/Sr. Manager (Pipe Line) गेल इण्डिया लिमिटेड/Gail India Ltd. एच.वी.जे., कानपुर (उ०प्र०)/H.V.J., Kanpur (U.P.)

12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed).	Yes	
13	If any previous approval is accorded for laying of underground Gas Pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	NA	

For GAIL (India) Ltd.,

2 Rişhi Yadav त्रहपि यादव / Rishi Yaday Sr. (Manager (Pipe Line) गेल इण्डिया लिल्डि (प्राध्नमो) भी एव.वी.जे., कानपुर (उ०प्र०) / H.V.J., Kanpur (U.P.)



,,, Nanpur (U.P.)



CONTRACTOR

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