



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



क्षेत्रीय कार्यालय, ओडिशा /Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha
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NHAI/13011/54/RO/OD/ 818 /2022

15.03.2022

To

The Sr. Technical Director,
NIC Centre at MoRTH,
Transport Bhawan,
New Delhi 110001

Sub: 6- laning of Chandikhole- Jagatpur- Bhubaneswar section of NH-16 from Km.413+000 to Km.418+000 and Km.0+000 to Km.62+000 (Length 67 Kms) in the State of Odisha to be executed as BOT (Toll) project on DBFOT pattern under NHDP Phase-V- **Permission for laying 8" diameter carrier steel gas pipeline for supply of gas to various consumers / customers in route of proposed steel gas pipeline for Cuttack City Gas Distribution project along with 40mm dia HDPE duct for OFC along the service road from Km.21.310 to Km.21.430 (RHS) and across at Km.21.034 on NH-16- Reg**

Ref: PD, PIU- Bhubaneswar letter No. 95 dated 27.01.2022

Sir,


Please find enclosed herewith a proposal of M/s GAIL India Ltd for laying of 8" diameter carrier steel gas pipeline along with 40 mm OFC duct the NH-16 from chainage 21+310 Km to 21+430 km (From Pratisha Chickens to 1st IDA road of Khannagar Industrial area) & across the NH at chainage 21+034 (Near Press Chhak). The details is as under:

Sl No.	Description	Chainage		Side	Length (m)	Remark
		From	To			
1.	For laying of 8" diameter carrier steel gas pipeline along with 40 mm OFC duct the NH-16	21+310	21+430	RHS	120	From Pratisha Chickens to 1 st IDA road of Khannagar Industrial area.
2.		Crossing at Chainage 21+034		NA	251.76	Near Press Chhak

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar.

Yours faithfully,


(Sanjay Channa)
Dy. General Manager (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

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NHAI/13011/54/RO/OD/ 817/2022

15.03.2022

INVITATION OF PUBLIC COMMENTS

Sub: 6-laning of Chandikhole- Jagatpur- Bhubaneswar section of NH-16 from Km.413+000 to Km.418+000 and Km.0+000 to Km.62+000 (Length 67 Kms) in the State of Odisha to be executed as BOT (Toll) project on DBFOT pattern under NHDP Phase-V- **Permission for laying 8" diameter carrier steel gas pipeline for supply of gas to various consumers / customers in route of proposed steel gas pipeline for Cuttack City Gas Distribution project along with 40mm dia HDPE duct for OFC along the service road from Km.21.310 to Km.21.430 (RHS) and across at Km.21.034 on NH-16- Reg**

M/s GAIL India Ltd has submitted a proposal for laying of 8" diameter carrier steel gas pipeline along with 40 mm OFC duct the NH-16 from chainage 21+310 Km to 21+430 km (From Pratisha Chickens to 1st IDA road of Khannagar Industrial area) & across the NH at chainage 21+034 (Near Press Chhak). The details are as under:

Sl No.	Description	Chainage		Side	Length (m)	Remark
		From	To			
1.	For laying of 8" diameter carrier steel gas pipeline along with 40 mm OFC duct the NH-16	21+310	21+430	RHS	120	From Pratisha Chickens to 1st IDA road of Khannagar Industrial area.
2.		Crossing at Chainage 21+034		NA	251.76	Near Press Chhak

2. As per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, the comments of public, if any, on the above mentioned proposal are invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha
e-mail : roodisha@nhai.org

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".

[Signature]
15/3/22

Dy. General Manager (Tech)
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013

CHECK – LIST

Guidelines for Project Directors for processing the proposal for laying of Natural Gas Pipeline & OFC in the land across National Highways vested with NHAI..

Relevant circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P/88/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III-P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 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 17.09.2003
- 8) Ministry Circular No. RW/NH-34044/29/2015/S&R @ dated 22.11.2016

Check list for getting approval for laying of Natural GAS pipeline along with OFC on NH land.

S.No	Item	Information/Status	Remarks
1	General Information	GAIL(India) Limited has taken up a project of laying of 8" dia. CS steel Natural Gas pipeline for supply of gas to various consumers in route of Cuttack CGD Project along with 40mm dia. HDPE duct for OFC across two locations at NH-16 near Press Chhak (Ch.21.034 Km).	GAIL(India) Limited has taken up a project of laying of 8" dia. CS steel Natural Gas pipeline for supply of gas to various consumers in route of Cuttack CGD Project along with 40mm dia. HDPE duct for OFC across two locations at NH-16 near Press Chhak (Ch.21.034 Km).
1.1	N/Ame and Address of the Applicant/Agency	Deputy.General Manager (CGD), GAIL India Limited, City Gas Distribution Office, Plot no. 10-3-CM-1205/C, Opposite SIIMS College, Sector-10,CDA,Cuttack (Odisha)-753014.	Deputy.General Manager (CGD), GAIL India Limited, City Gas Distribution Office, Plot no. 10-3-CM-1205/C, Opposite SIIMS College, Sector-10,CDA,Cuttack (Odisha)-753014.
1.2	N/AtoN/AI Highway Number	NH-16	NH-16
1.3	State	Odisha	Odisha
1.4	Location	Crossing at NH-16 Chg: 21.034 Near Press Chhak and 120 Mtrs. Along the Service Road from Pratisha Chickens to 1st IDA road of Khannagar Industrial Area	Crossing at NH-16 Chg: 21.034 Near Press Chhak and 120 Mtrs. Along the Service Road from Swarah Dham Seva Samiti to Pratisha Chickens.
1.5	Chain/Age in km	Crossing at Chg: 21.034 (near Press Chhak)-Crossing of 8" steel carrier pipe of 251.76 mtr length and 120 Mtrs along the Service Road from Pratisha Chickens to 1st IDA road of Khannagar Industrial Area	Crossing at Chg: 21.034 (near Press Chhak)-Crossing of 8" steel carrier pipe of 251.76 mtr length and 120 Mtrs along the Service Road from Pratisha Chickens to 1st IDA road of Khannagar Industrial Area
1.6	Length in Meters	120 Mtrs parallel portion on Service Road	120 Mtrs parallel portion on Service Road
1.7	Width of available ROW	60 Mtrs	60 Mtrs
	(a) Left side from center line towards increasing chain/Age/km direction	30 Mtrs	30 Mtrs
	(b) Right side from center line towards increasing chain/Age/ km direction	30 Mtrs	30 Mtrs
1.8	Proposal to lay underground Gas Pipeline along with OFC	Pipeline will be laid along & across NH -16 at locations mentioned in SI.No.1.4 & 1.5	
	(a) Left side from center line towards increasing chain/Age/km direction.	From 26 Mtrs to 29 Mtrs	From 26 Mtrs to 29 Mtrs
	(b) Right side from center line towards increasing chain/Age/km direction.	N/A	
1.9	Proposal to acquire land	No NH land will be acquired for pipeline laying.	
	(a) Left side from center line.	N/A	
	(b) Right side from center line.	N/A	
1.10	Whether proposal is in the same side where land is not to be acquired	N/A, Only 120 Mtrs pipeline will be laid along NH Service Road.	
	If not then where to lay the cable.		
1.11	Details of already laid services, If any, along the proposed route	N/A	
1.12	Number of existing lanes (2/4/6/8 lanes)	6 Lanes	6 Lanes
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)		
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from centre line	From 26 Mtrs to 29 Mtrs	
	(b) Right side from centre line		
1.15	Proposed service road	N/A	
	(a) Left side from center line		
	(b) Right side from center line		

एस्. एम्. शतपथी / S.S. SATAPATHY
डि. जे. एम्. (सी. जी. डी.) OGM (C.G.D.)
गैल (इंडिया) लिमिटेड / GAIL (India) Limited
सी. जी. डी., कटक / C.G.D., Cuttack



1.16	Whether proposal to lay gas pipeline is after the service road or between the service road and main carriageway	Crossing is passing through both service road as well as main Carriageway	
1.17	Whether carrying of gas pipeline has been proposed	N/A	
1.18	Whether carrying of gas pipeline has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	N/A	
1.18	If crossing 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 will be done by HDD method / Boring Method	
	(a) Whether existing drain/Age structures are allowed to carry gas pipeline	OK	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the N/AtoN/A/ Highway, the minimum distance being 15 meter.	N/A	
	(d) The casing pipe (or conduit pipe in the case of electric / OFC 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.	Non Cased	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drain/Age path.	N/A	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts.Mention the proposed details.	Pipe to be laid without Casing	
	(h) Mention the methodology proposed for crossing of road for the proposed gas pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	N/A	
	(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.	N/A	
2	Document / Drawings to be enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)	N/A	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	N/A	
	(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.	N/A	
	(iii) Shall not be permitted to run along the N/AtoN/A/ Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	N/A	
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drain/Age of the road land.	N/A	
2.2	Cross section showing the size of pit and location of pipe for HDD method.	Enclosed	

एस. एस. शतपथी / S.S. SAT,
डिजिटल (सी. बी. डी) / DGM,
गैल (इंडिया) लिमिटेड / GAIL (INDIA)
सी. बी. डी., कटक / C.B.D., KATK.



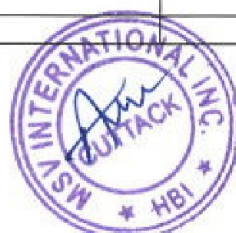
2.3	Strip plan / Route Plan showing Gas pipe line, Chain/Age, width of ROW, distance of proposed Gas pipeline with OFC from the edge of ROW, important mile stone, intersections, cross drain/Age works etc.	Incorporated in the Profile Drawing	
2.4	Methodology for laying of Gas pipe line.	Attached	
2.4.1	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.	Pipeline would be laid by HDD Method, Hence not applicable.	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	N/A	
	(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.	N/A	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	N/A	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.	N/A	
	(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.	N/A	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	N/A	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	N/A	
2.4.2	Horizontal Direction/AI 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 pipeline on the bridge becomes inescapable.	N/A	
3	Draft License Agreement signed by two witnesses	Attached	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- 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 Gas pipeline with OFC /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.	GAIL (INDIA) Limited will pay Bank Guarantee as intimated by NHAI	
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines	GAIL (INDIA) Limited will pay Bank Guarantee as intimated by NHAI	
5	Affidavit / Undertaking from the Applicant for the following is to be furnished:		


दि. 01.05.2023
 श्री. रतपथी / S.S. SATAPATHY
 डि. डि. एम्. (सी. जी. डी.) / DGM (C.G.D)
 गैल (इंडिया) लिमिटेड / GAIL (India) Limited
 सी. जी. डी., कटक / C.G.D., Cuttack



5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency	Yes	
5.2	For Renewal of Bank Guarantee	Yes	
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline	Yes	
5.4	For Shifting of Gas pipe line as and when required by NHAI at their own cost	Yes	
5.5	For Shifting of Gas pipeline due to 6 laning / widening of NH	Yes	
5.6	For Indemnity against all damages and claims	Yes	
5.7	For Traffic movement during laying of Gas pipe line to be maN/Aged by the applicant.	Yes	
5.8	If any claim is raised by the ConcessionAire then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the Gas pipe line/any other utility located in the N/AtoN/AI Highway right-of-ways.	Yes	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the N/AtoN/AI Highway by the laying, maintenance or shifting of the Gas pipe line will be borne by the applicant agency owning the line.	Yes	
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.	Yes	
5.12	Certificate from the applicant in the following format	Yes	
	(i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes	
	(ii) "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 NHAI" for future six-laning or any other development."		
6	Who will sign the agreement on behalf of Gas pipe line agency?	Deputy.General MaN/Ager (CGD), GAIL India Limited,Cuttack	
6.1	Power of Attorney to sign the agreement is available or not	Attached	
7	The Project Director, will submit the following Certificates.		
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 11.5.1982, RW/NH-11037/1/86/DOI (ii) dated 28.7.1993, RW/NH-11037/1/86/DOI dated 19.1.1995, RW/NH-34066/2/95/S&R dated 25.10.1999 and Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003	N/A at Current Stage	
7.2	Certificate from PD in the following format		
	(i) " It is certified that any other location of the Gas pipeline would be extremely difficult and unreasonAble costly and the installation of Gas pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".	N/A at Current Stage	
	(ii) for 6-laning		

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	(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 structure at the said location".		
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".		
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 the right to lay gas pipeline with OFC/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."	Inserted	
9	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	GAIL (India) Limited & their technical consultant M/s Tractebel Limited	
	(b) On behalf of NH/ Authorized Agency	to be decided by NH/ Authorized agency	
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	GAIL (India) Limited	
	(b) On behalf of NHAI	to be decided by NHAI/ Authorized agency	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?		
	On behalf of the Applicant	GAIL (India) Limited	
<p style="text-align: right;">  S.S SATAPATHY DGM, CGD, Cuttack For GAIL (INDIA) limited </p>			



साथी / S.S. SATAPATHY
(सी. जी. डी.) / DGM (C.G.D)
(इंडिया) लिमिटेड / GAIL (India) Limited
सी.जी.डी., कटक / C.G.D., Cuttack



परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.खन.इ.भुवनेश्वर/PIU, Bhubaneswar

8/7/1/2022