



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

दूरभाष / Ph.: 0674 - 2361470/ 570/670 (का/ओ)

ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/1345/2024

09.07.2024

To

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

Sub: Six laning of Chandikhole- Jagatpur- Bhubaneswar section of NH-5 from Km.414+000 to Km.419+000 and Km.0+000 to Km.62+000 in the State of Odisha- Permission for laying of 8" dia carrier steel gas pipeline for supply of gas to various consumers / customers in route of steel gas pipeline, along with 40 mm dia HDPE duct for OFC across NH-16 at Km.419+650 (Vani Vihar) to Km.418+250 (Jayadev Vihar) for 1.4 Km. on LHS and crossing at KM.418+250 (Jayadev Vihar) and from Km.418+250 (Jayadev Vihar) to Km,418+700 (Acharya Vihar) on LHS for Bhubaneswar CGD project - Reg

Ref: PD, PIU- Bhubaneswar letter No. 677 dated 06.06.2024

Sir,

Please find enclosed herewith a proposal of M/s GAIL India Ltd for laying of 8" dia carrier steel gas pipeline for supply of gas to various consumers / customers in route of steel gas pipeline, along with 40 mm dia HDPE duct for OFC across NH-16 at Km.419+650 (Vani Vihar) to Km.418+250 (Jayadev Vihar) for 1.4 Km. on LHS and crossing at KM.418+250 (Jayadev Vihar) and from Km.418+250 (Jayadev Vihar) to Km,418+700 (Acharya Vihar) on LHS. The details are as under:

Sl. No.	Description	Chainage		Length (m)	Side	Type of Pipeline	Remark
		From	To				
1.	Along (Vani Vihar to Jayadev Vihar)	419+650	418+250	1400	LHS	-	Laying of 8" dia carrier steel gas pipeline for supply of gas to various consumers / customers in route of steel gas pipeline, along with 40 mm dia HDPE duct for OFC across NH-16.
2.	Crossing (Jayadev Vihar)	418+250		-	-	Steel 8"	
3.	Along (Jayadev Vihar to Acharya Vihar)	418+250	418+700	450	LHS	-	

[Signature]

2. Accordingly, as per guidelines issued by MoRT&H 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,



(Sunil Kumar)
General Manager (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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

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NHAI/13011/54/RO/OD/ 1349 /2024

09.07.2024

INVITATION OF PUBLIC COMMENTS

Sub: Six laning of Chandikhole- Jagatpur- Bhubaneswar section of NH-5 from Km.414+000 to Km.419+000 and Km.0+000 to Km.62+000 in the State of Odisha- Permission for laying of 8" dia carrier steel gas pipeline for supply of gas to various consumers / customers in route of steel gas pipeline, along with 40 mm dia HDPE duct for OFC across NH-16 at Km.419+650 (Vani Vihar) to Km.418+250 (Jayadev Vihar) for 1.4 Km. on LHS and crossing at KM.418+250 (Jayadev Vihar) and from Km.418+250 (Jyadev Vihar) to Km,418+700 (Acharya Vihar) on LHS for Bhubaneswar CGD project - Reg

M/s GAIL India Ltd has submitted a proposal for laying of 8" dia carrier steel gas pipeline for supply of gas to various consumers / customers in route of steel gas pipeline, along with 40 mm dia HDPE duct for OFC across NH-16 at Km.419+650 (Vani Vihar) to Km.418+250 (Jayadev Vihar) for 1.4 Km. on LHS and crossing at KM.418+250 (Jayadev Vihar) and from Km.418+250 (Jyadev Vihar) to Km,418+700 (Acharya Vihar) on LHS. The details are as under:

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2.	Crossing (Jayadev Vihar)	418+250		-	-	Steel 8"	
3.	Along (Jayadev Vihar to Acharya Vihar)	418+250	418+700	450	LHS	-	

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:

Signature

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".



General Manager (Tech)
National Highways Authority of India,
Regional Office, Odisha
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CHECK – LIST

Proposal for laying of 8" dia carrier Steel Gas pipeline for supply of Gas to various consumers/ customers in route of proposed gas pipe line, along with 40 mm dia HDPE duct for OFC along NH -16 from Ch. 419.650 Km (Vani Vihar) to Ch. 418.250 (Jayadev Vihar) for 1.4 Km (On Left Hand Side) and crossing at Ch. 418.250 (Jayadev Vihar) and Ch. 418.250 (Jayadev Vihar) to Ch. 418.700 (Acharya Vihar) for 0.45 Km (On Left Hand Side) for Bhubaneswar CGD project.

Sl.No.	Item	Information//Status	Remarks
1	General Information	GAIL(India) Limited has taken up a project of laying of 8" dia carrier Steel Gas pipeline for supply of Gas to various consumers/ customers in route of proposed gas pipe line, along with 40 mm dia HDPE duct for OFC along NH -16 from Ch. 419.650 Km (Vani Vihar) to Ch. 418.250 (Jayadev Vihar) for 1.4 Km (On Left Hand Side) and crossing at Ch. 418.250 (Jayadev Vihar) and Ch. 418.250 (Jayadev Vihar) to Ch. 418.700 (Acharya Vihar) for 0.45 Km (On Left Hand Side) for Bhubaneswar CGD project.	
1.1	Name and Address of the Applicant/Agency	GAIL India Limited, City Gas Distribution Project Office, 2 nd Floor, Block-1, BMC-Bhawani Office Complex, Saheed Nagar, Bhubaneswar (Odisha)-751007.	
1.2	National Highway Number	NH-16	
1.3	State	Odisha	
1.4	Location	along NH -16 from Ch. 418.250 Km, Jayadev Vihar, (Tahasil: Bhubaneswar, Dist: Khurda) to Ch. 419.650 Km, Vani Vihar (Tahasil: Bhubaneswar, Dist: Khurda) of Odisha State and Ch. 418.250 Km, Jayadev Vihar, (Tahasil: Bhubaneswar, Dist: Khurda) to Ch. 418.700 Km, Acharya Vihar, (Tahasil: Bhubaneswar, Dist: Khurda)	
1.5	(Chainage in km)	along NH -16 from Ch. 418.250 Km to Ch. 419.650 Km and Ch. 418.250 Km to Ch. 418.700 Km	
1.6	Length in Meters	1850 mtrs parallel portion in ROW	
1.7	Width of available ROW	60 Mtr.	
	(a) Left side from center line towards increasing chainage/km direction	30 Mtr.	




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 गैल (इंडिया) लिमिटेड / GAIL (India) Limited
 बhubaneswar / Bhubaneswar

	(b) Right side from center line towards increasing chainage/km direction	30 Mtr.	
1.8	Proposal to lay underground steel gas pipeline		
	(a) Left side from center line towards increasing chainage/km direction	From 16.5 meter to 30 meter	
	(a) Right side from center line towards increasing chainage/km direction	From 16.5 meter to 30 meter	
1.9	Proposal to Acquire land	N/A	
	(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 1850 mtr parallel to NH	
	If not then where to lay the cable	N/A	
1.11	Details of already laid services, if any, along the proposed route	N/A	
1.12	Number of lanes(2/4/6/8 lanes) existing	4 lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	N/A	
1.14	Service road existing or not		
	If yes then which side		
	(a) Left side from center line towards increasing chainage/km direction	Not existing	
	(b) Right side from center line		
1.15	Proposed Service road		
	(a) Left side from center line	N/A	
	(b) Right side from center line		
1.16	Whether proposal to lay Natural Gas(NG) Pipeline is after the service road or between the service road and main carriageway.	On the extreme edge of ROW along NH -16 from Ch. 418.250 Km to Ch. 419.650 Km and Ch. 418.250 Km to Ch. 418.700 Km. Service road is there for limited extension.	
1.17	The permission for laying of NG Pipeline shall be considered for approval/rejection based on the Ministry Circulars .		
	(a) Carrying of sewage/gas pipelines on highway bridges shall	Highway bridges shall be involved in laying the proposed Pipeline	




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 गैस (इंडिया) लिमिटेड / GAIL (India) Limited
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	<p>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.</p> <p>(b) Carrying of water pipelines on bridges shall also be discouraged. However if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repair etc.</p> <p>(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.</p> <p>(d) Services are not being allowed indiscriminately on the</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	
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	N/A	
	(a) Existing drainage structures shall not be allowed to carry the lines.	No Drainage Structure involved in laying of Natural Gas Pipeline.	
	(b) Is it on a line normal to NH	Yes	
	(C) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	Agreed	




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	(d) The casing pipe (or conduit pipe in the case of electrical cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	NA	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage 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.	N/A	
	(g) The top of 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.	Agreed, shall be followed as per guidelines of NHAI	
	(h) Crossing shall be Horizontal Thrust boring method specially 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/Drawing enclosed with the proposal	YES	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2 m deep x 0.6 m wide)	Agreed	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe	Agreed	
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-lines of the nearest carriageway	Agreed	
	(iii) Shall not be permitted to run		




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	along the National Highways where the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges	Agreed	
	(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	Agreed	
2.2	Cross section showing the size of pit and location of pipe for Horizontal Thrust Boring method	N/A.	
2.3	Strip plan/Route plan showing NG pipeline, Chainage, width of ROW, distance of proposed, NG pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying NG pipeline	Horizontal Directional Drilling (HDD) method	
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	Agreed	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Agreed	
	(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, closed and cobbles and graded to yield a firm surface without sudden change in the bearing value.	Agreed	
	Unsuitable soil and rock edged should be excavated and replaced by selected material.	Agreed	
	(c) The backfill shall be completed in two stages (i) side-fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Agreed	




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	(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. Consolidated by saturation or ponding 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 expense of the agency owning the utility line.	N/A	
2.4.2	Horizontal Thrust Boring Method	Enclosed	
2.4.3	Laying of NG Pipeline through CD works and method of laying	N/A	
	(a) On approaches, the water mains/cable shall be carried along a line as close to the edge of the right-of-way as possible up to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No.H1/P/66/76 dated 19.11.1976.	N/A	
3	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee in favor of Executive Engineer 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 initially(extendable if required till satisfactory completion of work) as a security for ensuring/making	GAIL (India) Limited will submit Bank Guarantee as intimated by NHAI.	




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	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/PWD to the licensee for clearing debris/loose earth.		
4.1	Performance BG as per above is to be obtained	Will be submitted as intimated by NHAI.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	N/A	
5	Affidavit/Undertaking from the Applicant for	Affidavit is enclosed mentioning all these clauses/stipulations	
5.1	Not to Damage to other utility, if damaged then to pay the loses either to NH/PWD or to the concerned agency		
5.2	Renewal of Bank Guarantee		
5.3	Confirming all standard condition of NHAI's/PWD guideline		
5.4	Shifting of NG pipeline as and when required by NHAI/PWD at our own cost		
5.5	Shifting due to planning/widening of NH		
5.6	Indemnity against all damages and claims clause(xxiv)		
5.7	Traffic movement during laying of NG supply pipeline to be managed by the applicant		
5.8	If any claims is raised by the Concessionaire then the same has to be paid by the applicant		
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alternations to the showing NG supply pipeline located in the National Highway right-of-ways.		
5.10	Expenditure, if any, incurred by		




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	NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the PHD LPG supply pipeline will be borne by the agency owning the line.		
5.11	If the NHAI/PWD 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.		
5.12	Certificate from the applicant in the following format (i) laying of NG supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (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 NHAI" for future six-lanning for any other development".	Certificate furnished as stated	
6	Who will sign the agreement on behalf of NG supply pipeline agency	Kiran Kumar Gudla CM (Project) GAIL India Limited, City Gas Distribution Project Office, 2 nd Floor, Block-1, BMC-Bhawani Office Complex, Saheed Nagar, Bhubaneswar (Odisha)-751007.	
7	Certificate from the Executive Engineer		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41(58)/68 dated 31.1.1969, Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982, Ministry Circular No. RW/NH-		




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	11037/1/86-DOI(ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86DOI dated 19.1.1995, MINISTRY Circular NO. RW/NH-34066/2/95/S&R dated 25.10.1999, and Ministry Circulars No. RW/NH-34066/7/2003 S&R(B) dated 17.9.2003		
7.2	<p>Certificate from PD in the following format(i) "it is certified that any other location of the NG supply pipeline would be extremely difficult and unreasonable costly and the installation of NG supply pipeline 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-laning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering structures at the said location".(b) In case feasibility report is not available" I do certify that sufficient ROW is available at site accommodating proposed six-laning".</p>		
8	<p>If NH section proposed to be taken up by NHAI/PWD, on BOT basis-a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has 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>	Inserted in Agreement	
9	Who will supervise the work of	Gail (India) Limited	




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	laying of NG supply pipeline		
10	Who will ensure that the defects in road portion after laying of PHD LPG supply pipeline are corrected and if not corrected then what action will be taken.	Gail (India) Limited	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Gail (India) Limited	
12	A Certificate from PD that he will enter the proposed permission in the resister of records of the permissions in the prescribed perform		
13	If any previous from approval is accorded for laying of underground NG pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	N/A	



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K. Khageswar Rao
परियोजना निदेशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
ए.का.इ. भुवनेश्वर / PHU Bhubaneswar