

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, ओड़िशा /Regional Office, Odisha 301 - ए, तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओड़िशा 301-A, 3rd Floor, Pal Heights, Plot No: J/7. Jayadev Vihar, Bhubaneswar- 751013. Odisha दुरभाष /Ph.: 0674 - 2361470/ 570/670 (का/O) ई-मेल/e-mail : roodisha@nhai.org, ronhalodisha@gmail.com, वेबसाइट/Web : www.nhal.gov.in



NHAI/13011/54/RO/OD/2806/2023

01.11.2023

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

Sub: Rehabilitation and Up-Gradation to Four Laning of NH-23 (New NH No-143) from Km.240.250 I.E Brahmani By-Pass End Beside BNR weight Bridge To km.287.200 I.E. Rajamunda Section in The State of Odisha under NHDP IV-Package-IB – Permission for laying of 8" diameter Natural Gas Pipeline with 40 mm HDPE duct along New NH-143 from RSP Plant side Road (Km.242.866) to Fetcol Petrol Pump (Km.245.140) with two crossings at NH (Km.244.33 & Km.245.140) by Gail India Limited - Reg

Rof: PD, PIU Koonjhar lottor No. 1135 datod 25.07.2023

Sir.

To

Please find enclosed herewith a proposal of M/s GAIL Gas Limited for laying of 8" diameter Natural Gas Pipeline with 40 mm HDPE duct along NEW NH-143 from RSP Plant side Road (Km. 242.866) to Fetcol Petrol Pump (Km.245.140) with two crossing at NH (244.33 & 245.140) by Gail India Limited, Rourkela in Dist.-Sundargarh, State: Odisha in the utility Corridor of NHAI. The details are as under:

			F	Pipeline Loc	ation			
S.	Location of Pipeline laying/ crossing in	Along the	Across the	Dia. of Pipeline		zation of h 1500 mn width	n trench	Remarks
No.	Project Highway NH- 143	Road (m)	road (m)	(m)	L (m)	W (m)	Area (Sqm)	
1.	NH-143 crossing at Km. 245+140.		60	0.355	60	0.355	21.3	14" dia.(355.6 mm) casing pipe for carrier pipe crossing
2.	NH-143 crossing at Km. 245+140.		60	0.153	60	0.153	9.18	6"dia.(152.4mm) casing pipe for Cable Crossing
3.	NH-143 crossing at Km 244 366	-	60	0.355	60	0.355	21.3	14" dia.(355.6 mm) casing pipe for carrier pipe crossing.
4.	NH-143 crossing at Km. 244+366.		60	0.153	60	0.153	9.18	6"dia.(152.4mm) casing pipe for Cable Crossing
5.	Along NH-143 from RSP Plant Side Road at Km. 242.866 to Km. 244+366 (LHS) & Km.244+366 to Km.245+140 (RHS)	2394		0.203	2394	0.203	485.93	Along NH with 8" dia. 203.2 mm carrier pipe

6.	Along NH-143 from RSP Plant Side Road at Km. 242.866 to Km. 244+366 (LHS) & Km.244+366 to Km.245+140 (RHS)	2394	0.04	2394	0.04	94.56	Along NH with 40 mm Cable.
	Total NH Land	to be utilized	by the agency i	n Sqm.		641.45	

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,

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(Abinash Behera) Dy. 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, ओड़िशा / Regional Office, Odisha 301 - ए, तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर - 751013. ओड़िशा 301-A. 3rd Floor, Pal Heights, Plot No: J/7, Jayadev Vihar, Bhubaneswar- 751013. Odisha दुरपाष/Ph.: 0674 - 2361470/ 570/670 (का/O) ई-मेल/e-mail : roodisha@nhal.org, ronhaiodisha@gmail.com, येबसाइट/Web : www.nhai.gov.in

01.11.2023

NHAI/13011/54/RO/OD/ 28092023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation and Up-Gradation to Four Laning of NH-23 (New NH No-143) from Km.240.250 I.E Brahmani By-Pass End Beside BNR weight Bridge To km.287.200 I.E. Rajamunda Section in The State of Odisha under NHDP IV-Package-IB – Permission for laying of 8" diameter Natural Gas Pipeline with 40 mm HDPE duct along New NH-143 from RSP Plant side Road (Km.242.866) to Fetcol Petrol Pump (Km.245.140) with two crossings at NH (Km.244.33 & Km.245.140) by Gail India Limited - Reg

M/s GAIL Gas Limited has submitted a proposal for laying of 8" diameter Natural Gas Pipeline with 40 mm HDPE duct along NEW NH-143 from RSP Plant side Road (Km. 242.866) to Fetcol Petrol Pump (Km.245.140) with two crossing at NH (244.33 & 245.140) by Gail India Limited, Rourkela in Dist.-Sundargarh, State: Odisha in the utility Corridor of NHAI. The details are as under:

			F	Pipeline Loc	ation			
S. No.	Location of Pipeline laying/ crossing in Project Highway NH- 143	the	Across the road	Dia. of Pipeline	Utilization of with 1500 mi width		n trench	Remarks
NO.		Road (m)	(m)	(m)	L (m)	W (m)	Area (Sqm)	
1.	NH-143 crossing at Km. 245+140.		60	0.355	60	0.355	21.3	14" dia.(355.6 mm casing pipe for carrie pipe crossing
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6.	Along NH-143 from RSP Plant Side Road at Km. 242.866 to Km. 244+366 (LHS) & Km.244+366 to Km.245+140 (RHS)	2394		0.04	2394	0.04	94.56	Along NH with 40 mm Cable.
	Total NH Land	to be uti	lized by th	e agency in	Sqm.		641.45	

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2. As per guidelines issued by MoRTH 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 is 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 : <u>roodisha@nhai.org</u>

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

Alerent 01.11.23

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

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Check List

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

Relevant Circulars

Ministry Circular No. NH-41 (58)68 dated 31.01.1969
 Ministry Circular No. NH-III/P/66/76 dated 18/19.11.19776
 Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982
 Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 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
 Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003

8) Ministry Circular RW/NH-33044/29/2015/S&R(R) Dated 22.11.2016

Check list for getting approval for laying of Gas Pipe Lines on NH land

Sr. No.	Item	Information /Status	Remarks
1	General Information	GAIL India Limited intends to lay 8" natural gas pipeline along NH-143 From RSP Plant Side Road (Chainage 242.866) to Fetcol Petrol Pump (Chainage 245.140) with two crossing at NH (244.366 and 245.140)	

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1.1	Name and Address of the Applicant / Agency	Ashish Kumar, Senior Manager (Construction), Hotel Central Park, Room No 413, Main Road Rourkela- 769001	
1.2	National Highway Number	NH-143	
1.3	State	Odisha	
1.4	Location	From RSP Plant Side Road (Chainage 242.866) to Fetcol Petrol Pump (Chainage 245.140) with two crossing at NH (244.366 and 245.140)	
1.5	(Chainage in km)	From RSP Plant Side Road (Chainage 242.866) to Fetcol Petrol Pump (Chainage 245.140) with two crossing at NH (244.366 and 245.140)	
1.6	Length in Meters	2274 m	
	Width of available ROW	60 Mtr.	
1.7	(a) Left side from center line towards increasing chainage /km direction	30 Mtr.	
	(b) Right side from center line towards increasing chainage / km direction	30 Mtr.	
	Proposal to lay underground Gas Pipeline/Electrical Cable.	8"Gas Pipeline will be laid along NH- 143 with 2 crossings	
1.8	(a) Left side from centre line towards increasing chainage / Km direction	25 m	
	(b) Right side from centre line towards increasing chainage / Km direction	25 m	

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	Proposal to acquire Land	42
1.9	(a) Left side from center line	1.25 m
	(b) Right side from center line	
1.10	Whether proposal is in the same side where land is not to be acquired	NA
	If not then where to lay the Pipeline/cable	NA
1.1	Details of already laid services, if any, along the proposed route	NA
1.1	Number of lanes (2/4/6/8 lanes) existing	4 Lane
1.1	Proposed Number of lanes (4 lane with paved shoulders / 4 /6/8 lanes)	NA
1.1	Service Road existing or not If yes then which side	Yes
	(a) Left side from center line	25
	(b) Right side from center line	25
	Proposed Service Road	the second second second second
1.2	(a) Left side from center line	Na
	(b) Right side from center line	
1.2	Whether proposal to lay Gas Pipeline is after the service road or between the service road and main carriageway	After the service road
1.2	The permission for laying of Gas pipeline shall be considered for approval/ rejection based on the Ministry Circulars mentioned as above	Yes, Agreed

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Whether carrying of sewage/gas pipeline has been Proposed on the parapet / part of the bridges. If yes, then mention the methodology proposed for the Same.	No	Pipeline to be laid along NH.
If crossing of the road involved, If yes it shall either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	Cased crossing	
(a) Whether existing drainage structures are allowed to carry sewage/gas pipeline	No	
(b) Is it on a line normal to NH	Yes	
(c) What is the distance of crossing the sewage / gas pipeline from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	As per condition	
(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 with drawl of the carrier pipe/cable. Mention type of casing.	Yes	
	then mention the methodology proposed for the Same.If crossing of the road involved, If yes it shall either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line(a) Whether existing drainage structures are allowed to carry sewage/gas pipeline(b) Is it on a line normal to NH(c) What is the distance of crossing the sewage / gas pipeline from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.(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 with drawl of the carrier pipe/cable.	then mention the methodology proposed for the Same. If crossing of the road involved, If yes it shall either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line Cased crossing (a) Whether existing drainage structures are allowed to carry sewage/gas pipeline No (b) Is it on a line normal to NH Yes (c) What is the distance of crossing the sewage / gas pipeline from the existing structures? Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. As per condition (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 with drawl of the carrier pipe/cable. Mention type of casing. Yes

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	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	(f) The casing/conduit pipe should, as minimum extend from drain to cuts and toe of slope in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.5 meter below the surface of the road subject to being at least 0.3 below the drain inverts. Mention the proposed details.	Yes	
	 (h) Mention the methodology proposed for crossing of road for the proposed Sewage/gas pipe line, Crossing shall be by broing method [Trenchless Technology] specially, where the existing road pavement is of cement concrete or dense bituminous concrete type. 	Yes	HDD
	 (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	
2	Document / Drawings enclosed with the proposal	Yes	

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	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2 meter deep X 1.0 meter wide) (i) Should not be less than 60 cm wider than the outer		
2.1	diameter of the pipe (ii) Located as close to the extreme edge of the right-of-way as possible but not less than 4 meter from the centre-lines 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.	Enclosed	0
2.2	Cross section showing the size of pit and location of Pipeline/cable for Case crossing/HDD method	Enclosed	0
2.3	Strip plan / Route plan showing Gas pipeline, Chainage, Width of RoW, distance of proposed Pipeline from the edge of RoW, Important mile stone, intersections, cross drainage works etc.	Enclosed	

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2.4	Methodology for laying of showing Gas pipeline.	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 refining trench.	Yes	Pipeline will be laid in utility corridor.
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes	
	(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	Pipeline will be laid in utility corridor.
	(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.	NA	Pipeline will be laid in utility corridor.

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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. Consolidation by saturation or pending will not be Permitted.	NA	Pipeline will be laid in utility corridor.	6
	(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.	NA		
	(f) The excavation shall be protected by flagman. signs and barricades, and red lights during night hours.	Yes		
	(g) II required, a diversion shall be constructed at the expense of agency owning the utility line.	NA		C
2.4.2	Method of laying Gas Pipeline	Open trenching method for along the road and HDD method for crossing.		
2.4.3	Methodology for Laying of Gas pipeline through CD works and method of laying. In cases where the carrying of Gas pipeline on the bridge becomes inescapable.	N.A.		

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3	Draft License Agreement signed by two witnesses	Yes	
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	A LOCAL AND A L		
	Performance Bank Guarantee in favour of NH-PWD 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	and the second second second second	
	(extendable if required till	See a second second	
4	satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the	Yes, Agreed.	
	cables / ducts by proper filling and		
	compaction, clearing debris / loose earth produced due to execution of		
	trenching at least 50 meter away	the second second second	
	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	Confirmation of BG has been obtained or not as per NHAI guidelines.	To be confirmed	
5	Affidavit / Undertaking from the Applicant for the following is to be furnished	Yes	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NH or to the concerned agency.	Yes	

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5.3	For Confirming all standard condition of Ministry Circulars and NH guideline	Enclosed	
5.4	For Shifting of Gas pipeline as and when required by NHAI at their own cost.	Enclosed	
5.5	For Shifting Gas pipeline due to 4/6 laning / widening of NH	Enclosed	
5.6	For Indemnity against all damages and claims clause (xxiv)	Enclosed	
5.7	For traffic movement during laying of Gas pipeline 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	
5.1)	Prior approval of the NH 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	C
5.10	Expenditure, if any, incurred by NH for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipe line will be borne by the applicant agency owning the line.	Enclosed	

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5.1	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	Enclosed
	a reasonable time (not exceeding 60 days) of the intimation given.	
	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 safty for	
5.1	traffic (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 NH" for future 4/6 laning or any other development.	Yes; Enclosed
6	Who will sign the agreement on behalf of Gas pipeline agency	Ashish Kumar, Senior Manager (CGD)
6.1	Power of Attorney to sign the agreement is available or not	Yes
7	The Project Director/Executive Engineers, will submit the following Certificates	

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7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highway Circular No NH-III/P/66/76 dated 18/19.11.1976, RW/NH-III/P/66/76 dated 11.5.1982, (ii) RW/NH-11037/1/86/DOI dated	Yes	
	28.7.1993. (iii) RW/NH- 11037/1/86/DOI dated 19.1.1995 (iv) RW/NH-34000/2/95/ 5&R dated 25.10.1999 and (v) RW/NH- 34066/7/2003 S&R (B) dated 17.9.2003		
7.2	Certificate 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 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	

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 (ii) for 6- lanning (a) Where feasibility is available "I do certify that there will be no hindrance 	
to proposed six laning based on the feasibility report considering	Yes
proposed structures 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".	

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11	Who will pay the claims for damages done / disruption in working of concessionaire if asked by the concessionaire	3457	
	On behalf of the Applicant	GAIL (India) Limited	
	A certificate from Project Director/Executive Engineer that he		
12	will enter the proposed permission in the register of records of the permissions in the prescribed Performa (Copy enclosed).	47	
		9. V	
13	If any previous approval is accorded for laying of underground water / Petroleum / Gas supply pipeline then Photocopy of register of records of permissions accorded as maintained by Project Director/Executive Engineer then copy be enclosed.	Yes	

आशीष कुमार /Ashish Kumar वरिष्ठ प्रवंधक (निर्माण) Senior Manager (Construction) जेल (इंडिया) लिमिटे ड, राउरकेला Gail (india) Limited, Rourkela Ashish Kumar

Senior Manager (Construction) Gail (India) Limited

Acting Team Leader Thomas Engineering Services Pvt. Ltd.

परियोजनी निर्देशक PROJECTOIRECTOR भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.इ, केन्दुझर /PIU - Keonjhar.

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