



सत्यमेव जयते

# 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), फैक्स /Fax : +91-674-2361770  
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NHAI/13011/54/RO/OD/ 337 /2022

17.10.2022

To

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

Sub: Rehabilitation and up gradation of Chandikhole – Bhadrak section of NH-5 (New NH-16) from Km.62+000 to Km.136+500 in the State of Odisha under NHDP Phase-V on HAM Mode ROW permission for laying of underground gas pipelines along / across NH-16 near Bhadrak City between Km.122+000 to Km.125+000 by M/s Adani Total Gas Limited - Reg

Ref: PD, PIU- Balasore letter No. 1269 dated 10.10.2022

Sir,

Please find enclosed herewith a proposal of M/s Adani Total Gas Limited for laying of underground gas pipelines along / across NH-16 near Bhadrak City between Km.122+000 to Km.125+000 of the subject stretch. The details are as under:

Sl. No.	Chainage		Along/ Across	Location
	From(Km)	To(Km)		
1.	122+000	125+000	Along (RHS)	Near Collector Office (Start of NH service road) to HPCL Shankar Gauri CNG Station to Gelpur OPTCL Sub station
2.	124+530		Across	Bonth Chowk

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 CGM (Tech) & RO, Odisha.

Yours faithfully,

17.10.2022

(Sunil Kumar)  
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  
301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/ 7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा  
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NHAI/13011/54/RO/OD/ 3370 /2022

17.10.2022

**INVITATION OF PUBLIC COMMENTS**

**Sub:** Rehabilitation and up gradation of Chandikhole – Bhadrak section of NH-5 (New NH-16) from Km.62+000 to Km.136+500 in the State of Odisha under NHDP Phase-V on HAM Mode-ROW permission for laying of underground gas pipelines along / across NH-16 near Bhadrak City between Km.122+000 to Km.125+000 by M/s Adani Total Gas Limited - Reg

M/s Adani Total Gas Limited has submitted a proposal for laying of underground gas pipelines along / across NH-16 near Bhadrak City between Km.122+000 to Km.125+000 of the subject stretch. The details are as under:

Sl. No.	Chainage		Along/ Across	Location
	From(Km)	To(Km)		
1.	122+000	125+000	Along (RHS)	Near Collector Office (Start of NH service road) to HPCL Shankar Gauri CNG Station to Gelpur OPTCL Sub station
2.	124+530		Across	Bonth Chowk

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 cooking 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](mailto:roodisha@nhai.org)

This is issued with the approval of CGM (Tech) & RO, Odisha .

17.10.2022

(Sunil Kumar)  
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 for getting approval for laying of Natural Gas Supply Pipeline on NH land.**

Sr. No	Item	Information/Status	Remarks
1	General Information	Laying Pipeline across NH-16 across & along the NH as per Annexure-I (Enclosed)	
1.1	Name and address of the applicant/agency	Adani Total Gas Ltd., 2nd Floor ,Master Babu Complex, Chapulia, Bhadrak, Odisha-756100	
1.2	National Highway Number	NH 16	
1.3	State	Odisha	
1.4	Location	As per Annexure-I	
1.5	(Chainage in Km.)	Along the road from CH 122587.44 mt to 124219.412 mt  Across the road at CH 124530	
1.6	Length in Meters.	A. 2630 Mtr.  B.72 Mtr.	A1. 150 mm NB MS: 1630 Mtr. B2. 90 mm NB MDPE: 1000 Mtr.  B1. 72 Mtr. HDD Cased Crossing (100 mm NB MS + 125 mm NB MDPE)
1.7	Width of available Row		
	(a) Left side from centre line towards increasing chainage/km. direction		
	(b) Right side from centre line towards increasing chainage/km. direction		
1.8	Proposal to lay underground Natural Gas Pipeline	Laying Pipeline across NH-16 across & along the NH as per Annexure-I (Enclosed)	



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	Left side from center line towards increasing chainage/km direction	NA	NA
	Right side from center line towards increasing chainage/km direction.	A. CH 122587.44 To CH 124219.412  B. 72 Mtr. (CH 124530)	A1. 150 mm NB MS: 1630 Mtr. B2. 90 mm NB MDPE: 1000 Mtr.  B1. 72 Mtr. HDD Cased Crossing (100 mm NB MS + 125 mm NB MDPE)
1.9	Proposal to acquire land		
	(a) Left side from centre line.	NA	
	(b) Right side from centre line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired		
	If not then where to lay the Natural Gas Pipeline	Within ROW	
1.11	Details of already laid services, if any, along the proposed route		
1.12	Number of lanes (2/4/6/8 lanes) existing	6 lane	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 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		
	(a) Left side from centerline	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Natural Gas supply pipeline is after the service road or between the service road and main carriageway	After service road	
1.17	The permission for laying of Natural Gas supply pipeline shall be considered for approval/rejection based on the Ministry Circulars mentioned as above	NA	



*JE*  
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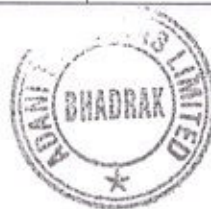




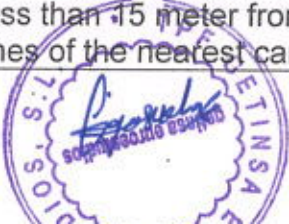
(a)	Carrying of sewage/gas pipelines on highway bridges shall not be permitted as fumes /gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Natural Gas.	Noted	ATGL proposed Natural Gas Pipeline is Underground
(b)	Carrying of Natural Gas pipelines on bridges shall also be discouraged. However, if the Natural Gas 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 repairs etc.	NA	
(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.	NA	
(d)	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. Approvals are to be accorded in this regard with the concurrence of the Ministry's project Chief Engineers only.	Noted	ATGL proposed Natural Gas Pipeline is Underground
1.18	If crossing of the road involved. If yes, it shall be either encased in pipes or through structure of conduits specially built for that purpose at the expenses of the agency owning the line.	Yes	Gas Pipeline shall be crossed in steel casing through HDD method
(a)	Existing drainage structures shall not be allowed to carry the lines.	Noted	
(b)	Is it on a line normal to NH	Yes	



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(c)	Crossing 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	
(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.	Yes, Casing pipe is of Carbon steel	
(e)	Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Noted	
(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 1.2 meter below the surface of the road subject to being at least 0.3 mtr below the drain inverts.	Noted	
(h)	Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	HDD (Methodology Enclosed)
(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 Natural Gasway along it.	Yes	
2	Document / Drawings enclosed with proposal	Yes	
2.1	Cross section showing the size normal size of 1.2m deep X0.3m wide).	Enclosed	
2.1 (i)	Should not be greater than 60 cm wider than outer diameter of the pipe	Yes Agreed	
2.1 (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.	Noted	





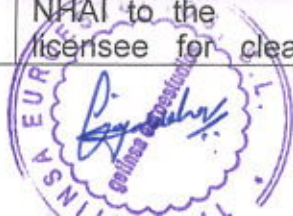
2.1 (iii)	Shall not be permitted to run along the National Highway when the road formation is situated in double cutting. Now shall these be laid over the existing culverts & bridges.	Yes Agreed	
2.1 (iv)	These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct.	Yes Agreed	
2.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
2.3	Strip plan / Route plan showing Natural Gas supply pipe line, 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 proposed Natural Gas supply pipe line.	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.	Yes	Case Crossing/HI II) 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.	Noted	
(b)	For filling of the trench, bedding shall be to a depth of not less than 30cm. 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.	Noted	
(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.	Noted	



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(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. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	Noted	
(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.	Noted	
(f)	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Noted	
(g)	If required, a diversion shall be constructed at the expenses of agency owning the utility line.	Noted	
2.4.2	Method for Laying Gas Pipeline	Open trenching/HDD method for along the road & Cased crossing through HDD across the road.	
2.4.3	Laying of Natural Gas supply pipeline through CD works and method of laying		
3	Draft License Agreement signed by two witness	Enclosed	
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 for ensuring / making good the excavated trench for laying the cables/ducts by proper filling and compaction, cleaning 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	Yes, As per new guidelines of MoRTH circular dt. 22.11.2016	



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	earth.		
4.1	Confirmation of BG has been obtained as per NHAI guidelines	To be Confirm	
5	Affidavit/Undertaking from the applicant for the following is to be furnished	Yes	Annexure-II
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	Renewal of Bank Guarantee.	Yes	
5.3	Confirming all standard condition of NHAI's guidelines.	Enclosed	
5.4	Shifting of Natural Gas supply pipeline as and when required by NHAI at their own cost.	Enclosed	
5.5	Shifting due to 6 laning/widening of NH.	Enclosed	
5.6	Indemnity against all damages and claims clause(xxiv).	Enclosed	
5.7	Traffic movement during laying of Natural Gas supply pipeline to be managed by the applicant.	Enclosed	
5.8	If any claim is raised by 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 showing Natural Gas supply pipeline located in the National Highway right of ways.	Enclosed	
5.10	Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Natural Gas supply pipeline will be borne by the agency owning the line.	Enclosed	



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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 shall be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60days) of the intimation given.	Noted	
5.12	<p>Certificate from the applicant in the following format</p> <p>(i) Laying of Natural Gas supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</p> <p>(ii) We do undertake, that we will relocate service roads/approach road/utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six-laning or any other development".</p>	Enclosed	
6	Who will sign the agreement on behalf of Natural Gas supply pipeline agency	Rajesh Prabhu	
6.1	Power of Attorney to sign the agreement is available or not	Yes	
7	Certificate from the Project Director		



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7.1	<p>Certificate for confirming of all standard condition issued vide Ministry Circular No.</p> <ol style="list-style-type: none"> <li>1. Ministry Circular No. NH- 41(58)/68 dated 31.1.1969</li> <li>2. Ministry Circular No. NH- III/P/66/76 dated 18/19.11.1976</li> <li>3. Ministry Circular No. RW/NH- III/P/66/76 dated 11.05.1982</li> <li>4. Ministry Circular No. RW/NH- 11037/1/86- DOI(ii) dated 28.07.1993</li> <li>5. Ministry Circular No. RW/NH- 11037/1/86- DOI dated 19.01.1995</li> <li>6. Ministry Circular No. RW/NH- 34066/2/95/S&amp;R dated 25.10.1999</li> <li>7. Ministry Circular No. RW/NH- 34066/7/2003 S&amp;R(B) dated 17.09.2003</li> </ol>		
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*[Signature]*  
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7.2	<p>Certificate from PD in the following format</p> <p>(i) " It is certified that any other location of the Natural Gas Supply Pipe line would be extremely difficult and unreasonable costly and the installation of Natural Gas Supply 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- laning (a)Where feasible 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>(iii) (b) In case feasibility report is not available, "I do certify that sufficient ROW is available at site for accommodating proposed six-laning."</p>		
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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 cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of section along NH NO.16 -on Build, Operate and Transfer Basis and therefore, the licensee shall honour the same."	Yes	
9	Who will supervise the work of laying of Natural Gas Supply pipeline		
	e applicant	Adani Total Gas Limited	
	H Division	Person deputed by PD	
10	Who will ensure that the defects in road portion after laying of Natural Gas supply pipe line are corrected and if not corrected then what action will be taken.		
	(a)On behalf of the applicant	Adani Total Gas Limited	
	(b)On behalf of the applicant	Person deputed by PD	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	Adani Total Gas Ltd.	
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 Natural Gas supply pipeline that photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	NIL	



*[Signature]*  
Project Director,  
National Highways Authority of India  
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Annexure-II

Affidavit/Undertaking from the applicant for the following is to be furnished	
1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.
2	Renewal of Bank Guarantee.
3	Confirming all standard condition of NHAI's guidelines.
4	Shifting of Natural Gas supply pipeline as and when required by NHAI at their own cost.
5	Shifting due to 6 laning/widening of NH.
6	Indemnity against all damages and claims clause(xxiv).
7	Traffic movement during laying of Natural Gas supply pipeline to be managed by the applicant.
8	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant.
9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Natural Gas supply pipeline located in the National Highway right of ways.
10	Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Natural Gas supply pipeline will be borne by the agency owning the line.
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 shall be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60days) of the intimation given.
12	Certificate from the applicant in the following format
	(a) Laying of Natural Gas supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
	(b) We do undertake. that we will relocate service roads/approach road/utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six-laning or any other development".



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National Highways Authority of India  
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ADANI TOTAL GAS LIMITED

Rajesh Prabhu  
(Region Head – R-3)

