

Government of India

Ministry of Road Transport & Highways

(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022

Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 20.11.2019

Invitation of public comments

Sub: **Proposal for NOC permission for laying of underground steel pipeline along NH-24A from Ch.0.000 to Ch.0.800 in the State of Uttar Pradesh - Reg**

1. M/s Green Gas Limited has submitted the proposal for laying of gas pipe line along the route from Km. 0.00 to Km. 0.800 on NH-24A to the Executive Engineer, NH Division, UP PWD, Lucknow. In the submitted proposal, it has been reported that the proposed gas pipe line shall be laid using trenchless (HDD) method.

2. 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).

3. In view of the above, comments of the public on the above application (checklist enclosed) is invited to the below mentioned address:

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Encl.: As above.

Yours faithfully,



(Ruchir Agarwal)

Assistant Executive Engineer

For Chief Engineer - Regional Officer

Copy to:

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Chief Engineer (NH), U.P., P.W.D., 96, M.G. Marg, Lucknow - 226 001.
- (iii) Green Gas Limited, 2nd Floor, Fortuna Tower, 10 Rana Pratap Marg, Lucknow, Uttar Pradesh - 226 001.



(Ruchir Agarwal)

Assistant Executive Engineer

For Chief Engineer - Regional Officer

CHECK -LIST

Guidelines for Executive Engineer PWD of new NH-24A (New NH-230) for processing the proposal for laying of Gas Pipe line in the land along National Highways of PWD.

Relevant circulars of Ministry of Road Transport and Highways

- 1) Ministry guidelines dated 22.11.2016

Check list for getting approval for laying of Gas Pipe Line on NH land (To be filled by the PIU)

The permission for laying of Gas Pipe Line shall be considered for approval /rejection based on the Ministry Circulars mentioned as above.

(a) Carrying of swage/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 water.

(b) 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.

S.No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Green Gas Ltd. Fortuna Tower, 2 nd Floor, 10 Rana Pratap Marg, Lucknow-226001	
1.2	National Highway Number	NH-24A, (New NH-230)	
1.3	State	Uttar Pradesh	
1.4	Location	NH-24A (New NH-230) (Lucknow-Sitapur Road – LHS) from Sign Board of Toll Road Ends to Railway crossing on service road left side Ch. 0.000 Meter to Ch. 0.800 Meter	
1.5	(Chainage in Km)	From Ch. 0.000 Km. to Ch. 0.800Km in between.	
1.6	Length in Meters	800 Mt. (approx.)	
1.7	Width of available ROW		

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NH Division PWD
Lucknow



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National Highway
Lucknow

	(a) Left side from center line towards increasing chainage / km direction.	22.5 M	
	(b) Right side from center line towards increasing chainage/ km direction		
1.8	Proposal to lay underground Pipeline		
	(a) left side from service road line towards increasing chainage/ km direction	Service road from left side Ch. 0.000km to Ch. 0.800km. M at Km start chainage; M at Km. end chainage	
	(b) Right side from center line towards increasing chainage/ km direction		
1.9	Proposal to acquire land		
	(a) Left side from service line	yes	
	(b) Right side from center line	no	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not, then where to lay the cable	Service Road outer Edge of ROW (LHS)	
1.11	Details of already laid services, if any, along the Proposed route		
1.12	Number of existing lanes (2/4 / 6/8 lanes)	4 Lane	
1.13	Proposed Number of lanes (1 lane with paved shoulders)	NH	
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		
1.15	Proposed Service road	Yes	
	(a) Left side from center line	N/A	
	(b) Right side form center line	N/A	
1.16	Whether proposal to lay Gas PipeLine is after the service road or between the service road and main carriageway	Service Road outer Edge of ROW (LHS)	
1.17	Whether carrying of sewage / gas pipeline has been proposed on highway Bridges. If Yes. Then mention the methodology proposed for the same.	No	N/A
1.18	Whether carrying sewage / gas pipeline has been proposed on the parapet/any part of the Bridges. If Yes, then mention the methodology proposed for the same.	No	N/A
1.19	If crossings of the road involved	No	

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National Highway
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	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	N / A	
	(b) is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the sewage/gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 Meter.	N / A	
	(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. Mention type of casing.	Yes	
	(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 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 m below the drain inverts. Mention the proposed details.	The applicant shall lay the gas pipeline 3M below the ground level so that the same is not damage during the widening improvement of the National Highway. Through undertaking has also been furnished by the applicant to remove/shift the gas pipeline as & when required by NH	
	(h) Mention the methodology proposed for crossing of road for the proposed Sewage/	HDD	


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	gas pipe line. Crossing shall be by boring method (HDD) [Trenchless Technology], specially where the existing road pavement is of cement concrete or dense bituminous concrete type.		
	(i) The casing/conduit pipe shall be installed with and 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) (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 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.	N/A	Trench Cross Section Drawing is enclosed
2.2	Cross section showing the size of pet and location of steel pipeline for HDD method	No	
2.3	Strip plan/ route Plan Showing Gas pipeline, Chainage, width of Row, distance of proposed Gas pipeline from the edge of ROW, important milestone, intersections, cross drainage works etc.	Enclosed	Site Survey Drawings are enclosed
2.4	Methodology for laying of Gas pipe line.		
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	N/A	
	(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	N/A	

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NH Division PWD
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Executive Engineer
National Highway Divn
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	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.		
	(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.	N/A	
	(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 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 agency owning the utility line.	N/A	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
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	
3	Draft License Agreement signed by two witnesses	Yes	On Rs. 100 Non-Judiciary Stamp Paper
4	Performance Bank Guarantee	Yes	
4.1	Confirmation of BG has been obtained or not as per NHA guidelines	BG as per NH Guidelines	
5	Affidavit / Undertaking from the Applicant for the following is to be furnished		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NH-Division of PWD or to the concerned agency.		Undertaking enclosed on Letter Head
5.2	For Renewal of Bank Guarantee.		
5.3	For Confirming all standard condition of		Undertaking enclosed on

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NH Division PWD
Yucknow



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Executive Engineer
National Highway Division
PWD, Lucknow

	Ministry Circulars and NH-Division of PWD guideline.		Letter Head
5.4	For Shifting of Gas pipeline as and when required by NH-Division of PWD at their own cost		Undertaking enclosed on Letter Head
5.5	For Shifting of Gas pipeline due to 6 lanning / widening of NH-Division of PWD.		
5.6	For Indemnity against all damages and claims		Undertaking enclosed on Letter Head
5.7	For Traffic movement during laying of Gas pipeline to be managed by the applicant.		Undertaking enclosed on Letter Head
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.		Undertaking enclosed on Letter Head
5.9	Prior approval of the NH division of PWD shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Gas pipeline/any other utility located in the National highway right-of ways.		Undertaking enclosed on Letter Head
6	<i>Power of Attorney in favor of authorized signatory</i>		Authorized Person is Mr. Vijay Kumar Singh Manager (Project)
7	Copy of DOT license		
8	<i>Certificate from the Executive Engineer</i>	Inserted	
	<i>Certificate for confirming of all standard condition issued vide Ministry Circular No RW/NH-33044/17/2000-S&R Dated 29.09.2000 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000 and Ministry's Circular No. RW/NH-33044/17/2000 S&R Dated 21.03.2006</i>		
8.2	<i>Certificate For 1 Lanning from Ex. Engineer in the following format.</i>		
	(a) <i>Where feasibility is available "I do certify that there will be no hindrance to proposed One laning based on the feasibility report considering proposed structures at the said location</i> (b) <i>In case feasibility report is not available :I do certify that sufficied ROW is available at site for accommodation proposed One-laning"</i>		
9	The agreement fee of Rs. 1 shall be charged	Yes	
10	If NH section proposed to be taken up by NH		

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National Highway Division
P.W.D. Lucknow

	on BOT basis- a clause in para 17 to be inserted in the agreement. "the permitted Highway on which Licensee has been granted the right to lay steel pipeline has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of from Ch.0.000km to Ch. 0.800km		
11	Who will supervise the work of laying of Gas pipeline		Green Gas Ltd.
12	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.		Green Gas Ltd.
13	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.		Green Gas Ltd.
14	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
15	If any previous approval is accorded for laying of underground Gas Pipe line then Photocopy of register of records of permissions accorded as maintained by Ex. Engineer (as per ministry circular no. RW/NH-33044/17/2000-S&R Dated 23.07.2003 as referred in para 13 above in enclosed or not.		

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NH Division PWD
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