



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
National Highway Authority of India
(Ministry of Road Transport and Highway Govt. of India)

परियोजना कार्यान्वयन इकाई-छपरा

Project Implementation Unit - Chhapra

मकान-श्री मति गायत्री देवी, ए1, प्रभुनाथ नगर, पोस्ट-तारी, थाना-मुफसिल, जिला-सारन (छपरा), बिहार, पिन-841301

H/o- Smt. Gayatri Devi, A1, Prabhunath Nagar, PO-Tari, PS-Mufsil, District-Saran (Chhapra), Bihar, Pin - 841301



Ph: 06152-248058 & 248052

Email: hajipur@nhai.org,

nhaichhapra@gmail.com

NO.: NHAI/PIU/Chhapra/NH-77/IOCL/Permission/2023/572

Date: 12.06.2023

Invitation of Public Comments

Sub: Upgradation of Hajipur-Muzaffarpur Section of the existing NH-77 to four lane dual carriageway configuration of the section starting from Km. 0+000 (RamashishChowk) to Km. 46+300 and construction of 16.870 kms. new bypass starting at Km. 46+300 and connecting NH-28 of East -West Corridor at Km. 515+045 in the State of Bihar on BOT (Annuity) basis under NHDP Phase-III: - **(A) Permission of laying steel and MDPE gas pipeline along with OFC for city Gas Distribution project along and across NH-77. (1) Along/across NH-77-from Turki (Near Ashutosh Petroleum-Indian Oil Petrol pump), Muzaffarpur (proposed chainage 37+000 km) to Ramdayalu Nagar, Muzaffarpur (proposed chainage 46+300 km). (B) Installation of isolation value chamber along road.**

The General Manager (Construction), M/s Indian Oil Corporation Limited has submitted the aforesaid proposal seeking Permission of laying steel and MDPE gas pipeline along with OFC for city Gas Distribution project along and across NH-77. (1) Along/across NH-77-from Turki (Near Ashutosh Petroleum-Indian Oil Petrol pump), Muzaffarpur (proposed chainage 37+000 km) to Ramdayalu Nagar, Muzaffarpur (proposed chainage 46+300 km). (B) Installation of isolation value chamber along road.


2. From the submitted proposal, it is seen that the carrier pipe will be of 4.625" OD and crossing pipeline will be of 4.625" (Carbon Steel conforming to API 5LX-52/65 Grade specifications). The pipeline laying along the road shall be carried out in Utility corridor or at near extreme edge with minimum of 2m from the edge of ROU. Method of crossing will be HDD (Horizontal Direction Drilling). Depth of the pipeline below the centre line of NH will be 3.0 m minimum in road crossing. Parallel pipeline shall be laid at depth of 1.2 m along the road side. Once the pipeline is laid underground, the road will be restored to its original conditions. Cost of crossing/laying along road shall be borne by IOCL. M/s Indian Oil Corporation Limited also undertakes that IOCL will relocate gas pipeline at its own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for further six lanning or any other development.

3. 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).

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In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

Project Director
National Highways Authority of India,
Project Implementation unit-Chhapra,
H/o-Smt. Gayatri Devi, Plot No.A1,
Parbhunath Nagar, P.O-Tari,
P.S-Muffasil, District-Saran -841301
Email:nhaichhapra@gmail.com


(Manoj Kumar)
Project Director

Encl: As above.

Copy to:

- (i) Web Admin, NHAI, HQ- with a request for uploading on the NHAI website.
- (ii) The Technical Director, NIC, Transport Bhawan, New Delhi- with a request for uploading on the Ministry's website.
- (iii) RO, NHAI, Patna.
- (iv) General Manager (Construction), M/s Indian Oil Corporation Limited.

CHECK LIST	
Guidelines for processing the proposal for laying gas pipeline along with optical fibre cable in the land across National Highway vested with NHAI	
Relevant circulars	
1.	Ministry circular No. NH-41(58)/68 dated 31-01-1969
2.	Ministry circular No. NH-III/P/66/76 dated 18-11-1976
3.	Ministry circular No. RW-NJ-III/P/66/76 dated 01-05-1982
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-33044/29/2015/S&R(R) dated 22.11.2016

Checklist for getting approval for laying of Gas pipeline on NH land

S.No.	Item	Information/Status	Remarks
1	General Information	A) Permission of laying steel and MDPE gas pipeline along with OFC for City Gas Distribution Project along and across existing NH 77 Along/across NH 77 - From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur (Proposed Chainage 37+000 KM) To Ramdayalu Nagar, Muzaffarpur (Proposed Chainage 46+300 KM) B) Installation of isolation valve chamber along road	
1.1	Name and address of the Applicant/Agency	Indian Oil Corporation Limited Pipelines Division, ERPL City Gas Distribution Project Office - Saran, 3rd Floor, J P Building, Near R D S School, PIN: 841301	
1.2	National Highway Number	NH 77	
1.3	State	Bihar	
1.4	Location	From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur To Ramdayalu Nagar, Muzaffarpur	
1.5	(Chainage in km)	Proposed Chainage 37+000 KM To Proposed Chainage 46+300 KM	
1.6	Length in Meters	Crossing Length – 180 mtr, Along length – 9300 mtr	
1.7	Width of available ROW	CH 37+000 KM TO CH 46+300 KM - ~ 45 Mtr	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
Location: Along/across NH 77 - From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur (Proposed Chainage 37+000 KM) To Ramdayalu Nagar, Muzaffarpur (Proposed Chainage 46+300 KM)

	(a) Left side from center line towards increasing chainage/km direction	CH 37+000 KM TO CH 46+300 KM - ~ 22.5 Mtr	
	(b) Right side from center line towards increasing chainage/km direction	CH 37+000 KM TO CH 46+300 KM - ~ 22.5 Mtr	
1.8	Proposal to lay underground gas pipeline for supply of gas products		
	(a) Left side from center line towards increasing chainage/km direction	Left side of centre line of NH 77 towards increasing chainage direction From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur To Ramdayalu Nagar, Muzaffarpur	
	(b) Right side from centre line towards increasing chainage/km direction		
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable.	NA	
1.11	Details of already laid services, if any along the proposed route	NIL	
1.12	Number of existing lanes (2/4/6/8 lanes).	4	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes).	-	
1.14	Service road existing or not	NO	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center		

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	line		
1.15	Proposed service road	NA	
	(a) Left side from center line		
	(c) Right side from center line		
1.16	Whether proposal to lay the gas pipeline is after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of sewage/gas pipeline has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same.	NA	
1.18	Whether carrying of sewage/gas pipeline has been proposed on the parapet/ any part of the bridges. If Yes, then mention the methodology proposed for the same.	NA	
1.19	If crossings of the road involved If yes, it shall be either encased in pipes or through structure or conduits specially built for the purpose at the expenses of the agency owing the line	Yes	
	(a) Whether existing drainage structures are allowed to carry gas pipeline	Yes	
	(b) It is 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 National Highway, minimum distance	As per site condition	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
Location: Along/across NH 77 - From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur (Proposed Chainage 37+000 KM) to Rajendrapally Nagar, Muzaffarpur (Proposed Chainage 46+300 KM)

	being 15 meter.		
	(d) The casing pipe(or conduit pipe in the case of electric cable) carrying the gas 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.	4" dia duct will be used for crossing of OFC cable.	
	(e) Ends of 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 containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at lease 0.3m below the drain inverts. Mention the proposed details.	Yes	
	(h) Mention the methodology proposed for crossings of road for the proposed Sewage/gas pipe line.	The pipeline will be laid by Horizontal Directional Drilling (HDD) Method which is trenchless method at crossing location and Open Cut will be used for along the road section.	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
Location: Along/across NH 77 - From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur (Proposed Chainage 37+000 KM) To Ramdayalu Nagar, Muzaffarpur (Proposed Chainage 46+300 KM)

	Crossings 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 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 to be enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method	Yes and drawing attached.	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	
2.3	Strip plan/Route plan showing the petroleum/Gas pipe line, chainage, width of ROW, distance of proposed pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying of the gas pipe line.	The pipeline will be laid by Horizontal Directional Drilling (HDD) Method and Open Cut-detailed procedure and drawing attached.	
2.4.1	Open trenching method. (May be allowed in the petroleum corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench.	Yes	
	(a) The trench width	Yes	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
Location: **Along/across NH 77 - From Turki (Near Ashutosh Petroleum – Indian Oil Petrol pump), Muzaffarpur (Proposed Chainage 37+000 KM) To Ramnagar, Muzaffarpur (Proposed Chainage 46+300 KM)**

	should be at least 30cm, but not more than 60 cm wider than the outer diameter of the pipe.		
	(b) For filling of the trench, bedding shall be at 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 a sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes	
	(c) The backfill shall be completed in two stages (i) side fill to level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tempering and controlled addition of moisture to 95% of the proctor's density. Overfill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted	Yes	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
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AD

नजफ रज़ा/Najaf Raza
 महाप्रबंधक (निर्माण)/General Manager (Construction)
 इंडियन ऑयल कॉर्पोरेशन लिमिटेड, पटना
 INDIAN OIL CORPORATION LIMITED, Patna
 पूर्वी क्षेत्र पाइपलाइन निर्माण कार्यालय, बेसी रोड, पटना-801503

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	(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.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expense of agency owing the petroleum line.	Yes	
2.4.2	Horizontal directional drilling (HDD) method.	Yes	
2.4.3	Methodology for laying of pipe line through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	
3	Draft license Agreement is signed by two witnesses	Draft original 02 set is attached.	
3.1	The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016	Enclosed	
4	Whether performance Bank guarantee as per Ministry's circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 is obtained	Will be submitted after receipt of demand note	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHA guidelines		
5	Affidavit/ Undertaking from the Applicant for the		

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
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	following is to be furnished		
5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	
5.2	Undertaking for Renewal of bank guarantee as and when asked by MoRTH/NHAI.	Yes	
5.3	Undertaking for confirming all standard condition of Ministry circulars and NHAI's guidelines.	Yes	
5.4	Undertaking for Indemnity against all damages and claims.	Yes	
5.5	Undertaking for management of traffic movement during laying of gas line without hampering the traffic	Yes	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be paid by the applicant.	Yes	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work for installation, shifting or repairs, or alterations to the gas located in the National Highway right-of-ways.	Yes	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the gas line will be borne by the applicant agency owing the line.	Yes	
5.9	Undertaking that text of the text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's circular no. RW/NH-33044/29/2015/S&R(R) dated	Yes	

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नजफ रज़ा/Najaf Raza

सहसंचालक (निर्माण)/General Manager (Construction)

इंडियन ऑयल कॉर्पोरेशन लिमिटेड, पटना

INDIAN OIL CORPORATION LIMITED, Patna

पूर्वी क्षेत्र पाइपलाइन्स निर्माण कार्यालय, बेसी रोड, पटना-801503

Eastern Regional Pipelines Construction Office Baisi Road, Patna-801503

	22.11.2016		
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive safety Organization, Oil Industry safety Directorate, State/Central pollution control board and any other statutory clearances as applicable, before applying to Highway Administration	Yes	
5.11	If the MoRTH/NHAI consider it necessary in future to move the gas line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of the agency owing the gas line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development."	Enclosed	
6	Who will sign the agreement on behalf of Gas pipe line agency.	General Manager(Const.) Indian Oil Corporation Limited Project Construction Office, Patna	
	Power of Attorney to sign the	Yes	

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	agreement is available or not		
7	The project Director will submit the following Certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's circular No: RW/NH-33044/29/2015/S&(R) dated 22.11.2016	Yes	
7.2	Certificate from PD in the following format (i)" It is certified that any other location of the Gas pipe line would be extremely difficult and unreasonable costly and the installation of Product 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." (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 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-lining".	Yes	
8	if NH section proposed to be	NA	

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नजफ रजा/Najar Raza
 मुख्य अधिकारी (निर्माण) / General Manager (Construction)
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 पूर्वी क्षेत्र पाइपलाइन निर्माण कार्यालय, बली रोड, पटना-801503
 Eastern Regional Pipelines Construction Office Bailey Road, Patna-801503

	taken up by NHAI on BOT basis – a clause is to be inserted in the agreement. "The permitted Highway on which License has been granted the right to lay gas Pipeline/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 license shall honour the same."		
9	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	Yes (IOCL, pipelines division)	
	(b) On behalf of the MoRTH/NHAI	PD/Consultant	
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	Yes (Senior Manager , Indian Oil Corporation Limited City Gas Distribution - Saran)	
	(b) On behalf of NHAI	PD/Consultant	
11	Who will pay the claims for damage done/disruption in working of concessionaire if asked by the concessionaire	Indian Oil Corporation Limited (Pipelines Division) City Gas Distribution Project, Saran	
	On behalf of the applicant	Yes	
12	A certificate from PD that he will enter the proposed permission in the register of record of the permission in the prescribed proforma (copy enclosed)	Yes	
13	If any various approval is	No such permission is accorded	

Laying of Natural Gas Pipeline Along/across the NH 77 application of IOCL – City Gas Distribution Project, Muzaffarpur
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	accorded for laying of underground gas pipe line then Photocopy of register of records of permission accorded (as maintained by PD) be enclosed.		
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नजफ रज़ा / Najaf Raza
महाप्रबंधक (निर्माण) / General Manager (Construction)
इंडियन ऑयल कॉर्पोरेशन लिमिटेड, पटना
INDIAN OIL CORPORATION LIMITED, Patna
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Eastern Regional Pipelines Construction Office Bailey Road, Patna-801503