



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय / REGIONAL OFFICE

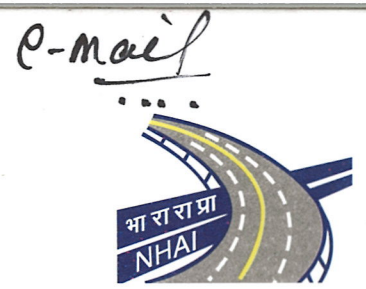
ई-6/47, स्मृति परिसर, साईबोर्ड के पास, अरेरा कॉलोनी, भोपाल (म.प्र.)-462016

E-6/47, Smriti Parisar, Near Sai Board, Arera Colony, Bhopal (M.P.)-462016

दूरभाष/Phone: 0755-2426638, फैक्स/Fax: 0755-2426698, ई-मेल/E-mail ID: robhopal@nhai.org

भाराराप्रा/क्ष.का.-म.प्र./विजयपुर/रा.रा.44/2025/53041

दिनांक 12.02.2025



Invitation of Public Comments/ सार्वजनिक टिप्पणियों का आमंत्रण

विषय: उत्तर प्रदेश राज्य में झाँसी जिले में विजयपुर-एमपी से पाता (औरिया)-यूपी तक एनएच-44 पर ओएफसी डक्ट के साथ स्टील लिक्विड हाइड्रोकार्बन (एथेन-प्रोपीन) पाइपलाइन प्रस्तावित 14" व्यास की बिछाने की अनुमति देने का प्रस्ताव।

संदर्भ: ई-फाईल नं. 270837.

- परियोजना निदेशक, पीआईयू ग्वालियर, भाराराप्रा द्वारा ई-ऑफिस क्रमांक 270837 के माध्यम से उत्तर प्रदेश राज्य में झाँसी जिले में विजयपुर-एमपी से पाता (औरिया)-यूपी तक एनएच-44 पर ओएफसी डक्ट के साथ स्टील लिक्विड हाइड्रोकार्बन (एथेन-प्रोपीन) पाइपलाइन प्रस्तावित 14" व्यास की बिछाने का प्रस्ताव प्रस्तुत किया है।

PD, PIU-Gwalior vide e-office computer no. 270837 dated 01.02.2025 has submitted the proposal for Proposal for granting permission for laying of proposed 14" Dia. Steel liquid Hydrocarbon (Ethen-propene) pipeline along with OFC duct across NH-44 from Vijaipur-MP to Pata (Auriya)-UP in Jhansi District in Uttar Pradesh State.

- मंत्रालय के कार्यालय ज्ञापन संख्या OM No. RW/NH-33044 S&R (R) dated 22.11.2016 के अनुसार, दावे और आपत्तियां (सार्वजनिक असुविधा, सुरक्षा और सामान्य सार्वजनिक हित के आधार पर) मांगने के लिए आवेदन को 30 दिनों के लिए सार्वजनिक डोमेन में रखा जाएगा।

As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, and amendment dated 24.04.2023 the application shall be put out in public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

- तदनुसार, दावे और आपत्तियां मांगने के लिए उपरोक्त प्रस्ताव (आवेदन की प्रति संलग्न) पर 30 दिनों के भीतर (यानी 12.03.2025 तक) सार्वजनिक पोर्टल (यानी MoRT&H की वेबसाइट (www.morth.nic.in)) पर जनता की टिप्पणियां आमंत्रित की जाती हैं, जिसके बाद किसी भी टिप्पणी पर विचार नहीं किया जाएगा। टिप्पणी आमंत्रित करने वाले प्राधिकारी का पता इस प्रकार है:-

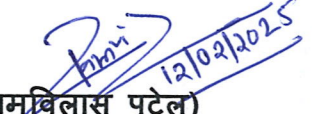
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Accordingly, the public comments are hereby invited on the above proposal (copy of application enclosed) for seeking claims and objections within 30 days (i.e. by 12.03.2025) on public portal {i.e. website of MoRTH (www.morth.nic.in)} beyond which no comments will be considered. The address of comments inviting authority is as under:

राजमार्ग प्रशासक, क्षेत्रीय अधिकारी कार्यालय भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, ई-6/47, स्मृति परिसर, साई बोर्ड अरेरा कॉलोनी के पास, भोपाल (मप्र)-462016	The Highway Administrator O/o Regional Officer, National Highways Authority of India E-6/47, Smriti Parisar, Near Sai Board Arera Colony, Bhopal (MP)-462016
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यह पत्र राजमार्ग प्रशासक सह क्षेत्रीय अधिकारी के अनुमोदन उपरान्त जारी किया जा रहा है।


(रामविलास पटेल)
प्रबंधक (तक.)

संलग्न:- उपरोक्तानुसार।

प्रतिलिपि:-

- 1.वेब एडमिन, भा.रा.रा.प्रा., मुख्यालय, नई दिल्ली की ओर सर्वजनिक टिप्पणियों के लिए भा.रा.रा.प्रा. की वेबसाइट पर अपलोड करने के अनुरोध के साथ।
- 2.वरिष्ठ तकनीकी निदेशक, एनआईसी, परिवहन भवन, नई दिल्ली की ओर सार्वजनिक टिप्पणियों के लिए सड़क परिवहन की वेबसाइट पर अपलोड करने के अनुरोध के साथ।
- 3.परियोजना निदेशक, ग्वालियर की ओर सूचनार्थ प्रेषित ।
4. मेसर्स गेल इंडिया प्राइवेट लिमिटेड, एच. वी. जे. कम्प्रेसर स्टेशन, दिवियापुर, पोस्ट;दिवियापुर, जिला-औरैया (उ.प्र.)-206244, ई-मेल: info@gail.co.in

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE ALONG/ACROSS NH-44

Permission for laying of proposed 14" Dia. Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline along with OFC duct across NH-44 from Vijaipur- M.P. to Pata (Auraiya)-U.P in Jhansi District in Uttar Pradesh State.

Government of India Guidelines GR No. RW/NH-33044/29/2015/S&R(R) Dtd. 22.11.2016

Sr. No.	Item	Information / Status	Remarks
-1	General Information		
1.1	Name and Address of the Applicant / Agency	GAIL (INDIA) Limited, H.V.J. Compressor Station, Dibiyapur, District- Auraiya (U.P.)-206244	
-1.2	National Highway Number	NH-44	
1.3	State	Uttar Pradesh	
1.4	Location	Jhansi District	
1.5	(Chainage in Km)	Across NH-44 NH-44 @ 91.983 KM (RHS to LHS)	
1.6	Length in Meters	60.00 Mt.	
1.7	Width of available ROW (Proposed)		
	(a) Left side from center line towards increasing chainage / km direction	30 m	
	(b) Right side from center line towards increasing chainage / km direction	30 m	
1.8	Proposal to lay underground Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline	Yes	
	(a) Left side from center line towards increasing chainage / km direction	N.A.	
	(b) Right side from center line towards increasing chainage / km direction	N.A.	
1.9	Proposal to acquire Land		
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.10	Whether proposal is in the same side where land is not to be acquired	No	
	If not then where to lay the Pipeline	The Pipe line shall be laid at Across the ROW	
1.11	Details of already laid services, if any, across the proposed route	Nil	
-1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with	No	



Signature

Small Carl

SAURABH GARG
 मुख्य प्रबंधक (यांत्रिकी) / Ch Manager (Mech.)
 गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
 प्लॉट नं० ३० कम्प्रेसर स्टेशन, दिबियापुर, अरैया (उ० प्र०)
 H.V.J. Compressor Station Dibiyapur, Auraiya (U.P.)

SITE ENGINEER
 NHAI, PIU,
 GWALIOR (U.P.)

Signature
 प्रबंधक (तक.)
 Manager (Tech.)
 प.का.ई. (PIU), ग्वालियर

PROJECT DIRECTOR
 प.का.ई. (PIU)-ग्वालियर (म.प्र.)
 ग्वालियर (म.प्र.)

Sr. No.	Item	Information / Status	Remarks
	paved shoulders/4/6/8 lanes)		
1.14	Service Road existing or not		
	If yes then which side		
	(a) Left side from center line	-	
	(b) Right side from center line	-	
1.15	Proposed Service Road		
	(a) Left side from center line	Shown in Route Map Drawing	
	(b) Right side from center line	Shown in Route Map Drawing	
1.16	Whether proposal to lay Steel Liquid Hydrocarbon (Ethane-Propane) pipeline is after the service road or between the service road and main carriageway	After the service road in the utility corridor at edge of ROW.	
1.17	The permission for laying of Steel Liquid Hydrocarbon (Ethane-Propane) pipeline shall be considered for approval / rejection based on the Ministry Circulars as per Govt. Of India, MORTH guidelines RVW/NH-33044/29/2015/S&(R) on Dated - 22 nd Nov 2016.	Yes, Agreed	
	(i) Whether the Row is More than 45 Mts the pipeline shall be laid at the edge of right of way within the utility corridor 2 m width, duly Keeping in view the future widening.	The Pipe line shall be laid at across the ROW	
	ii) Where the land is yet to be acquired for 4 laning and the position of new carriageway has been decided than the cable shall be laid at the edge of right of way within the utility corridor of 2m on that side of existing width, on carriageway where extra land is not proposed to be acquire for 6-laning. ducts if provided for the purpose	NA	
	iii) where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less, a judicious decision would need be taken for permitting the laying of cable/duct. This could be within 1.5m to 2.0m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	Yes, Agreed	



Signature
R.R.

Signature

सीरम गर्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एच १० जे ० कम्प्रेसर स्टेशन, दिबवापुर, अरुणा (उ.प्र.)
H.V.J. Compressor Station Dibaipur, Arunachal Pradesh (U.P.)

Signature
प्रबंधक (सक.)
Manager (Tech.)
प.का.ई. (PIU)-भा.रा.प्रा. (NH)
ग्वालियर (म.प्र.)

Signature
परियोजना निदेशक
PROJECT DIRECTOR
प.का.ई. (PIU)-भा.रा.प्रा. (NH)
ग्वालियर (म.प्र.)

Sr. No.	Item	Information / Status	Remarks
	iv) Where the ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. Highways in cutting through hilly/rolling terrain), the pipeline shall be laid clear of the drain.	The Pipe line shall be laid at Across the ROW	
1.18	No. of applicants on the same stretch		
1.19	Whether the case of multiple licenses		
1.20	If so furnish a joint implementation program to lay their respective ducts within stipulated time frame.	NA	
1.21	If crossing of the road involved, if yes it shall only be through trench-less technology	Yes	
2.0	Document / Drawings enclosed with the proposals	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.65m deep x 0.5m wide) Should not be greater than 1.2m in width in pipeline for HDD method.	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method	No	
2.3	Strip plan/Route plan showing the Pipelines, OFC, Chainage, width of ROW, distance of proposed pipeline, cable form the edge of ROW, important mile stone, intersection, cross drainage works etc..	Yes	
2.4	Methodology for laying of Steel Liquid Hydrocarbon (Ethane-Propane) pipeline.	Enclosed Methodology for laying of Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline along with OFC duct	
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	Back Filling With Excavated material With Compaction	Manager (Tech) (PIU)-भारत रा. प्रा. (N.H.A.I.) ग्वालियर (म.प्र.)
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, the utility services shall cross the National Highway preferably on a line normal to it as nearly as practicable.	
2.4.3	Laying of Steel Liquid Hydrocarbon (Ethane-Propane) pipeline through CD works and method of laying	HDD / Open Cut Method as per site condition & instruction from NHAI officials	PROJECT DIRECTOR (PIU)-भारत रा. प्रा. (N.H.A.I.) ग्वालियर (म.प्र.)



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Signature
Saurabh Garg

सीरम गार्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एचवी जेटो कम्प्रेसर स्टेशन, दिववापुर, औरंगाबाद (रा. प्र.)
HVJ Compressor Station Dibravpur Aurangabad (U.P.)

Sr. No.	Item	Information / Status	Remarks
3	Draft License Agreement signed by two witnesses	Draft License Agreement is enclosed duly signed by two witnesses	
4	Performance Bank Guarantee in favor of NATIONAL HIGHWAY has to be obtained @ Rs.100/- 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, clearing debris / loose earth produced due to execution of trenching at least 50 meter away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth.	Yes, Agreed. GAIL (INDIA) Limited will submit Performance Bank Guarantee at time of Permission.	
4.1	Performance BG as per above is to be obtained.	Yes	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NH or to the concerned agency	Enclosed	
5.2	Renewal of Bank Guarantee	Enclosed	
5.3	Confirming all standard condition of NH guideline	Enclosed	
5.4	Shifting of Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline as and when required by National Highway at their own cost	Enclosed	
5.5	Shifting due to 2/4/6 lanning / widening of NH	Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Enclosed	
5.7	Traffic movement during laying of Steel Liquid Hydrocarbon (Ethane-Propane) 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	



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सौरभ गर्ग
SAURABH GARG
मुख्य प्रबंधक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एन १० सी १० कम्प्रेसर स्टेशन, दिव्यापुर, अरिया (छ.प्र.)
HVJ Compressor Station, Dibivapur, Auriya (U.P.)

परियोजना निदेशक
PROJECT DIRECTOR
प.का.ई. (PIU)-आ.रा.रा.प्रा. (NH)
ग्वालियर (म.प्र.)

Sr. No.	Item	Information / Status	Remarks
5.9	Prior approval of the National Highway shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline located in the National Highway right-of-ways.	Enclosed	
5.10	Expenditure, if any, incurred by National Highway for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline will be borne by the agency owning the line.	Enclosed	
5.11	If the National Highway 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 National Highway at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format	Enclosed	
	(i) Laying of Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.		
	(ii) for 2/4/6 – 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 National Highway” for future four – lanning or any other development.”		
6	Power of Attorney in favor of authorized signatory / Authorization Letter	Mr. Saurabh Garg Chief Manager (NG P/L O&M))	
7	Certificate from the Project Director	Yes	



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Signature

सौरभ गार्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एचवी जेओ कम्प्रेसर स्टेशन, दिबियापुर, अरिया (उ.प्र.)
HVJ Compressor Station, Dibiyapur, Auraiya (U.P.)

Signature
परियोजना निदेशक
PROJECT DIRECTOR
प.का.ई. (PIU)-भारत-रा.प्र. (NHA)
ग्वालियर (म.प्र.)

Sr. No.	Item	Information / Status	Remarks
8.1	Certificate for conforming of all standard conditions vide Ministry Circular No. RW/NH-33044/17/2000 S&R dated 29.09.2000 and NHA's issued vide no. NHA/OEC/2k/Vol.II for 07.11.2000 and Ministry's circular no. RW/NH-33044/27/2000-S&R dated 21.03.2006 and Ministry's Guidelines Lr. No. RW/NH-33044/27/2005-S&R (R) dated 21.09.2010 and Ministry's circular no. RW/NH/33044/27/2005/S&R (R) (Pt.) dated 06.08.2013 & RW/NH 33044/29/2015/5&R(R)(Pt) dated 22.11.2016 (Pt.)	Yes	
8.2	Certificate from PD in the following format		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed four-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 four-laning".		
9.0	Agreement fee of Rs.1 shall be charged.	Yes	
10	If NH section proposed to be taken up by National Highway 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 of way to the concessionaire under the concession agreement for NH-44 Across-@ 91.983 KM (RHS to LHS) Who will supervise the work of laying of Steel Liquid Hydrocarbon (Ethane-Propane) pipeline on build, Operate and Transfer basis and therefore the licensee shall honor the same.		<p><i>[Signature]</i> प्रबंधक (तक.) Manager (Tech.) प.का.ई. (PIU)-भारत.रा.प्र. (NH) ग्वालियर (म.प्र.)</p>
11	Who will supervise the work of laying of Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline	GAIL (INDIA) LIMITED	परियोजना निदेशक PROJECT DIRECTOR
12	Who will ensure that the defects in road portion after laying of Steel Liquid	NHAI	प.का.ई. (PIU)-भारत.रा.प्र. (NHAI) ग्वालियर (म.प्र.)



[Signature]
21/11/17

[Signature]

सौरभ गर्ग
SAURABH GARG
मुख्य प्रबंधक (यांत्रिकी) / Ch. Manager (Mech.)
भेल (इंडिया) लिमिटेड / GAIL (India) Ltd
एच 0 बी 0 जे 0 कम्प्रेसर स्टेशन, दिब्रुगढ़, असम (786 009)
NHAI Compressor Station, Dibrugarh, Assam 786 009

Sr. No.	Item	Information / Status	Remarks
	Hydrocarbon (Ethane-Propane) Pipeline are corrected and if not corrected then what action will be taken.		
13	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	GAIL (INDIA) LIMITED	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma.		
15	If any previous approval is accorded for laying of underground Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Not Applicable	

Date:

Saurabh Garg

सौरभ गर्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एक को के.एम्.एस. स्टेशन, दिब्रियपुर, अरुणाचल प्रदेश (उ.प्र.)
K.M.S. Compressor Station, Dibriyapur, Arunachal Pradesh (U.P.)

[Signature]
प्रियोजना निदेशक
PROJECT DIRECTOR

The Project Director (PIU),
National Highways Authority of India,
PIU, D-81, Govindpuri,
Sachin Tendulkar Marg,
Gwalior (M.P.) - 474011

[Signature]
R.E.



[Signature]
प्रबंधक (तक.)
Manager (Tech.)

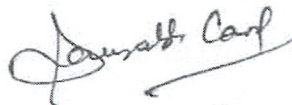
च.का.ई. (PIU)-भार.रा.प्र. (NHAI)
ग्वालियर (म.प्र.)

[Signature]
SITE ENGINEER
NHAI, PIU,
GWALIOR (M.P.)

ANNEXURE - A

Details of Laying Underground Liquid Hydrocarbon (Ethane-Propane) Pipeline along / across NH-44

1. (i) Name of company asking for : GAIL (India) Limited.
Permission
- (ii) Contact Person : Name & Designation : Mr. Saurabh Garg
Chief Manager (NG P/L O&M)
GAIL (India) Limited, Dibiyaapur
- (iii) Full Camp Office Address : H.V.J. Compressor Station,
Dibiyaapur, District- Auraiya
(U.P.)-206244
- (iv) Telephone No. : +91 8006864243
- (v) Details & purpose for laying the pipe : Laying of underground 14" Dia.
line Along through NHAI Land : Steel Liquid Hydrocarbon
(Ethane-Propane) Pipeline along
with OFC in Jhansi District in
Uttar Pradesh State.
Across - NH-44 @ 91.983 KM
(RHS to LHS)
- (vi) Any other details regarding laying :
- (a) Distance of proposed site from the : Across NH-44
Center of the road.
- (b) Whether it is possible to lay the : Yes
proposed lines or not (reasons)
- (c) Whether it is possible to cross the : Yes
proposed lines through existing
lines or not (reasons)
2. Details regarding road alignment whether :
U/G Cable / pipe is to be laid a along the
road
- (i) Name of Road : NH-44
- (ii) Category of road (to be ascertained : 1) Across - NH-44 @ 91.983 KM
from Km. stone on road side) : (RHS to LHS)
- (iii) Width of the road
- (a) Formation width measured from : 30 m
earthen bank
- (b) Black Topped carriageway width : 20 m



सौरभ गार्ग
SAURABH GARG
मुख्य प्रबंधक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd
एच.वी.जे. कंप्रेसर स्टेशन, दिबियापुर, अरैया (उ.प्र.)
H.V.J. Compressor Station, Dibiyaapur, Auraiya

(c) Road Boundary (extent of highway land) : 60 m

(All these details are to be shown on the drawing also)

(d) Location of pipeline laying Crossing : Across NH-44
1) NH-44 @ 91.983 KM (RHS to LHS)

3. Details to be supplied on layout drawings (5 sets) : Drawing enclosed

4. GEOGRAPHICS OF THE PIPELINE ROUTE

(a) Dimension of the Pipeline trench : 1 m(Width) X 1.5m.(Depth)

(b) Dimension of Protection pipe. : N.A

(c) Diameter of the Pipeline / Cable. : 14" Dia. Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline along with OFC

(d) Right of User : 1.00 meter.

5. (i) This is to certify that no Govt. Land shall be occupied by Gail (India) Limited except for the purpose of laying of UG Cables / Pipeline. : Agreed

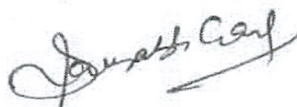
(ii) This is to certify that the work shall be in accordance with the Govt. Rules and regulations in force from time to time and binding to Gail (India) Limited : Agreed

(iii) This is to certify that all required cost and fees as per rules and regulation of the Govt. will be deposited timely. : Agreed

Place: Dibiyaipur

Date :

For Gail (India) Limited



Saurabh Garg
Chief Manager (NG P/L O&M)
GAIL (India) Limited, Dibiyaipur

सावरभ गर्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एचवी कंप्रेसर स्टेशन, दिबियापुर, अरिया (उ.प्र.)
HVI Compressor Station Dibiyaipur, Auraya (U.P.)

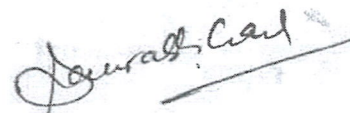
Annexure- B

Information to be furnished along with the proposal for laying of underground Liquid Hydrocarbon (Ethane-Propane) Pipeline along / across NH-44 (GWALIOR TO JHANSI)

1. Exact location of crossing with Chainage of the National Highway and right of way of NH Division at Crossing point : Across NH-44@ 91.983 KM (RHS to LHS)
2. Table showing distance of cable / pipe and ROW From centerline of Highway (Minimum distance of Cable / Pipe inside from edge of ROW edge) : NA
3. Methodology of crossing in NH by trench less technique : Methodology for HDD is enclosed.
4. Crossing details : Plan & Cross section drawing showing depth of crossing at a minimum 1.2 m From existing ground with sealing ends pipe : Drawing enclosed
5. Route index plan along the Highway showing The following : Drawings are enclosed
 - (A) Existing ROW of NH in Green colour
 - (B) Liquid-Hydrocarbon (Ethane-Propane) Pipeline in Black colour
6. Undertaking that you shall take care of existing Service lines that have been laid previously : Enclosed

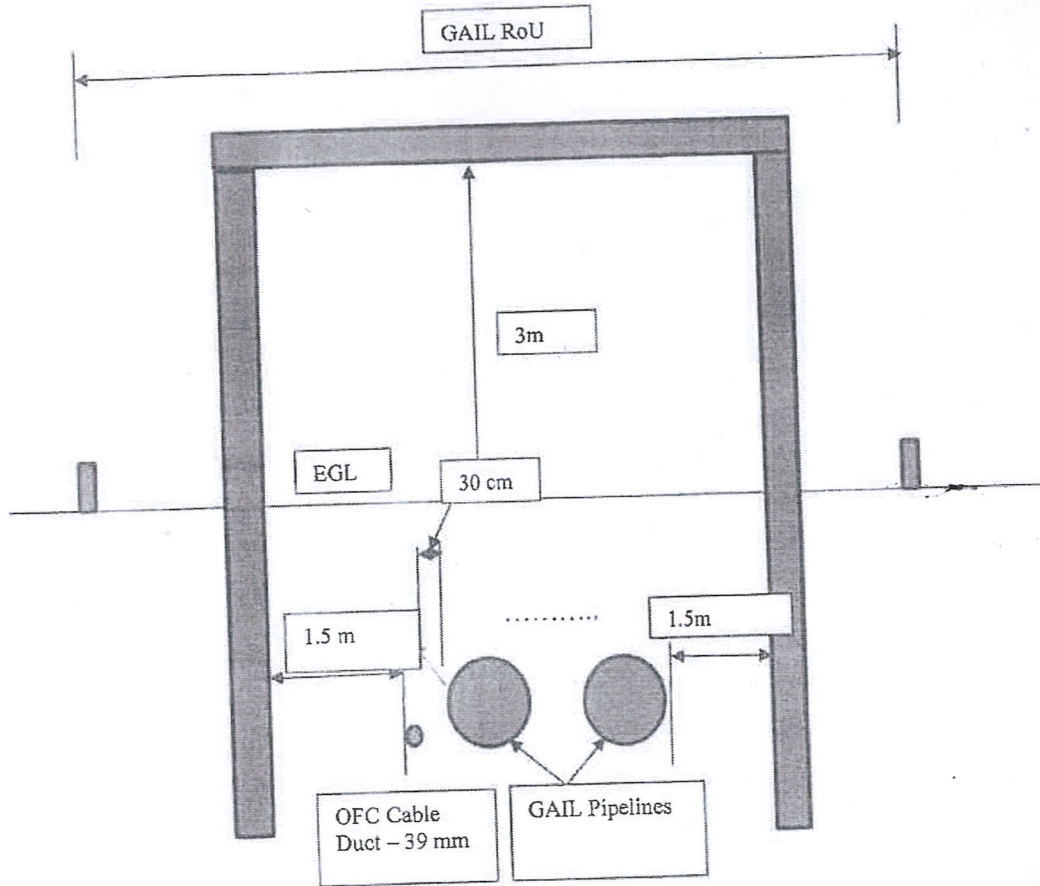
Date-

For Gail (India) Limited


Mr. Saurabh Garg
Chief Manager (NG P/L O&M))
GAIL (India) Limited, Dibiyapur

सौरभ गार्ग
SAURABH GARG
मुख्य प्रबन्धक (यांत्रिकी) / Ch. Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एचवीजेओ कंप्रेसर स्टेशन, दिबियापुर, अरिया (उ.प्र.)
HVJ Compressor Station, Dibiyapur, Auraya (U.P.)

Annexure A



PROPOSED RCC PORTAL STRUCTURE ACROSS GAIL'S ROU

Note:

- EGL – Existing Ground Level
- Clearance of minimum 1.5 m to be kept from outside edges of pipelines and OFC as shown above.
- In case of multiple pipelines, single portal (as shown above) or more than one portal as per site condition, can be built with minimum distance of 1.5 m from the outside edges of pipeline and OFC.

SITE ENGINEER
NHA, PIU,
GWALIOR

सौरभ गर्ग
SAURABH GARG

मुख्य प्रबन्धक (यांत्रिकी) / Ch Manager (Mech.)
गैल (इंडिया) लिमिटेड / GAIL (India) Ltd.
एचवी जेओ कंप्रेसर स्टेशन, दिवियापुर, अरुणा (छ.प्र.)
HVJ Compressor Station, Dibiyaour, Arunachal Pradesh (U.P.)

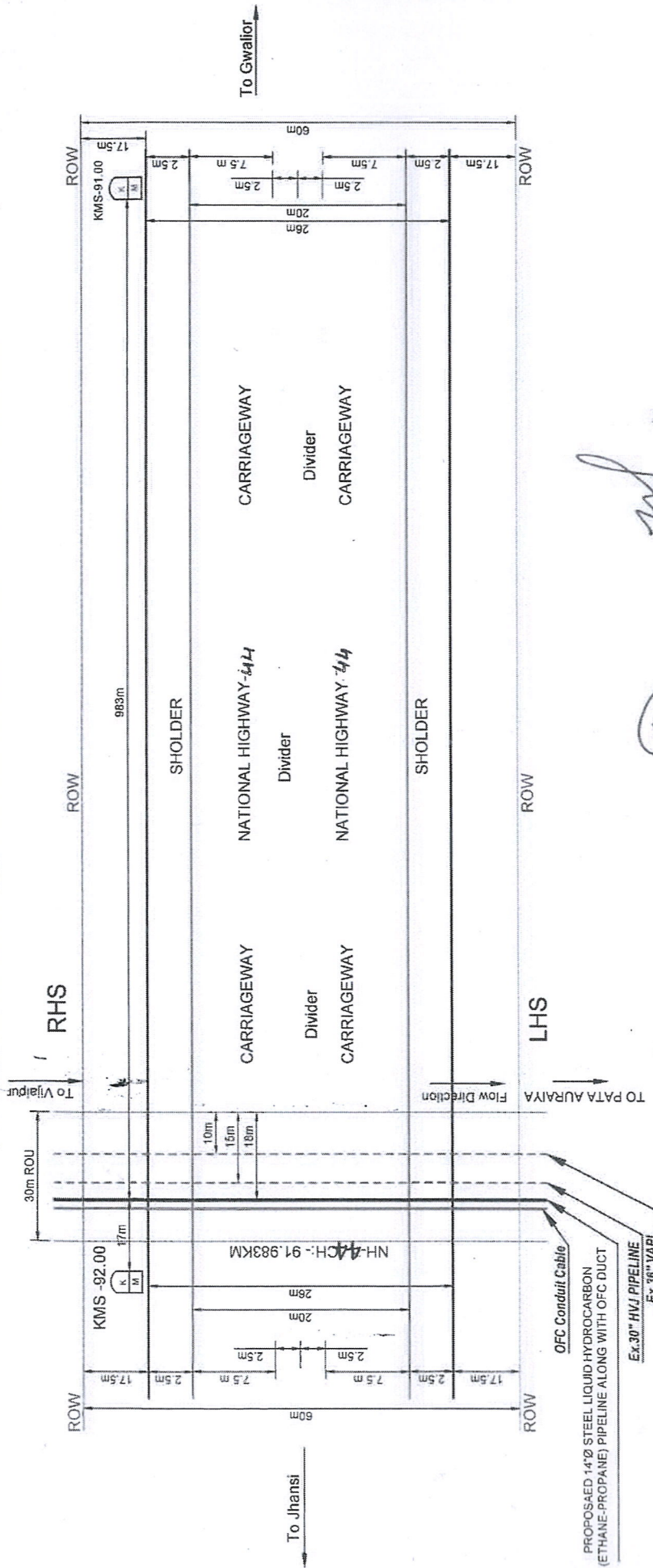
Manager (Tech.)

प.का.ई. (PIU)-भा.रा.रा.प्रा. (NHA)
ग्वालियर (म.प्र.)

Page 11 of 11



PROPOSED PIPELINE ACROSS NH-44 CH:- 91.983KM



SITE ENGINEER
NHAI, PIU,
Gwalior (M.P.)

PROJECT DIRECTOR
प.का.ई. (PIU)-मानसिंगा
ग.का.ई. (PIU)-मानसिंगा
ग.का.ई. (PIU)-मानसिंगा
ग.का.ई. (PIU)-मानसिंगा

SAURABH GARG
SAURABH GARG
SAURABH GARG
SAURABH GARG

- LEGENDS:-**
- ROW
 - PROPOSED 14"Ø STEEL LIQUID HYDROCARBON
 - OFC CONDUIT CABLE
 - Ex-30" HVJ PIPELINE
 - Ex-36" VAPL
 - NATIONAL HIGHWAY

NOT TO SCALE
ALL DIMENSION ARE IN METERS

ROUTE: NH-44
STRETCH: VIJAI PUR TO PATA
(ETHANE-PROPANE) PIPELINE
TITLE: PROPOSRD UNDERGROUND PIPELINE
PROPOSED BY : GAIL

GAIL (India) Limited.
Jubilee Tower
Plot No. 35 & 36, Sector-1,
Noida, Uttar Pradesh Pin No. 201 201

DESHPANDE - PATIL CONSULTANTS
DESHPANDE - PATIL CONSULTANTS
DESHPANDE - PATIL CONSULTANTS

CLIENT:-
GAIL (India) Limited.

PROPOSED BY : GAIL

SAURABH GARG
SAURABH GARG
SAURABH GARG
SAURABH GARG

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SAURABH GARG

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SAURABH GARG
SAURABH GARG
SAURABH GARG

LOCATION MAP

14" DIA. STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE
ALONG WITH OFC DUCT FROM VIJAPUR TO PATA (AURAIYA)

Signature
SAURABH GARG
Project Manager (Mech)
GAIL (India) Ltd
VIJAPUR, DISTRICT, AURAIYA (U.P.)

LEGEND

SYMBOL	DESCRIPTION
	Proposed route with TP
	Roads unmetalled/Other
	NH/SH
	Cart-track
	Railways broad gauge
	Railways other gauge
	Canal
	Stream
	Contours with heights
	River
	Pond
	Forest
	Development
	Temple, Mosque
	Habitat
	Tree
	Walks lined, unlined, OHT
	Power Line With Pylons
	Scrub
	Boundary state
	Boundary district
	Boundary tahsil
	Towns or Villages
	Industries
	Borewells
	Reserved/Protected forest
	Height triangulation
	Bench-mark
	Post office, Hospital, Dispensary
	Police station

ACROSS STATEMENT

Description	Along / Across	Chainage (m)	Length (m)
National Highway-44 (Jhansi - Gwalior)	Across	187592.55	187592.55
Along With OFC Duct From Vijapur To Pata (Auraiya)			80

LENGTH STATEMENT

SR. NO.	DESCRIPTION	SYMBOL	Length (km)
1	14" DIA. Steel Liquid Hydrocarbon (Ethane-Propane) Pipeline Along With OFC Duct From Vijapur To Pata (Auraiya)		351.701

GA	ISSUED FOR APPROVAL	REMARKS	DATE	BY

GAIL (India) Limited.

Plot No. 35 & 36, Sector-1
Noida, Uttar Pradesh Pin No. 201 301

14" DIA. STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE
ALONG WITH OFC DUCT FROM VIJAPUR TO PATA (AURAIYA)

VIJAPUR TO PATA (ETHANE-PROPANE) PIPELINE

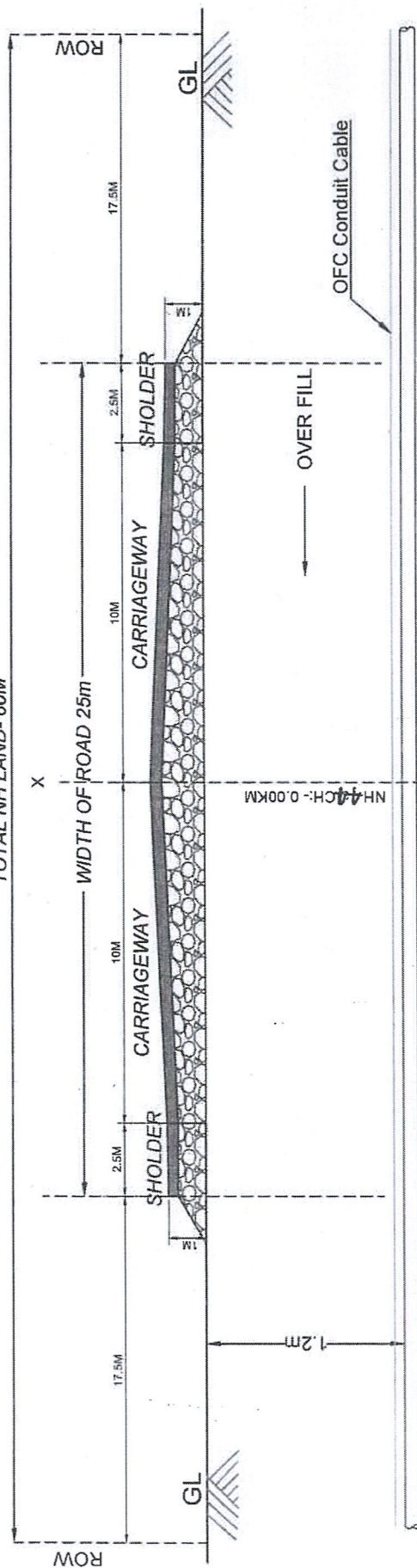
Location Map (NH-44)

DESHPANDE - PATIL CONSULTANTS

DESHPANDE - PATIL CONSULTANTS
PLOT NO. 10, SECTOR-10, NARAYAN PUR, BHILAI, CHHATTISGARH
PIN-491 001
PHONE: 031-2551111, 2551112, 2551113, 2551114, 2551115, 2551116, 2551117, 2551118, 2551119, 2551120, 2551121, 2551122, 2551123, 2551124, 2551125, 2551126, 2551127, 2551128, 2551129, 2551130, 2551131, 2551132, 2551133, 2551134, 2551135, 2551136, 2551137, 2551138, 2551139, 2551140, 2551141, 2551142, 2551143, 2551144, 2551145, 2551146, 2551147, 2551148, 2551149, 2551150, 2551151, 2551152, 2551153, 2551154, 2551155, 2551156, 2551157, 2551158, 2551159, 2551160, 2551161, 2551162, 2551163, 2551164, 2551165, 2551166, 2551167, 2551168, 2551169, 2551170, 2551171, 2551172, 2551173, 2551174, 2551175, 2551176, 2551177, 2551178, 2551179, 2551180, 2551181, 2551182, 2551183, 2551184, 2551185, 2551186, 2551187, 2551188, 2551189, 2551190, 2551191, 2551192, 2551193, 2551194, 2551195, 2551196, 2551197, 2551198, 2551199, 2551200, 2551201, 2551202, 2551203, 2551204, 2551205, 2551206, 2551207, 2551208, 2551209, 2551210, 2551211, 2551212, 2551213, 2551214, 2551215, 2551216, 2551217, 2551218, 2551219, 2551220, 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CS-01

TOTAL NH LAND-60M



14"Ø STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE
ALONG WITH OFC DUCT FROM VIJAIPUR TO PATA (AURAIYA)

TOP OF THE ROAD

OVER FILL

— OFC Conduit Cable

14"Ø STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE
ALONG WITH OFC DUCT FROM VIJAIPUR TO PATA (AURAIYA)

NOTE: ALL DIMENSION ARE IN m.

GAIL (India) Limited.

Subarea Tower
Plot No. 35 & 36, Section-1.

14" DIA. STEEL LIQUID HYDROCARBON (ETHANE-PROPANE) PIPELINE
ALONG WITH OEC DUCT FROM VALEURS TO DATA (ARRIVAL)

VIJAIPUR TO PATA (ETHANE-PROPANE) PIPELINE

TYPICAL CROSS SECTION OF NATIONAL HIGHWAY

DESHPANDE - PATIL CONSULTANTS

NAME: TOPOGRAPHIC SURVEYS DATE: 19/07/2019 LAB: ANALYSIS OF A SEASIDE CLIFF PROPOSED FOR

© 1998 by American Chemical Society, Washington, DC 20037-1502
 1. MANAYAN GADAM, INC. 500 BAYVIEW TERRACE, SUITE 201, GALLIARAT
 10001, ALABAMA 36605-1001. E-mail: manayan@chemnet.com

2000年12月15日

CO-ORDINATE		
Sr. No.	Crossing Location	Latitude Longitude
1.	NH 44	25°31'5.72" N 78°31'20.98" E

SECTION - X-X



Handwritten signature: *[Signature]*