

NHIDCL/RO-Agt/HighwayAdministration/383/737

Dated 12.01.2024

Invitation of Public Comments

Subject- Proposal seeking ROW permission for lying of 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-08 for proposed Agartala-Tulamura Natural Gas Pipeline in State of Tripura.

Ref:- (i) GM (P) PMU Khowai letter no. NHIDCL/PMU-Tel/37(2)/2020-21/1885 dated 08.01.2024.

(ii) IGGL/GHY/PI/PH-I/SKP/NH/2022 dated 30.12.2023

(iii) IGGL/AGT-TULM/N08/2023/01 dated 30.03.2023

Sir,

The GM(P) PMU -Khowai vide letter no. under ref. (i) has recommended the instant proposal, submitted by M/s Indradhanush Gas Grid Limited (IGGL) for seeking ROW permission for the above subjected proposal.

2. As per Ministry's Circular No. RW/NH- 33044/29/2015/S&R(R) dated- 22.11.2016, the proposal shall be put on 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/ objections of public of the above application is invited to the below mentioned address, which should reached by this office within 30 days for the date of publication beyond which no comments shall be entertained.

The Regional office

National Highways & Infrastructure Development Corporation Ltd.

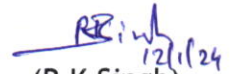
(Ministry of Road Transport & Highways, Government of India)

Regional Office 3rd floor, UD Bhawan, Shakuntala Road,

Agartala Tripura-799001, Email: edp-agartala@nhidcl.com

This issues with the approval of ED (P).

Encl:- As above


(R K Singh)
DGM (P)

Copy to: -

1. Sr. Technical Director, NIC MoRT&H New Delhi. With a request to upload this letter on Ministry's website in view of MoRT&H circular dated 22.11.2016.
2. GM (P) PMU-Khowai:- for information.

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3. **The Chief Project Manager, M/s Indradhanush Gas Grid Limited (IGGL);-** for information.
4. **Shri. Prabodh Kumar Sharma, GM (T), HQ NHIDCL** for kind information.
5. **NIC, Tripura-** with a request to circulate in public domain.

(R K Singh)
DGM (P)

NHIDCL/PMU-Tel/NOC/37(2)/2020-21/1885

Date: 28.01.2024

To

The Executive Director (P)
RO-Agartala, NHIDCL

Sub: Request for No Objection Certificate (NOC) for laying 12' Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala-Teliamura Natural Gas Pipeline (along with OFC) under NH 08-Reg.

Ref: (i) NHIDCL/PMU-Tel/NOC/35(2)/2020-21/582-83 dated 19.06.2023.
(ii) NHIDCL/PMU-Tel/NOC/35(2)/2020-21/427 dated 01.06.2023.
(iii) Email RO-Agartala dated 19.06.2023.
(iv) Online proposal no. 20230124/2/14/16642/2010 dated 01.05.2023.
(v) IGGL Letter no. IGGL/GHY/PL/PH-1/SKP/NH/2022 dated 24.06.2022.
(vi) IGGL Letter no. IGGL/GHY/PL/PH-1/SKP/NH/2022 dated 30.12.2023.

Sir,

With reference to the above cited subject, it is to state that, M/S Indradhanush Gas Grid Limited (IGGL) has submitted a proposal for seeking access permission for laying 12' dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-08 from proposed Agartala-Teliamura Natural Gas Pipeline (along with OFC) under NH-08. Accordingly, the same was forwarded with recommendation of this office vide letter cited under ref. (ii) for according necessary approval from the Competent Authority, RO-Agartala for deposition of license fee and PBG for further processing of the proposal. Thereafter vide email of NHIDCL, RO-Agartala dated 19.06.2022 it was directed by RO-Agartala to submit the PBG of Rs. 11,250/- and license fee of Rs. 62,966/- through Bharatkosh Portal due to some technical issues in the MORTH NOC Portal. Accordingly, the same was forwarded to the M/S Indradhanush Gas Grid Limited (IGGL) vide letter under ref. (i) for deposition of the requisite fees through Bharatkosh Portal.

2. In this context it is to mention that vide letter cited under ref. (v) dated 30.12.2023 the Concerned Gas Agency has submitted the following:

- (i) A system generated electronic receipt for license fee amounting to Rs. 62,966/- (through Bharatkosh) (copy enclosed).
- (ii) Receiving copy Original Performance Bank Guarantee no. 01400100002858 dated 19.10.2023 amounting to Rs. 11,250/-, submitted to NHIDCL, RO Agartala dated 11.12.2023 (copy enclosed).

3. In view of the above, it is requested to take necessary action on the proposal of M/S Indradhanush Gas Grid Limited (IGGL), seeking No Objection Certificate (NOC) for laying 12' Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala-Teliamura Natural Gas Pipeline (along with OFC) under NH 08.

Yours sincerely

Encl: -As stated above.


(RK Tindwal)

General Manager (Project)

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गेल, ओआईएल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NRL)



Ref: IGGL/GHY/PL/PH-I/SKP/NH/2022

Date: 30.12.2023

To,
The General Manager,
NHIDCL, PMU, Khowai
Tripura.

Subject: Request for NHIDCL crossing permission for laying IGGL 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-08 for proposed Agartala - Tulamura Natural Gas Pipeline Project (along with OFC) at Km 467.030 in Bankim Nagar village under NH-08.

Ref:

1. MORTH Online application ID 20230124/2/14/16642/2010 dated 01.05.2023.
2. IGGL Letter No. IGGL/GHY/PL/PH-I/SKP/NH/2022 dated 24.06.2022.
3. NHIDCL Demand letter No. NHIDCL/PMU-Tel/NOC/37(2)/2020-21/582-83 dated 19.06.2023.
4. License Fee Transaction Details and Receipt

Respected Sir,

Reference above-mentioned subject and NHIDCL demand Letter pertaining to IGGL pipeline crossing permission across NH, we would like to hereby inform you that, IGGL has already submitted the License Fee amounting Rs. 62,966/- through Bharatkosh Portal (**Online Paid Receipt Attached**) & we have also submitted the Original Performance Bank Guarantee No. 01400100002858 dated 19.10.2023 amounting Rs. 11,250/- to NHIDCL RO Office, Agartala on dated 11.12.2023 (**Receiving Copy attached**).

As this concerned Pipeline laying project is monitored by MoPNG and is of national importance and completion of project in due time frame is a matter of utmost priority. In this context, we would like request you to expedite the processing of crossing permission.

Looking forward for your kind cooperation and support for implementation of NEGG Project within stipulated time.

Thanking You

FOR INDRADHANUSH GAS GRID LIMITED

Dibakar Ghosh
Dibakar Ghosh
Deputy Chief Engineer
Indradhanush Gas Grid Ltd

Dibakar Ghosh
Deputy Chief Engineer (Projects)

पंजीकृत कार्यालय:

७ वीं मंजिल, एनआरएल केंद्र,
१२२ए, जीएस रोड,
क्रिश्चियन बस्ती,
गुवाहाटी, असम ७८१००५

Regd. Office:

7th Floor, NRL Centre,
122A, G.S. Road,
Christian Basti,
Guwahati, Assam 781005

वेबसाइट/Website: <https://iggl.co.in>

ईमेल/Email: info@iggl.co.in

फोन नंबर/Phone No.: +91 95311-01226

सीआईएन/CIN

U40300AS2018GOI018660



bharatkosh.gov.in
Government of India Receipt Portal

PROVISIONAL RECEIPT FOR NEFT TRANSACTION

Dear **INDRADHANUSH GAS GRID LIMITED**,

Thank you for making a payment of Rs. **62,966.00** with reference to Transaction Reference Number: **0410230041988** and Challan Number: **20211904102300041968** in favour of Ministry: **ROAD TRANSPORT & HIGHWAYS (024)**, PAO Name: **RPAO(NH),Guwahati (034921)**, DDO Name: **Regional Office, SE (202119)**, for Purpose **License fee for laying of utility services** and Payment type .

Please note that this is a provisional receipt subject to the validity of the UTR Number **P282230272313548** entered by you at **04/10/2023**. In case of mismatch of the UTR Number the validity of this provisional receipt stands cancelled.

Printed On: 28-12-2023 05:28:45

Courtesy :- Controller General of Accounts



AXIS BANK LIMITED

Sr. No. 14457621



AXIS BANK LIMITED
GUWAHATI [AS]
GUWAHATI [AS]
CHIBBER HOUSE G S ROAD,
DISPUR
GUWAHATI-781005

Ref.No: 01400100002858
Date : 07-12-2023

To,
EXECUTIVE DIRECTOR (P) NHIDCL
AGARTALA, TULAMURA, TRIPURA
799001

Dear Sir,

BG No. : 01400100002858
Date of Issue. : 19-10-2023
Name and Address of the Applicant: MS. INDRADHANUSH GAS GRID LIMITED
122A, G. S ROAD, CHRISTIA BASTI
GUWAHATI, KAMRUP
Date of Amendment : 06-12-2023
Amended Amount of BG : Rs. 11,250.00 (RUPEES ELEVEN THOUSAND TWO HUNDRED FIFTY ONLY)
Amended Expiry Date : 17-10-2024
Amended Claim Expiry Date : 17-10-2024

We forward herewith the amendment to the above Inland Bank Guarantee in original issued by us in your favour.

All other terms, conditions and clauses of original Bank Guarantee shall stand unaltered and remain in force till the date of expiry.

Please Note:

The beneficiary in their own interest should verify the genuineness of this guarantee from following office of the Bank.

AXIS BANK LIMITED
BG Confirmation Desk, Transaction Banking Operations
5th floor, Gigaplex, Building No 1, Plot No I.T.5,
MIDC, Airoli Knowledge Park, Airoli,
Navi Mumbai 400708 (Tel/Fax: 022-71315803)

BG confirmation can also be sought by sending email to ibg.confirmation@axisbank.com.

FOR AXIS BANK LIMITED

AUTHORISED SIGNATORY
NAME: Mritunjay Sharma
SS No. 29824



FOR AXIS BANK LIMITED

AUTHORISED SIGNATORY
NAME:
SS No. 31185



Encl: Amendment to Bank Guarantee Number 01400100002858

Registered Office: "TRISHUL", Opp. Samartheswar Temple, Near Law Garden, Ellisbridge, Ahmedabad - 380006.

<https://eforexprdidc.axisb.com/lcprint/bgamendcoverInsert.jsp>

12/7/2023



INDIA NON JUDICIAL

Government of Assam

e-Stamp

Certificate No.

Certificate Issued Date

Account Reference

Unique Doc. Reference

Purchased by

Description of Document

Property Description

Consideration Price (Rs.)

First Party

Second Party

Stamp Duty Paid By

Stamp Duty Amount(Rs.)

: IN-AS65730644638917V

: 06-Dec-2023 11:29 AM

: CSCACC (GV)/ ascscog07/ AS-KMRIT0151/ AS-KM

: SUBIN-ASASCSCEG0723003482060480V

: INDRADHANUSH GAS GRID LIMITED

: Article 5 Agreement or Memorandum of an agreement

: NA

: 0

: (Zero)

: AXIS BANK LTD

: INDRADHANUSH GAS GRID LIMITED

: INDRADHANUSH GAS GRID LIMITED

: 100

: (One Hundred only)



Amendment No.1 dated 06-Dec-2023

Bank Guarantee No: 01400100002858 dated 19-OCT-2023

Please write or type on this slip

To,
EXECUTIVE DIRECTOR (P) NHIDCL
AGARTALA, TULAMURA, TRIPURA
799001

Our Bank Guarantee No: 01400100002858 dated 19-OCT-2023 issued in your favour
on behalf of INDRADHANUSH GAS GRID LIMITED

For AXIS BANK LTD.
Guwahati Branch

Authorized Signatory

Mritunjay Sharma
SS No. 29824

Signature

Page 1 of 2



0018767561

For AXIS BANK LTD.
Guwahati Branch

Authorized Signatory

Amendment No.1 dated 06-Dec-2023
Bank Guarantee No: 01400100002858 dated 19-OCT-2023

With reference to our Bank Guarantee No.01400100002858 dated 19-OCT-2023 issued in your favour by us on behalf of **INDRADHANUSH GAS GRID LIMITED** has been amended as below:

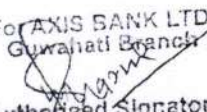
Particulars	Existing	To be read as
Last Para (Page 2 of 2)	We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand at Axis Bank, Guwahati Main Branch on or before 17.10.2024.	We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand at Axis Bank, Guwahati Main Branch OR AGARTALA BRANCH on or before 17.10.2024

All other terms and conditions of our original Bank Guarantee no.01400100002858 dated 19-OCT-2023 remains unchanged.

This amendment forms integral part of our aforesaid Bank Guarantee and should be presented along with the original Bank Guarantee.

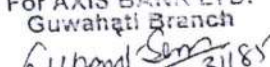
Notwithstanding anything contained herein above. 1.Our liability under this Bank Guarantee shall not exceed Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only) . 2.This Bank Guarantee shall be valid up to 17.10.2024. 3.We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand at Axis Bank, Guwahati Main Branch on or before 17.10.2024.

Date: 06-Dec-2023
Place: NEW DELHI

For AXIS BANK LTD.
Guwahati Branch

Authorized Signatory

Mritunjay Sharma
SS No. 29824



For AXIS BANK LTD.
Guwahati Branch

Authorized Signatory

e-Stamp

INDIAN – NON JUDICIAL GOVERNMENT OF DELHI

e-Stamp

Certificate No IN-DL84198511241342V
Certificate Issue Date 19-Oct-2023 07:10 PM
Account Reference No NESL (CR)/ DLSHCIL10/ NEHRU/ DL-DLH
Unique Doc. Reference DL1081INESL2023292307166
Purchased by INDRADHANUSH GAS GRID LIMITED
Property Description NOT APPLICABLE
Consideration Price (Rs) 11250.00
First Party INDRADHANUSH GAS GRID LIMITED
Second Party NHIDCL
Stamp Duty Paid By INDRADHANUSH GAS GRID LIMITED
Stamp Duty Amount (Rs) 100.00
Description of Doc. ARTICLE BANK GUARANTEE



BANK GUARANTEE NO: 01400100002858 DATED 19TH OCTOBER 2023

TO,
EXECUTIVE DIRECTOR, (P) NHIDCL,
AGARTALA, TULAMURA,
TRIPURA- 799001

Amount of Guarantee Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only)
Expiry Date – 17-10-2024
Claim Expiry Date – 17-10-2024

In consideration of agreement for laying Natural Gas Pipeline with OFC duct/cable from Agartala-Tulamura between Executive Director, (P) NHIDCL, RO-Agartala, Tripura (hereinafter referred to as "Beneficiary / Principal") and Indradhanush Gas Grid Limited, 7TH Floor, NRL CENTRE, Christian Basti, G.S. Road, Guwahati, Assam – 781005 (hereinafter called "Contractor"), we, **Axis Bank Limited**, a banking company incorporated under the Companies Act, 1956 and carrying on Banking Business under The Banking Regulation Act, 1949 and having its Registered Office at 'Trishul', 3rd Floor, Opposite Samartheshwar Temple, Law Garden, Ellis Bridge, Ahmedabad- 380 006, Gujarat and its Corporate office at Bombay Dyeing Mills Compound, Pandurang Budhkar Marg, Worli, Mumbai - 400025 and one of its branch office at **Axis Bank Limited** CHIBBER HOUSE G S ROAD, DISPUR GUWAHATI 781005, hereby undertake to pay the Principal an amount not exceeding **Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only)** against any loss or damage caused to or suffered by the Principal, by reasons of any breach of the terms or conditions contained in the said agreement.

We, Axis Bank Limited, do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on receipt of a demand from the Principal stating that amount claimed is on account of making good and executed trench for laying of underground natural Gas pipeline with OFC duct/cable of proper filling and compaction, as to restore the land in the same condition as it was before digging the trench, debris/loose earth produced due to execution of

Page 1 of 2

Signature Not Verified

Digitally signed by Aman Mishra
Date: 2023.10.19 19:25:43 IST
Reason: Agreement Executed
Location: Delhi

Signature Not Verified

Digitally signed by Santosh Kumar
Date: 2023.10.19 20:10:40 IST
Reason: Agreement Executed
Location: Delhi

BANK GUARANTEE NO: 01400100002858 DATED 19TH OCTOBER 2023

trenching. However, our liability under this guarantee shall be restricted to **Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only)** undertake to pay the Principal any money so demanded up to guaranteed amount notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating there our liability under this present being absolute and unequivocal. The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment there under and the contractor(s) shall have to claim against us for making such payments.

We, Axis Bank Limited further agree that the guarantee herein contained shall remain in full force and effect during the period would be taken for the performance of said agreement and that it shall be continued to be enforceable till all the dues of the Principal or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till the Principal, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor and accordingly discharges this guarantee or till **17.10.2024** whichever is earlier, we shall be discharged from our liabilities under this guarantee thereafter.

Bank Guarantee has been sent to Authority's Bank through SFMS gateway as per the details below: -

Sl. No.	Particulars	Details
1	Name of Beneficiary	National Highways & Infrastructure Development Corporation Limited Project account
2	Beneficiary Bank Account No.	79901010002266
3	Beneficiary Bank Name	Canara Bank
4	Beneficiary Bank Branch Name	Agartala Branch
5	Beneficiary Bank Branch IFSC Code	CNRB0017990
6	Beneficiary Bank Address	Canara Bank, Above RMS office, 1 st Floor, Durgabari Road, Agartala- 799001

The guarantee will not be discharged due to the change in the constitution of the bank or of the contractor.

We Axis Bank, lastly undertake not to revoke the guarantee during its currency except with the previous consent of the Principal in writing.

This bank guarantee is valid until **17.10.2024**

Our liability under this guarantee is restricted to **Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only)** and shall be valid up to **17-10-2024** and we are liable to pay the guaranteed amount or any part thereof under this guaranteed amount only and only if you serve upon a claim or demand in writing on or before **17-10-2024**.

Notwithstanding anything contained herein above.

1. Our liability under this Bank Guarantee shall not exceed **Rs.11,250/- (Rupees Eleven Thousand Two Hundred and Fifty Only)**.

2. This Bank Guarantee shall be valid up to **17.10.2024**.

3. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand at Axis Bank, Guwahati Main Branch on or before **17.10.2024**.

DATE: 19TH OCTOBER 2023

PLACE: NEW DELHI

Signature Not Verified

Digitally signed by Aman Mishra
Date: 2023.10.19 19:25:43 IST
Reason: Agreement Executed
Location: Delhi

Signature Not Verified

Digitally signed by Santosh Kumar
Date: 2023.10.19 20:10:40 IST
Reason: Agreement Executed
Location: Delhi

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गेल, ओ आई एल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NRL)



Ref: IGGL/GHY/PL/PH-I/SKP/NH/2022

Date: 30.12.2023

To,
The General Manager,
NHIDCL, PMU, Khowai
Tripura.

Subject: Request for NHIDCL crossing permission for laying IGGL 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-08 for proposed Agartala - Tulamura Natural Gas Pipeline Project (along with OFC) at Km 467.030 in Bankim Nagar village under NH-08.

Ref:

1. MORTH Online application ID 20230124/2/14/16642/2010 dated 01.05.2023.
2. IGGL Letter No. IGGL/GHY/PL/PH-I/SKP/NH/2022 dated 24.06.2022.
3. NHIDCL Demand letter No. NHIDCL/PMU-Tel/NOC/37(2)/2020-21/582-83 dated 19.06.2023.
4. License Fee Transaction Details and Receipt

Respected Sir,

Reference above-mentioned subject and NHIDCL demand Letter pertaining to IGGL pipeline crossing permission across NH, we would like to hereby inform you that, IGGL has already submitted the License Fee amounting Rs. 62,966/- through Bharatkosh Portal (**Online Paid Receipt Attached**) & we have also submitted the Original Performance Bank Guarantee No. 01400100002858 dated 19.10.2023 amounting Rs. 11,250/- to NHIDCL RO Office, Agartala on dated 11.12.2023 (**Receiving Copy attached**).

As this concerned Pipeline laying project is monitored by MoPNG and is of national importance and completion of project in due time frame is a matter of utmost priority. In this context, we would like request you to expedite the processing of crossing permission.

Looking forward for your kind cooperation and support for implementation of NEGG Project within stipulated time.

Thanking You

FOR INDRADHANUSH GAS GRID LIMITED

Dibakar Ghosh
Dibakar Ghosh,
Deputy Chief Engineer
Indradhanush Gas Grid Ltd

Dibakar Ghosh
Deputy Chief Engineer (Projects)

पंजीकृत कार्यालय:

७ वीं मंजिल, एनआरएल केंद्र,
१२२ए, जीएस रोड,
क्रिश्चियन बस्ती,
गुवाहाटी, असम ७८१००५

Regd. Office:

7th Floor, NRL Centre,
122A, G.S. Road,
Christian Basti,
Guwahati, Assam 781005

वेबसाइट/Website: <https://iggl.co.in>

ईमेल/Email: info@iggl.co.in

फोन नंबर/Phone No.: +91 95311-01226

सीआईएन/CIN

U40300AS2018GOI018660

NHIDCL/PMU-Tel/NOC/37(2)/2020-21/582-85

Date: 19.06.2023

To,

Chief Project Manager
Indradhanush Gas Grid Limited
5th Floor, Central Mall
G.S Road, Christian Basti
Guwahati Assam 781005
Email: - pankaj.patowary@iggl.co.in

Sub: Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala - Teliamura Natural Gas Pipeline (along with OFC) under NH-08 - reg.

Ref: - RO-Agartala Email dated 19.06.2023

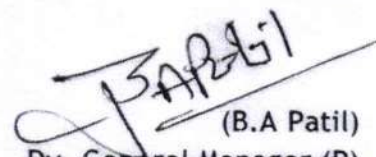
Sir,

With reference to the above cited subject, it is to state that as directed by RO-Office, Agartala, vide email dated 19.06.2023 under reference it is requested to submit the requisite, license fee amounting to Rs. 62,966.00/- through Bharatkosh Portal along with requisite PBG amounting to Rs. 11,250.00/- with validate for one year.

2. In view of the above, the undersigned is requested to submit aforesaid documents at the earliest for further processing of proposal.

Enclo: As stated

Yours Sincerely,


(B.A. Patil)
Dy. General Manager (P)
SO - Teliamura

Copy to: -

The Executive Director (Project), NHIDCL, RO-Agartala

:

for kind information

परियोजना प्रबंधन इकाई -खोवाई

राष्ट्रीय राजमार्ग और अवसंरचना विकास निगम लिमिटेड

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

PMU- Khowai

National Highways & Infrastructure Development Corporation Ltd.

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



BHARATMALA
ROAD TO PROSPERITY

भारत सरकार का उपक्रम

A GOVT OF INDIA UNDERTAKING

NHIDCL/PMU-Tel/NOC/37(2)/2020-21/ 427

Date - 01.06.2023

To

The Executive Director (P)
NHIDCL, RO-Agartala,

Sub: Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala - Teliamura Natural Gas Pipeline (along with OFC) under NH-08 - reg.

Ref: (i) PMU Khowai letter no. NHIDCL/PMU-Tel/NOC/37(2)/2020-21/204 dated 02.05.2023
(ii) RO-Agartala Email dated 13.05.2023
(iii) Ministry letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016
(iv) Ministry letter no NOC enhancement/NIC/MoRTH/2022/1 dated 13.05.2022
(v) Ministry letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023

Sir,

With reference to the above cited subject, it is to state that, M/s Inradhanush Gas Grid Limited (IGGL) has submitted a proposal for seeking access permission for laying 12" dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala - Teliamura Natural Gas Pipeline (along with OFC) under NH-08. Accordingly, the same has been examined with reference to the guidelines related to grant of permission for Retail Outlet along National Highways, issued by Ministry letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and forwarded the instant proposal to NHIDCL, RO-Agartala along with the necessary documents as per the Ministry Circular dated 22.11.2016 vide letter under ref. (i).

2. In this context, RO-Office vide email dated 13.05.2023 has sought a detailed calculation sheet for the License fee & PBG as per Ministry Circular dated 22.11.2016. Accordingly, the same has been calculated as per the Ministry Circular dated 17.04.2023 under ref. (v) and the detailed calculation sheet for the licence fee & PBG is enclosed at Annexure - "A" & "B" respectively.

3. In view of the above, it is to mention that the IGGL has uploaded the instant proposal in the MoRTH NOC portal and the same has also been forwarded to RO office through online mode. Moreover, it is to inform that due to some technical issue in MoRTH NOC portal it has been observed that the license fee status in the applicable fee details was not displaying in the submitted proposal in the online portal. In this regard, the proposal is herewith forwarded with recommendation for according necessary approval from the Competent Authority so, that the license fee and PBG can be paid accordingly for the further processing of the proposal.

Encl: - As stated above.

Yours sincerely


(R.K Tindwal)

General Manager (Project)

Email

RK TINDWAL

Fwd: Letter no. 427 dated 01.06.2023 regarding Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala – Teliamura Natural Gas Pipeline (along with OFC) under NH-08

From : RO Agartala <edp-agartala@nhidcl.com> Mon, Jun 19, 2023 07:20 PM
Subject : Fwd: Letter no. 427 dated 01.06.2023 regarding Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala – Teliamura Natural Gas Pipeline (along with OFC) under NH-08 3 attachments
To : RK TINDWAL <gmtripura@nhidcl.com>
Cc : JayPoddar <jay.poddar@nhidcl.com>, Bharat Kumar Patil <bharatkr.patil@nhidcl.com>

Sir,

Please refer the trailing mail. In this regard, based upon your recommendation, it is directed to submit the PBG of Rs. 11,250/- (Calculation Copy enclosed) & license fee of Rs. 62,966/- (Calculation copy enclosed) at the earliest.

2. Further, it has been highlighted by you that due to technical issues on MORTH NOC Portal the license fee status in the applicable fee details is not displaying in the submitted proposal. Accordingly, the requisite license fee may be deposited in Bharat-Kosh Portal.

3. Placing of subject proposal on public domain for 30 (thirty) days as per MoRTH circular is under process.

4. Submitted for kind information and necessary action.

Thanks & Regards,

Regional Office, Agartala, Tripura

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड

Please consider the environment before printing
कृपया धरती को बचायें. अति आवश्यक होने पर ही प्रिंट करें

From: "RK TINDWAL" <gmtripura@nhidcl.com>

To: "RO Agartala" <edp-agartala@nhidcl.com>

Cc: "Mani Bhushan" <mani.bhushan@nhidcl.com>

Sent: Wednesday, June 14, 2023 2:59:46 PM

Subject: Re: Letter no. 427 dated 01.06.2023 regarding Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala – Teliamura Natural Gas Pipeline (along with OFC) under NH-08

Sir

With reference to the trailing mail kindly find the License Fee Calculation Sheet as per Circular dated 24.04.2023

Thanks & Regards!

**National Highways & Infrastructure Development Corporation Limited
(NHIDCL)**

**PMU Office: Khowai,
Khowai District, Tripura.**

From: "RK TINDWAL" <gmtripura@nhidcl.com>

To: "RO Agartala" <edp-agartala@nhidcl.com>

Cc: "Mani Bhushan" <mani.bhushan@nhidcl.com>, "Ravindra kumar Singh" <ravindrak65.singh@nhidcl.com>

Sent: Thursday, June 1, 2023 3:15:09 PM

Subject: Letter no. 427 dated 01.06.2023 regarding Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed Agartala – Teliamura Natural Gas Pipeline (along with OFC) under NH-08


Sir,

Kindly find the attachment.

Thanks & Regards!

**National Highways & Infrastructure Development Corporation Limited
(NHIDCL)**

**PMU Office: Khowai,
Khowai District, Tripura.**

-  **GMP Letter.pdf**
360 KB
 -  **BG Calculation.pdf**
242 KB
 -  **License Fee.pdf**
304 KB
-

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गैस, ओआईएल तथा एन आर एल का एक संयुक्त उद्यम)
Indradhanush Gas Grid Limited
(A JV of IOCL, ONGCL, GAIL, OIL & NRI)



Ref.No. IGGL/AGT-TULM/NH08/2023/01

Date: 30.03.2023

To,
The General Manager (Projects)
PMU Khowai,
NHIDCL, Teliamura,
Tripura

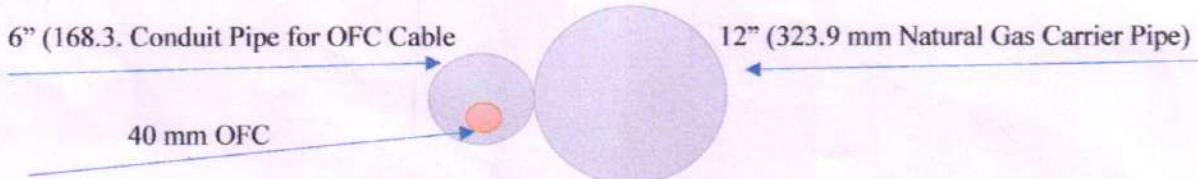
Sub: Permission/Clarification for laying 12" Dia underground Natural Gas Pipeline along with Optic Fiber Cable through RoU (Right of User) across

- Ref.: 1. NHIDCL/PMU-Tel/NOC/37(2)\2020-21/785 Dated:- 29.09.22.
2. (NHIDCL/PMU-Tel/NOC/37(2)\2020-21/1289 Dated:- 02.12.2022.
3. IGGL Emails dated on 28.11.2022 and 14.12.2022 attached.
4. Online MoRTH Application Details [20230124/2/14/16642/2010] dated on 24.03.2023

Sir,

Reference to the earlier letter and email communications, this is to inform you that, permission for NH08 Crossing by IGGL across Tulamura Agartala Natural gas Pipeline has been uploaded in MoRTH online portal vide Application Details [20230124/2/14/16642/2010] dated on 24.03.2023.

Furthermore an clarification has been sought from your good office regarding the diameter of the pipeline which will crossed across NH through Horizontal Directional Drilling (HDD) which is detailed below



DRAWING ATTACHED FOR REFERENCE

Reference to above mentioned drawing and attached cross sectional drawing, Bundle pulling of both pipes are done with HDD Method and the overall diameter stands at $(323.9+168.3) \text{ mm} = 492.2 \text{ mm}$ which has been rounded off to **500 mm**.

Thanking You,

For Indradhanush Gas Grid Limited,

Pankaj Patowary
Chief Project Manager



Chief Project Manager
Indradhanush Gas Grid Ltd.
122A, G.S.Road, Christian Basti
Guwahati, Assam- 781005

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल ओ एन जी सी एल गैस ओआईएल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NRL)



सन्दर्भ सं/Ref.No. IGGL/GHY/PL/PH-I/SKP/NH/2022/

दिनांक/ Date: 24.06.2022

To,

The General Manager (Project),
NHIDCL Khowai, Tripura.

Subject: Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC through ROU (Right of User) and across NH-8 for proposed **Agartala - Tulamura Natural Gas Pipeline Project** (along with OFC) under your jurisdiction area...

Dear Sir,

In line with the Hydrocarbon Vision 2030 & as per the directives of Govt. of India, a Joint Venture Company, named, **Indradhanush Gas Grid Ltd. (IGGL)** have been formed comprising five prestigious Public Sector Undertaking Companies i.e. IOCL, ONGC, GAIL, OIL & NRL, in order to develop, operate and maintain Natural Gas Pipeline Grid in North Eastern part of India along with associated infrastructure for supplying Natural Gas to various customers in the region. The pipeline grid would connect to State capitals of all States of North Eastern part of India i.e., Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura & Sikkim.

Aforesaid Pipeline grid would connect with GAIL's ongoing Barauni – Guwahati Natural Gas Pipeline in Guwahati (Assam) & ONGC's marginal Gas field en-route pipeline grid. This pipeline network will provide natural gas to industrial and commercial customers including Power / Fertilizers units & CGD networks in North – Eastern region. With commissioning of this Gas grid, industrial & economic growth of North Eastern region is expected to get significant boost and would also supplement efforts of Govt. of India for development of the region.

Total length of the pipeline is approximately 230 km in Tripura. The pipeline shall be laid at a depth of minimum 5.0 m below the natural ground level all along the pipeline ROU and it shall pass through the **NH-08** under your jurisdiction area.

The proposed pipeline along with OFC shall be laid across NH-08 under your kind jurisdiction at NH Km 467.030 in Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.

The pipeline shall be laid using trenchless method i.e. Horizontal Directional Drilling (HDD) methods as per latest OSID & API standards and company shall follow all the best standard of safety as prevailing in gas distribution industries and norms of PNGRB. Details of pipeline to be laid across National Highway is furnished below:

पंजीकृत कार्यालय:
5 वीं मंजिल, सेंट्रल मॉल
जीएस रोड, क्रिश्चियन बास्
गुवाहाटी असम 781005

Regd. Office
5th Floor, Central Mall
G S Road, Christian Basti
Guwahati Assam 781005

वेबसाइट/Website: <https://iggl.co.in>
ईमेल/Email: info@iggl.co.in
Phone No: +91 95311 01226

सीआईएन/CIN
U40300AS2018GOI018660
वेबसाइट/Website: <https://iggl.co.in>

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल ओ एन जी सी एल गैस, ओआईएल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NRL)



Sl. No.	Particulars	IGGL's PL Chainage (Km)	NH Chainage (Km)	Location of crossing
1	Pipeline laying across NH- 08 (Agartala to Tulamora Road)	3+604.63	467.030	In Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.

The following documents are attached for your reference:

1. Authorization granted by PNGRB for laying pipeline
2. Checklist along with relevant drawing / documents as per MoRTH guidelines for obtaining crossing permission.
3. Cross Section Drawing.
4. Route map showing pipeline alignment

For day to day monitoring and control of Pipeline operation through supervisory control and data acquisition (SCADA) system, a dedicated communication system is being considered along the pipeline, using optical fibre cable (OFC).

In view of above, you are requested to kindly inform the undersigned well in advance if any Joint Site visit is required. Further, we request you to kindly intimate us if any Government Fees, security Deposit, statutory charges etc. has to be paid. We assure you we shall deposit the same well in advance as per your demand letter and we also assure all safety measures shall be taken during the pipeline construction activity.

It may be worthwhile to note that the aforesaid Pipeline Project is of National importance and it is to be completed in the time bound manner.

In case you need any further information please feel free to write to us at mw.kyndiah@iggl.co.in

Thanking You,

For Indradhanush Gas Grid Limited,

Pankaj Patowary.
Chief Project Manager

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

Encl.: As above

पंजीकृत कार्यालय:
5 वीं मंजिल, सेंट्रल मॉल
जीएस रोड, क्रिस्टियन बास्
गुवाहाटी असम 781005

Regd. Office:
5th Floor, Central Mall
G.S. Road, Christian Bast
Guwahati Assam 781005

वेबसाइट/Website: <https://iggl.co.in>
ईमेल/Email: info@iggl.co.in
Phone No: +91 95311 01226

सीआईएन/CIN
U40300AS2018GOI018660
वेबसाइट/Website: <https://iggl.co.in>

INDEX

Sr. No.	Item	Page No.
1	Check List	
2	Permission request letter	
3	General Information (Annexure-A & Annexure-B)	
4	Methodology for laying of Natural Gas pipe line.	
5	MORTH Guidelines RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	
6	Draft License Agreement signed by two witnesses	
7	Undertakings	
a	Undertaking for Bank Guarantee	
b	Undertaking for not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	
c	Undertaking for Renewal of Bank Guarantee.	
d	Undertaking for Confirming all standard condition of Ministry Circulars and NHAI's guideline.	
e	Undertaking for Shifting of Natural Gas pipe line as and when required by NHAI at their own cost	
f	Undertaking for Indemnity against all damages and claims	
g	Undertaking for Traffic movement during laying of Natural Gas pipe line to be managed by the applicant.	
h	Undertaking for, If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	
i	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 applicable, before applying to Highway Administration.	
8	Power of Attorney to sign the agreement	
9	Copy of PNGRB approval	
10	Certificate by NH Authority	
11	Format for maintaining record of right of way permissions	
12	Cross section showing the size of pit and location of cable for HDD method	
13	Strip plan/ Route Plan showing Natural Gas pipe line, Chainage. Width of ROW, distance of proposed Natural Gas pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	

CHECK - LIST

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

- Relevant circulars of Ministry of Road Transport and Highways

Circular No. NH-III/P/66/76 dated 18/19.11.1976

Circular No. RW/NH-III/P/66/76 dated 11.5.1982

Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993

Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995

Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999

Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003

Circular No. RW/NH-33044/29/2015/S&R (R) 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, Carrying of sewage / **Gas pipelines** on highway Bridges shall not be permitted as Furmes / gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.

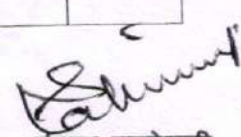
Services are not being allowed indiscriminately on the parapet / any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge.

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/NHIDCL/PWD/BRO.

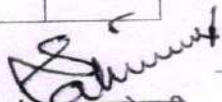
General Information		
1	Name and Address of the Applicant / Agency	Indradhanush Gas Grid Limited, 5 th Floor, Central Mall, Christian Basti, G.S. Road, Guwahati – 781005, Assam.
2	National Highway Number	NH-08
3	State	Tripura
4	Location	NH-08 at NH Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.
5	Chainage in km	Crossing of NH-08 at NH Km 467.030
6	Length in Meters (ROW)	45 Meters
7	(a) Left side from center line	22.5 Meters
	(b) Right side from center line	22.5 Meters
8	Name of Highway authority of NHAI /NHIDCL/PWD / BRO	NHIDCL Khowai
9	Highway Administration address	The General Manager, NHIDCL Khowai, District- Tripura


पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

Sr. No.	Item	Measurement observation as per site	MoRTH Norms	Weather complying MoRTH Norms (Y/N)
1	Details of already laid services, if any, along the proposed route	NA	RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	-
2	Whether up-gradation of the stretch in near future is proposed or not	Not	-do-	-
	(a) If yes, provision of utility adversely affect the plan of up-gradation	Not applicable	-do-	-
3	Laying of the utility service along the National Highways.			
3.1	Location of the proposed utility service along the stretch	Not applicable	-	-
3.2	Depth of top of utility service from ground level	Not applicable	-	-
3.3	Mechanism for crossing water channel	Not applicable	-	-
3.4	Whether ROW is restricted in this stretch?	Not applicable	-	-
3.4.1	If yes, whether provision of land acquisition is required to lay utility	Not applicable	-	-
	(a) If yes, whether undertaking for land acquisition along will relevant L.A. Details has been furnished	Not applicable	-	-
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts.	Not applicable	-	-
4	Laying utility services across to N.H.			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	No	-	-
4.2	Proposed crossing of utility service.	Natural Gas Pipeline & OFC	-do-	Yes
4.3	Type of casing pipe / conduit carrying the utility line.	12" Dia Steel Pipe	-do-	Yes
4.4	Whether ends of the casing / conduit pipe are sealed from the outside.	Not applicable	-do-	Yes
4.5	Length of casing / conduit pipe crossing N.H.	45 meters	-do-	Yes
4.6	Depth of top of the casing / conduit pipe.	Min 5.0 m	-do-	Yes
4.7	Crossing method in case of CC pavement.	Horizontal Directional Drilling method	-do-	Yes
4.8	Horizontal and vertical clearances in case utilities are allowed overhead.	Yes	-do-	--


 पंकज पाटोवारी
 Pankaj Patowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indradhanush Gas Grid Ltd.
 Guwahati-781005

5	Document/ Drawings enclosed with the proposal.			
5.1	Cross-Section showing the size of trench for open trenching method	NA	-	-
	(a) Trench width	NA	-	-
	(b) Filling of trench	NA	-	-
	(c) Location of trench	NA	-	-
5.2	Cross - Section showing the size of pit and location of conduit for HDD method	Drawing Enclosed	-do-	Yes
5.3	Strip plan/ Route plan showing utility line, Chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Drawing Enclosed	-do-	Yes
5.4	Plan and profile drawing of stretch showing Cross - Section of road at 20 m distance along with ROW and Proposed utility.	NA	-	-
6	Methodology for laying of utility line	Enclosed	-do-	Yes
7	Draft license Agreement is as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses	Enclosed	-do-	Yes
8	License fees in favor of MoRTH	We undertake to submit once the details are shared by NHIDCL	-do-	Yes
9	Whether Bank Guarantee has been obtained	-do-	-do-	Yes
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH / NHAI/ NHIDCL guidelines.	-do-	-do-	Yes
10	Affidavit / Undertaking from the Applicant for the following is to be furnished			
10.1	Undertaking for not to Damage to other existing utility, if damaged then to pay the losses either to NHAI/NHIDCL or to the concerned agency.	Enclosed	-do-	Yes
10.2	Undertaking for Renewal of Bank Guarantees and when asked by NHAI /NHIDCL/ MoRTH.	Enclosed	-do-	Yes
10.3	Undertaking for Confirming all standard condition of MoRTH / NHAI/NHIDCL guidelines.	Enclosed	-do-	Yes
10.4	Undertaking for Shifting of utility as and when asked by MoRTH / NHAI/NHIDCL within a month at their own cost.	Enclosed	-do-	Yes


 पंकज पाटोवारी
 Pankaj Patowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indradhanush Gas Grid Ltd.
 Guwahati-781005

10.5	Undertaking for indemnity against all damages and claims	Enclosed	-do-	Yes
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Enclosed	-do-	Yes
10.7	Undertaking that If any claim is raised by the Concessionaire / contractor then the same has to be paid by the applicant.	Enclosed	-do-	Yes
10.8	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 applicable, before applying to Highway Administration.	Enclosed	-do-	Yes
10.9	Undertaking to prior approval of NHAI/ NHIDCL shall be obtain before undertaking any work/installation/shifting/repairs/alterations to the utility line will be borne by the applicant agency owning the line			
10.10	Undertaking to expenditure if any incurred by NHAI/NHIDCL by repairing any damage cause to the NH by laying maintenance or shifting of the utility line will be borne by the applicant agency owing the line.			
10.11	Undertaking to text of the license deed is as per verbatim of MORTH format issue Vide Ministry's Circular No: RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.			
10.12	Undertaking if MORTH/NHAI/NHIDCL consider if necessary in future to move the utility line for any work improvement or repairs to the road , it will carried out as desired by the MORTH/NHAI/NHIDCL at the cost of agency owning the utility line with in reasonable time (not exceeding 60 Days) of the intimation given.			

The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

Signature

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Co. Ltd.
Guwahati-781006

Verified by

The General Manager (Project),
Khowai NHIDCL, .

ANNEXURE 'A'

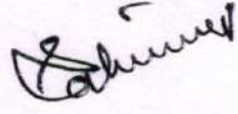
Details of Laying Underground Pipeline across National Highway

1.	(i)	Name of Company asking for Permission:	Indradhanush Gas Grid Limited
	(ii)	Full Address	5 th Floor, Central Mall, Christian Basti, G.S. Road, Guwahati – 781005, Assam.
	(iii)	Telephone no. and Fax	Tel.:
	(iv)	Details & purpose for laying the pipeline through NHAI/ NHIDCL land	Transportation of Natural Gas to Industrial and domestic use
	(v)	Any Other details regarding laying	
		(a) Distance of purposed site from the center of the road	N/A
		(b) Whether it is possible to lay the proposed lines or not (reasons)	Yes
		(c) Whether it is possible to cross the proposed lines through existing lines or not (reasons)	N/A
2.	Details Regarding road alignment where U/G Cable/Pipe is to be laid along the road		
	(i)	Name of Road	NH-08 (Agartola to Tulamora)
	(ii)	Category of road (to be ascertained from K.M. Stone on road side)	National Highway
	(iii)	Width of the road	
		(a) Formation width measured from earthen bank	38 Meter
		(b) Black Topped carriageway width	7 Meter
		(c) Road Boundary	45 Meter
(All these details are to be shown on the drawing also)			
		(d) Location of pipeline crossing	NH Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.
3.	Details to be supplied on layout drawings (6 sets)		Attached
4.	GEOGRAPHICS OF THE PIPELINE ROUTE		
	(a)	Dimension of the pipeline trench	Trenchless Technique (HDD Method)
	(b)	Dimension of Protection pipe	N/A
	(c)	Diameter of the pipeline	12"




पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

ANNEXURE 'A'

	(d)	Right of User	1 Meters
5.	(i)	This is to certify that no Govt. Road land shall be occupied by Indradhanush Gas Grid Limited except for the purpose of laying of U/G Cable / Pipeline	Acceptable
	(ii)	This is to certify that the work shall be in accordance with Govt. Rules and regulations in force from time to time and binding to Indradhanush Gas Grid Limited	Acceptable
	(iii)	This is to certify that all required cost and fees as per rules and regulation of Govt. will be deposited timely	Acceptable
		Date: Place:	<p>Authorized Signatory</p>  <p>Pankaj Patowary Chief General Manager</p>
			<p>पंकज पाटोवारी Pankaj Patowary मुख्य परियोजना प्रबंधक Chief Project Manager Indradhanush Gas Grid Ltd. Guwahati 781005</p>

ANNEXURE 'B'

Information to be furnished along with the proposal for laying of pipeline across the National Highways.

1.	Exact location of crossing with Chainage the National Highway and right of way of NH at crossing point	:	NH Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura. ROW of NH-08 is 45M (Total)
2.	Table Showing distance of Cable / pipe and ROW from centerline of Highway (Minimum distance of Cable / Pipe inside from edge of ROW edge)	:	Not Applicable
3.	Methodology of crossing in NH	:	Trenchless Method (HDD Method)
4.	Crossing details: Plan & Cross Section drawing showing depth of crossing at a minimum 5.0 m from existing ground with sealing ends of pipe.	:	Attached
5.	Route index plan along the Highway showing following A: Existing ROW of NH in yellow colour B : Cable / Pipe in red colour	:	Attached
6.	Undertaking that you shall take care of existing service lines that have been laid previously	:	Yes, Enclosed
	Date:		<p>Authorized Signatory</p>  <p>Pankaj Patowary Chief Project Manager</p>

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**HORIZONTAL DIRECTIONAL
DRILLING METHOD**

The Horizontal Directional Drilling Process


The tools and techniques used in the horizontal directional drilling (HDD) process are an outgrowth of the oil well drilling industry. The components of a horizontal drilling rig used for pipeline construction are similar to those of an oil well drilling rig with the major exception being that a horizontal drilling rig is equipped with an inclined ramp as opposed to a vertical mast. HDD pilot hole operations are not unlike those involved in drilling a directional oil well. Drill pipe and downhole tools are generally interchangeable and drilling fluid is used throughout the operation to transport drilled spoil, reduce friction, stabilize the hole, etc. Because of these similarities, the process is generally referred to as drilling as opposed to boring.

Installation of a pipeline by HDD is generally accomplished in three stages as illustrated in Figure 1. The first stage consists of directionally drilling a small diameter pilot hole along a designed directional path. The second stage involves enlarging this pilot hole to a diameter suitable for installation of the pipeline. The third stage consists of pulling the pipeline back into the enlarged hole.

Pilot Hole Directional Drilling

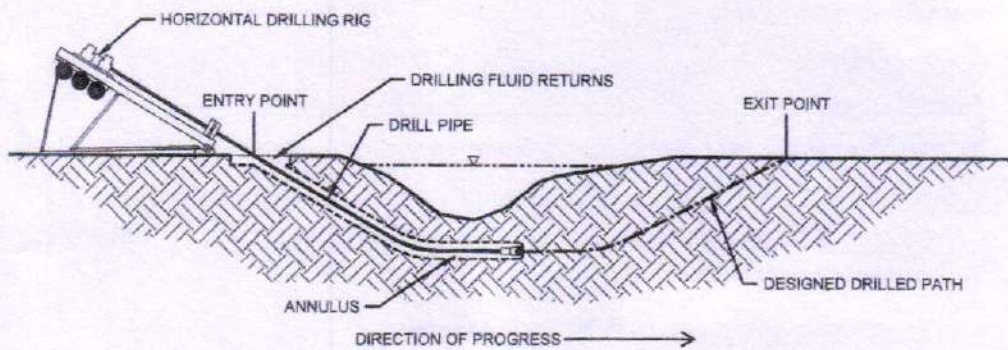
Pilot hole directional control is achieved by using a non-rotating drill string with an asymmetrical leading edge. The asymmetry of the leading edge creates a steering bias while the non-rotating aspect of the drill string allows the steering bias to be held in a specific position while drilling. If a change in direction is required, the drill string is rolled so that the direction of bias is the same as the desired change in direction. The direction of bias is referred to as the tool face. Straight progress may be achieved by drilling with a series of offsetting tool face positions. The drill string may also be continually rotated where directional control is not required. Leading edge asymmetry can be accomplished by several methods. Typically, the leading edge will have an angular offset created by a bent sub or bent motor housing. This is illustrated schematically in Figure 2.

It is common in soft soils to achieve drilling progress by hydraulic cutting with a jet nozzle. In this case, the direction of flow from the nozzle can be offset from the central axis of the drill string thereby creating a steering bias. This may be accomplished by blocking selected nozzles on a standard roller cone bit or by custom fabricating a jet deflection bit. If hard spots are encountered, the drill string may be rotated to drill without directional control until the hard spot has been penetrated.

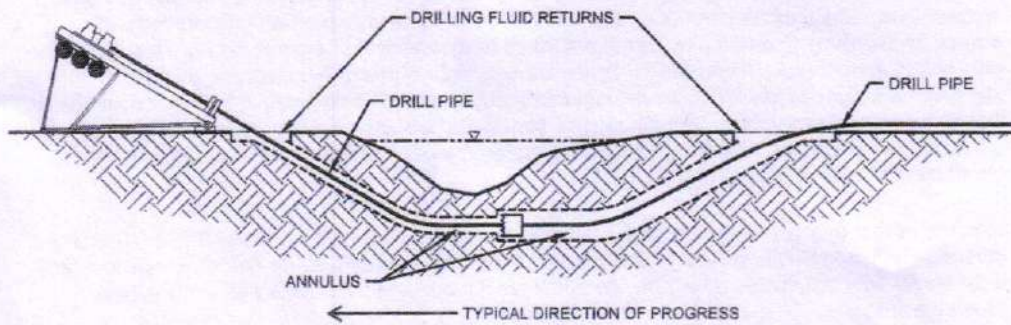


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PILOT HOLE



PREREAMING



PULLBACK

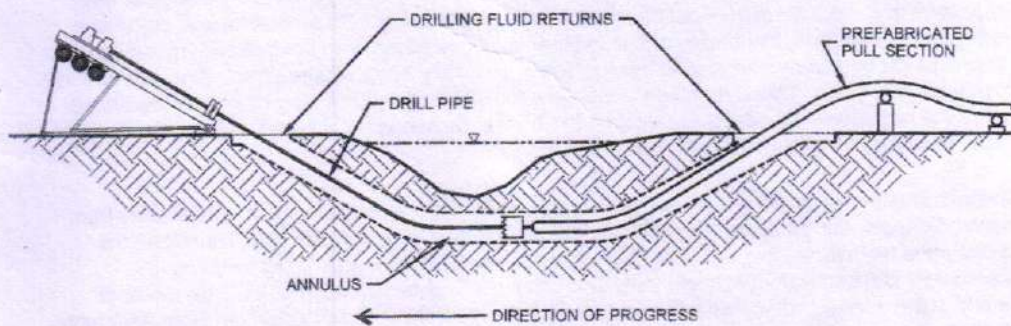


Figure 1
The HDD Process

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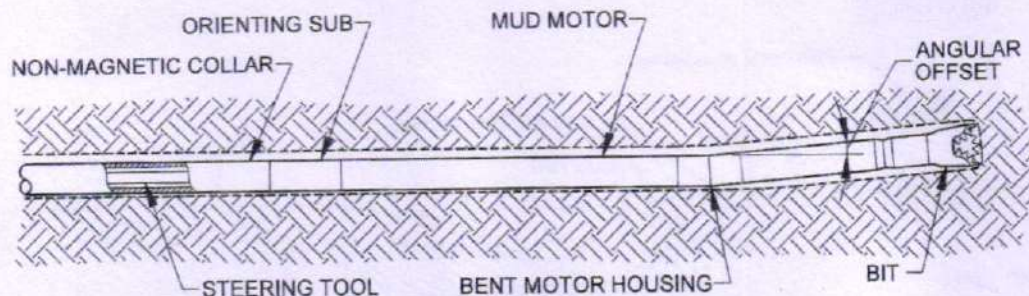


Figure 2
Bottom Hole Assembly

Downhole Motors

Downhole mechanical cutting action required for harder soils is provided by downhole hydraulic motors. Downhole hydraulic motors, commonly referred to as mud motors, convert hydraulic energy from drilling mud pumped from the surface to mechanical energy at the bit. This allows for bit rotation without drill string rotation. There are two basic types of mud motors; positive displacement and turbine. Positive displacement motors are typically used in HDD applications. Basically, a positive displacement mud motor consists of a spiral-shaped stator containing a sinusoidal shaped rotor. Mud flow through the stator imparts rotation to the rotor which is in turn connected through a linkage to the bit.

In some cases, a larger diameter wash pipe may be rotated concentrically over the non-rotating steerable drill string. This serves to prevent sticking of the steerable string and allows its tool face to be freely oriented. It also maintains the pilot hole if it becomes necessary to withdraw the steerable string.

Downhole Surveying

The actual path of the pilot hole is monitored during drilling by taking periodic readings of the inclination and azimuth of the leading edge. Readings are taken with an instrument, commonly referred to as a probe, inserted in a drill collar as close as possible to the drill bit. Transmission of downhole probe survey readings to the surface is generally accomplished through a wire running inside the drill string. These readings, in conjunction with measurements of the distance drilled since the last survey, are used to calculate the horizontal and vertical coordinates along the pilot hole relative to the initial entry point on the surface.

Azimuth readings are taken from the earth's magnetic field and are subject to interference from downhole tools, drill pipe, and magnetic fields created by adjacent structures. Therefore, the probe must be inserted in a non magnetic collar and positioned in the string so that it is adequately isolated from downhole tools and drill pipe. The combination of bit, mud motor (if used), subs, survey probe, and non magnetic collars is referred to as the Bottom Hole Assembly or BHA. A typical bottom hole assembly is shown as Figure 2.

Surface Monitoring

The pilot hole path may also be tracked using a surface monitoring system. Surface monitoring systems determine the location of the probe downhole by taking measurements from a grid or point on the surface. An example of this is the TruTracker System. This system uses a surface coil of known location to induce a magnetic field. The probe senses its location relative to this

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induced magnetic field and communicates this information to the surface. This is shown schematically in Figure 3.

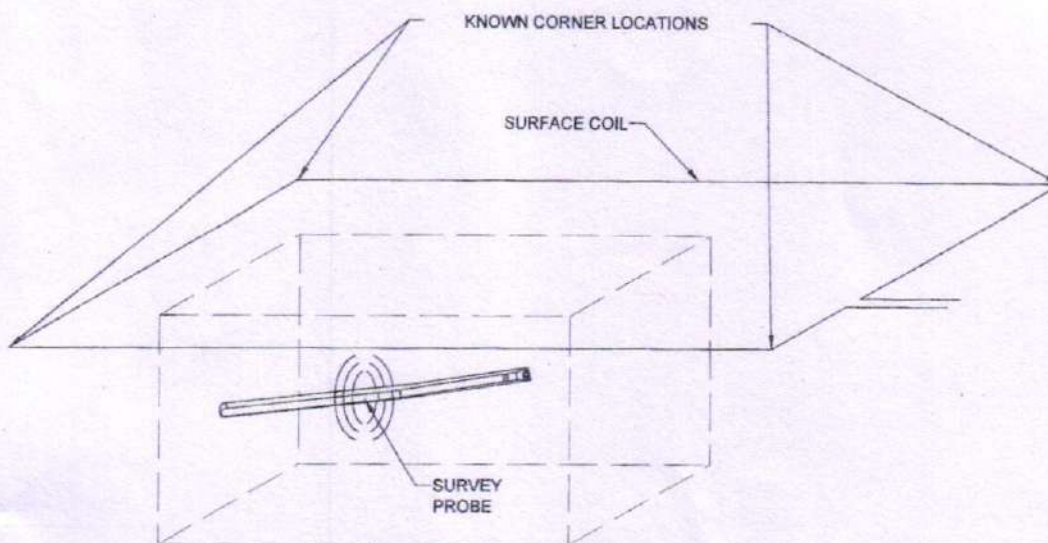


Figure 3
TruTracker Surface Monitoring System

Reaming & Pullback

Enlarging the pilot hole is accomplished using either prereaming passes prior to pipe installation or simultaneously during pipe installation. Reaming tools typically consist of a circular array of cutters and drilling fluid jets and are often custom made by contractors for a particular hole size or type of soil.

Prereaming

Most contractors will opt to preream a pilot hole before attempting to install pipe. For a prereaming pass, reamers attached to the drill string at the exit point are rotated and drawn to the drilling rig thus enlarging the pilot hole. Drill pipe is added behind the reamers as they progress toward the drill rig. This insures that a string of pipe is always maintained in the drilled hole. It is also possible to ream away from the drill rig. In this case, reamers fitted into the drill string at the rig are rotated and thrust away from it.

Pullback

Pipe installation is accomplished by attaching the prefabricated pipeline pull section behind a reaming assembly at the exit point and pulling the reaming assembly and pull section back to the drilling rig. This is undertaken after completion of prereaming or, for smaller diameter lines in soft soils, directly after completion of the pilot hole. A swivel is utilized to connect the pull section to the leading reaming assembly to minimize torsion transmitted to the pipe. The pull section is supported using some combination of roller stands, pipe handling equipment, or a flotation ditch to minimize tension and prevent damage to the pipe.

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**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
AN ISO 9001:2008 CERTIFIED MINISTRY**

S&R(R) ZONE

**IAHE Campus,
A-5, Sector-62,
Noida-201301.**

F. No. RW/NH-33044/29/2015/S&R(R)

Dated: 22nd November, 2016

To,

1. The Chief Secretaries of all the State Governments/ UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other centrally sponsored schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001

Subject: Accommodation of Public and Industrial Utility Services along and across National Highways – Policy guidelines regarding.

Sir,

The Government has realized that development of infrastructure across the Country on a sustainable and integrated manner continues to be an imperative for improving the state of economy, enhancing quality of life of the citizens and ensuring equitable development throughout the country.

Land being among the most precious of natural resources available, optimum utilization of land shall play a critical role in integrated development of infrastructure. One of the ways to effect such optimum utilization is leveraging land within National Highway (NH) Right of Way (ROW) for laying utility services. This may be achieved through granting permissions for laying utility services along and /or across the ROW. However, environment and safety of the road users are the prime factors in deciding permission for utility services. Permission may be denied, if it is not feasible to ensure safety and environment through requisite safeguards. The Administration of ROW, has been defined in the National Highway Land and traffic Control Act 2002 and relevant Rules 2004.

Keeping in view the need for consistency and clarity, in supersession of all the instructions contained in the earlier previous circulars on the subject, following guidelines shall apply for accommodation of Utility Services along and across National Highways.

2. Laying of Utility Services along the National Highways:

2.1 There shall be a provision for utility ducts for appropriate categories/combination of utilities in the construction of new/4-6 laning of National Highways. The ducts shall be located at appropriate location preferably as close to the extreme edge of ROW.

2.2 Utility services shall be laid in the utility ducts, if provided for the purpose.

2.3 In stretches where utility ducts have not been provided, the utility services shall be located, beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW as possible. While granting permission, requirement of up-gradation also needs to be kept in view.

Mamij Kumar

2.4 It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level.

2.5 No utility service shall be laid over existing culverts and bridges except through the utility ducts where such provision exists. In case of absence of such provisions, the Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed.

2.6 In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct in such case shall not be less than one lane. In such cases, it also needs to be ensured that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee as per the agreement.

3. Laying of Utility Services across the National Highway:

3.1 The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.

3.2 Existing drainage structures shall not be allowed to carry the lines across.

3.3 The utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable.

3.4 The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

3.5 In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm wider, (but not more than 60 cm wider), than the outer diameter of the utility pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

3.5.1 Bedding shall be to a depth 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 edges should be excavated and replaced by selected material.

3.5.2 The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

3.5.3 The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the modified 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.

3.5.4 The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

3.6 When utilities are allowed overhead, the horizontal and vertical clearance in accordance with the IRC shall be maintained.

4. Procedure for processing application for granting permission for use of highway land:
Any person who intends to obtain permission shall make an application online in the prescribed form to Highway Administration or an officer authorized by Highway Administration on his behalf. The application must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosives Safety Organization, Oil Industry Safety

Manoj Kumar

Directorate, State/Central Pollution Control Board and any other statutory clearances as applicable, which must be obtained by the Applicant before applying to the Highway Administration.

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). The permission for laying utility services is to be normally granted within 30 days from the day of closure of public objections and claims. If no communication is received from the Highway Administration within 30 days from the day of closure of public objections and claims, the permission shall be deemed to be granted. The initial permission would be valid for a maximum of 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged.

5. Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in **Annexure I**.

License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.

5.1 The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes).

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Outer diameter/width of the concerned utility line X length

5.2 The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters/ junction boxes etc.

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Projection of utility on the ground including area of support system/tower

However, for public utilities, area below the support system/tower shall only be charged.

5.3 Fee shall have to be paid in advance for the period for which permission is granted. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

5.4 A system to redress grievances and to consider relaxation from the guidelines, in exceptional cases, shall be notified separately and shall be effective from the date of notification.

6. All required restoration, maintenance work subsequent to laying of utility services shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. To process for the granting of permission and prior to signing of Lease agreement, a Performance Bank Guarantee for an amount based on per route metre with a validity of one year initially, in the prescribed format (extendable if required till satisfactory completion of work) shall have to be furnished by the utility service provider/ Licensee, as a security against improper restoration of ground in terms of

Manoj Kumar

filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc.;

Utility services such as pipes etc (rate in per m)

provided in the ducts already provided

Rs 50

<= 300 mm dia/width

Rs 100

> 300 mm dia/width but < =1000 mm

Rs 250

> 1000 mm

Rs 500

Utility services such as towers etc (rate in Rs per sq m)

Rs 100

In case the Licensee fails to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking.

Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

7. The Authority shall enter into a License Agreement with the respective utility service provider in the format enclosed (**Appendix**) including any other conditions imposed by Highway Administration, to ensure safe and uninterrupted flow of traffic. Post signing of the agreement, the utility service provider shall be designated as 'Licensee' for the purpose of this project and will be authorized to install and operate utility services within the NH RoW. However, utility services shall be made operational by the Licensee only after a completion certificate to the effect is issued by the Highway Administration.

Encls: As above.

Manoj Kumar

(Manoj Kumar)

**Executive Engineer(NFSG) (S,R&T) (Roads)
For Director General (Road Development) & SS**

Copy to:

1. All Technical Officers in the Ministry of Road Transport & Highways
2. All ROs and ELOs of the Ministry
3. The Secretary General, Indian Roads Congress
4. The Director, IAHE
5. Technical circular file of S&R (R) Section
6. NIC-for uploading on Ministry's website under "What's new"

Copy for kind information to:

7. PS to Hon'ble Minister (RTH&S)
8. PS to Hon'ble MOS (RTH&S)
9. Sr. PPS to Secretary (RT&H)
10. PPS to DG (RD) & SS
11. PPS to SS&FA
12. PS to ADG-I/ ADG-II
13. PS to JS (T)/ JS (H)/ JS (LA&C)/ JS (EIC)

Public Utility provider and Industrial infrastructure

A. Public Utility Provider

A **Public Utility Provider** in context of this Guideline shall mean any organization that provides and maintains the infrastructure for a public service like electricity, gas, water supply, telecom cables and sewage disposal subject to applicable regulation.

B. Eligible activities for Industrial Units or 'Industrial Infrastructure'

Industrial Infrastructure in context of this Guideline shall mean any physical infrastructure that is required to facilitate industrial operations and is constructed, operated and maintained along/across Right of Way of National Highways. Such infrastructure shall include the following:

- a. Underground & above ground pipelines including provisions for booster pumping facilities, maintenance bays and other required support infrastructure for transport of legally permitted materials for industrial usage by a business entity having valid license for industrial operations.
- b. Conveyor Belts including provisions for maintenance bays and other required support infrastructure for transport of legally permitted materials, by a business entity having valid license for industrial operations.
- c. Power cables/wires etc. meant for industrial usage by a business entity having valid license for industrial operations.
- d. Any other such associated industrial infrastructure facility.

Draft

Enclosure to Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015
/S&R(R) dated 22.11.2016.

AGREEMENT REGARDING GRANTING OF RIGHT OF WAY
PERMISSIONS

FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay Telecom cable / OFC cable / electrical cable / pipe line/ ducts etc.
from _____ to _____ Km of _____ land.

This Agreement made this _____ day of _____ (month) _____ of
(year) between _____ acting in his executive capacity through _____
(hereinafter referred to as the "Authority" which expression shall unless excluded by or
repugnant to the context, include his successors in office and assigns) on the one part, and
M/s _____, a company registered under the Companies Act, 1956 and having its
Registered Office at _____ (hereinafter called the "Licensee") which expression shall
unless excluded by repugnant to the context, include his successors/administrator assignees
on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of
lands in Km _____ to _____ of NH No. _____ RoW.

Whereas the Licensee proposes to lay Telecom cable / OFC cable / electrical cable /
pipe line / ducts etc. referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility
services from Km _____ to Km _____ of road/route up to _____
and from km _____ to km _____ of road/route up to _____.

And whereas the Authority has agreed to grant such permission for way leave on the
NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnesseth that in consideration of the conditions hereinafter
contained and on the part of the Licensee to be observed and performed, the Authority hereby
grants to the Licensee permission to lay utility services as per the approved drawing attached
hereto subject to the following conditions, namely.

1. RoW permissions are only enabling in nature. The purpose of extending the way
leave facility on the National Highway RoW is not for enhancing the scope of
activity of a utility service provider, either by content or by intent. Further,
enforceability of the permission so granted shall be restricted only to the extent of
provisions/scope of activities defined in the license agreement & for the purpose
for which it is granted.

2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfilment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. 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 least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth 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 edges should be excavated and replaced by selected material.

- b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping 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.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route metre / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;

21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches,

for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.

27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any

matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
 - a. operation, repair and maintenance guidelines given by the manufacturers,
 - b. the requirements of Law,
 - c. the physical conditions at the Site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.

43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHAI/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper, Each party to this Agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/S _____

(LICENSEE)

BY SHRI _____

(Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED _____

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. _____

DATED _____ PASSED BY HTE BOARD OF DIRECTORS IN THE
MEETING HELD ON _____

IN THE PRESENCE OF (WITNESSES):

1.

2.

Attachment-I

Enclosure to Ministry of Road Transport & Highways letter No RW/NH-33044/
29/2015) Sd(R) dated 22.11.16.

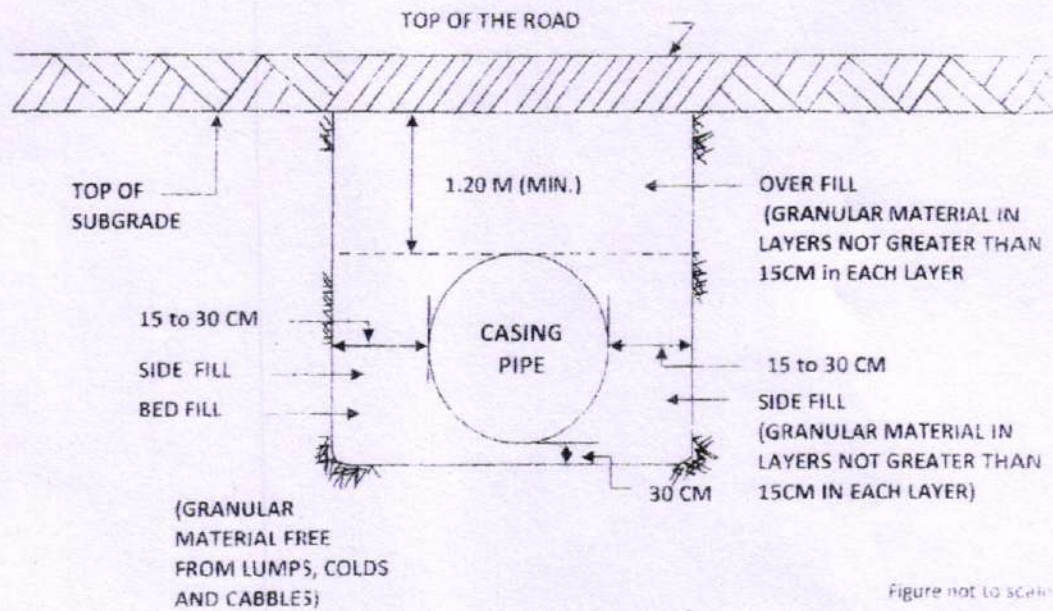


FIGURE-1 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD



असम ASSAM

F 054434

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY FOR
LAYING 12" DIA NATURAL GAS PIPE LINE ALONG WITH OFC ACROSS NATIONAL HIGHWAYS**

Agreement to lay Gas pipeline along with OFC at KM 467.030 across National Highway - 08 in at NH Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.

This Agreement made on this _____ day of _____ (month) of _____ year between acting in his executive capacity through the President of India / Ministry of Roads Transport and Highways (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part and Indradhanush Gas Grid Limited, 5th Floor, Central Mall, Christian Basti, G.S. Road, Guwahati – 781005, Assam. (hereinafter called the 'Licensee') which expression shall, unless excluded by or repugnant to the context, include his successors/administrator assignees on the second part.

Pankaj Patowary
पंकज पाटोयारी
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

WHEREAS the authority is responsible, inter-alia, for development and maintenance of land at Km 467.030 of NH - 08 ROW.

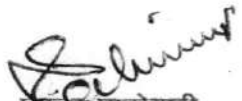
Whereas the Licensee proposes to lay 12" dia Natural Gas Pipeline along with OFC referred to as utility services in subsequent paras.

Whereas licensees has applied to the Authority for permission to lay utility services (Natural Gas Pipeline) at Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura..

And whereas the Authority has agreed to grant such permission for way leave on the NH ROW as per terms and conditions hereinafter mentioned.

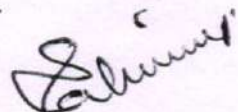
Now this Agreement witnesses that, in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the licensee permission to lay Gas pipeline as per the approved drawing attached hereto subject to the following condition, namely.

1. ROW permission are only enabling in nature. The purpose of extending the way leave facility on the National Highway ROW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provision/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim executive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption / damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs.-----/sq m / month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the Licensee, for laying of gas pipeline for infrastructure. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a


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separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the ROW. In case of restricted width of ROW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc. the utility services shall be laid beyond the toe line of the embankments and clear of the drains.
8. The Licensee shall make his own arrangements for crossing of cross drainage structures, rivers etc. below the bed. In case this is not feasible, the utility services may be carried outside the railings / parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
10. It is to be ensured that at no time is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.

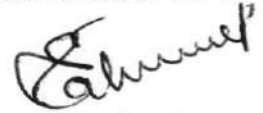

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13. The top of the casing / conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in attachment-I
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing / conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cm. wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - a. 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.
 - b. 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.
 - c. The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tamping 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.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highways Authority.
17. The licensee shall ensure making good the excavated trench for laying pipeline by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produce due to execution of trenching at least 50m away from the edge of the right of way.
18. All required restoration work subsequent to laying of the pipeline shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground a performance Bank Guarantee @ Rs. _____ per route meter / Rs. _____ per sq. m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the authority / its designated agency as a security against


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improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations / utility services & interference, interruption, disruption or failure caused thereof to any services etc. in case of the Licensee failing to discharge the obligation of making good of the excavated trench / other restoration work, the Authority shall have a right to make good the damages caused by the excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.


20. In case, the performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of the invoking. In case the work contemplated to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the ROW facility.
21. The licensee shall shift the Natural Gas pipe line within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift / relocate the Gas pipeline, in case it is so required for the purpose of improvement / widening of the road / route / highway or construction of flyover / bridges and restore the road / land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities / underground installations / facilities etc. The Licensee shall ensure the safety and security of already existing underground installations / facilities etc. before commencement of the excavation / using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damage to already existing underground installation / utilities / facilities etc.
23. The Licensee shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them / claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with Authority shall also have a right make good such damages/recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to



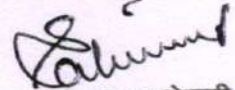
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execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench / other restoration work, the Authority shall have a right to make good damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform / give a notice to the concerned agency designated by the Authority at least 5 day in advance with route details prior to digging trenches, for fresh or maintenance / repair works. A separate Performance Bank Guarantee for maintenance / repair work shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The Licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying gas pipeline.
29. The permission for laying pipeline is granted maximum for 5 years at a time, which can be thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission if the concerned agency in co-ordination with the Authority.
32. The permission granted shall not any way be deemed to convey to the Licensee any ownership right or any interest in route / road / highway land / property, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charges on this Agreement.


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35. Three copies of 'as laid drawings' of utilities (hard copies) with geo-tagged photographs and geo-tagged video recordings of laying of pipeline in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of work.
36. The Licensee shall allow free access to the site at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency on co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
- a. Operation, repair and maintenance guidelines given by the manufacturers,
 - b. The requirements of Law,
 - c. The physical conditions at the site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed, if any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost to Licensee.
41. After the termination / expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose


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earth produced due to excavation of trenching at least 50m away from the edge of the ROW.

42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP projects, in case of any financial loss incurred by the respective project concessionaires due to such laying / shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaire. MoRT&H / NHAI/ NHIDCL implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a stamp paper, each party to this Agreement has retained one stamped copy each.

In Witness whereof the parties hereto have caused this agreement to be executed through their respective authorized representatives the day and the year first above written.

SIGNED, SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____
(Signature, name and address with stamp)

SIGNED ON BEHALF OF M/S INDRADHANUSH GAS GRID LIMITED (LICENSEE)


BY SHRI PANKAJ PATOWARY,
CHIEF PROJECT MANAGER

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

IN THE PRESENCE OF (WITNESSES):

1.

2.

भारतीय गैर न्यायिक

पचास
रुपये

रु.50



FIFTY
RUPEES

Rs.50

INDIA NON JUDICIAL

असम ASSAM

K 330956

UNDERTAKING

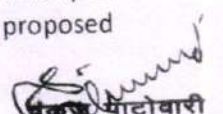
Sub.: Request for No Objection Certificate (NOC) for laying 12" Dia underground Natural Gas Pipeline along with OFC across NH-08 at Km 467.030 Village: Bankimnagar, Tehsil: Jirania, Circle: Jirania, Sub- Division: Jirania District: West Tripura in the state of Tripura.

IGGL is hereby undertake the following conditions under the clause no. 10 of checklist of MoRTH Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016:

Clause No. 10.1: IGGL is hereby undertake to take care of other existing utilities from any damage during construction, if damaged then to pay losses to either to MoRTH / NHAI / NHIDCL or concerned agency.

Clause No. 10.2: IGGL is hereby undertake, if the construction activity will not completed within the validity of Bank Guarantee to the satisfaction of NHAI/NHIDCL, Bank Guarantee shall be renewed till completion of construction activity as and when asked by NHAI / NHIDCL MoRTH.

Clause No. 10.3: IGGL is hereby confirm that we shall fulfil all slandered conditions of Ministry of Road Transport and Highway guidelines as well as NHAI's / NHIDCL's Circulars for the proposed pipeline laying across to NH-08.


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Indradhanush Gas Grid Ltd.
Guwahati-781005

Clause No. 10.4: IGGL is hereby undertake that in future if NHAI/ NHIDCL required or any expansion (Widening & lanning) in NH-08 near subject NH Chainage will be carried out and if needs to remove the pipeline from NH ROW, the same shall be removed / shift by IGGL at its own cost.

Clause No. 10.5: IGGL is hereby undertake that we shall take proper Insurance coverage (indemnity) for prospects damages and claims during pipeline laying across to NH-08 near subject NH Chainage.

Clause No. 10.6: IGGL is hereby undertake that pipeline shall be laid across NH-08 at subject location through HDD method (Trenchless method) without disturbing the upper surface and no traffic movement will affected during laying of pipeline.

Clause No. 10.7: IGGL is hereby undertake that if any claim raised by concessionaire / contractor for laying pipeline across to NH-08 at subject location then the same will be paid by IGGL.

Clause No. 10.8: IGGL is hereby undertaking to obtain various safety clearances and statutory clearances from the representative authorities (as applicable) before undertaking any work of installation, shifting or repairs or any alterations of Gas pipeline / any other utility located in the NH ROW at subject location.

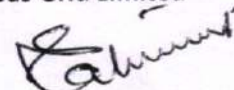
Clause No. 10.9: IGGL is hereby undertaking to prior approval of NHAI/ NHIDCL shall be obtain before undertaking any work/installation/shifting/repairs/alterations to the utility line will be borne by the applicant agency owning the line.

Clause No. 10.10: IGGL is hereby undertaking to expenditure if any incurred by NHAI/NHIDCL by repairing any damage cause to the NH by laying maintenance or shifting of the utility line will be borne by the applicant agency owing the line.

Clause No. 10.11: IGGL is hereby undertaking to text of the license deed is as per verbatim of MORTH format issue Vide Ministry's Circular No: RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

Clause No. 10.12: IGGL is hereby undertaking if MORTH/NHAI/NHIDCL consider if necessary in future to move the utility line for any work improvement or repairs to the road, it will carried out as desired by the MORTH/NHAI/NHIDCL at the cost of agency owning the utility line with in reasonable time (not exceeding 60 Days) of the intimation given.

For Indradhanush Gas Grid Limited



Pankaj Patowary
Chief Project Manager

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781006



Sl. No.... 292
Date.... 11/10/2020

E 713250

SPECIAL POWER OF ATTORNEY

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, **Shri Ajit Kumar Thakur**, Chief Executive Officer, **Indradhanush Gas Grid Limited (IGGL)**, Guwahati, a Joint Venture of Indian Oil Corporation Limited (IOCL), Oil & Natural Gas Corporation Limited (ONGCL), GAIL (India) Limited (GAIL), Oil India Limited (OIL) & Numaligarh Refinery Limited (NRL) and a Company duly incorporated and registered under the Companies Act, being the Act No. 1 of 1956 having its registered Office & Head Office at 5th Floor, Central Mall, Christian Basti, G.S.Road, Guwahati, Assam – 781 005 (hereinafter referred to as “the Corporation” for the sake of brevity).

AND WHEREAS in exercise of the power to execute a power of attorney and there under delegating and / or sub-delegating any one or more of the various powers and authorities conferred on me, I, **Shri Ajit Kumar Thakur**, Chief Executive Officer, **Indradhanush Gas Grid Limited**, Guwahati hereby nominate, appoint and constitute **Shri Pankaj Patowary**, Chief Project Manager, **Indradhanush Gas Grid Limited**, Guwahati for the following purposes:-

- 1) To sign all documents/ MoUs, Agreements/ Deeds required to be signed between Indradhanush Gas Grid Limited and Departments under Central Government/ State Governments (Assam, Arunachal Pradesh, Nagaland, Manipur, Meghalaya, Tripura, Mizoram, West Bengal and Sikkim) and Public Sector Undertakings, for example District Administration, PWD, Irrigation Department, Forest Department, Railways, Airport Authority of India, National Highway Authority of India etc. in respect of construction of:

[Handwritten signature]

Pranab Talukdar
NOTARY
Kamrup (Metro), Guwahati
Regd No KAM-09

- a. Guwahati-Numaligarh Pipeline, Gohpur-Itanagar Pipeline, Dergaon-Dimapur-Kohima-Imphal Pipeline including feeder Pipelines from ONGC Gas Sources in Assam, Arunachal Pradesh, Nagaland and Manipur.
- b. Guwahati-Panisagar Pipeline, Spurline to Shillong and Silchar including feeder pipelines from ONGC Gas Source in Assam, Meghalaya & Tripura.
- c. Panisagar-Agartala Pipeline, Panisagar-Aizawl Pipeline including Feeder lines from ONGC Gas Sources in Tripura and Mizoram
- d. Silguri-Gangtok Pipeline in West Bengal and Sikkim.

- 2) To consider and after obtaining due approvals from Competent Authority/ies negotiate/release/hold payment/s for any advance/ claim/ demand which is raised/ payable in connection and context of the stipulations of the MoUs/ Agreements entered into between Indradhanush Gas Grid Limited and Departments under Central Government/State Governments (Assam, Arunachal Pradesh, Nagaland, Manipur, Meghalaya, Tripura, Mizoram, West Bengal and Sikkim) and Public Sector Undertakings, for example District Administration, PWD, Irrigation Department, Forest Department, Railways, Airport Authority of India, National Highway Authority of India etc.

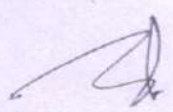
It is also advised that **Shri Pankaj Patowary, Chief Project Manager, Indradhanush Gas Grid Limited, Guwahati** holder of this Special Power of Attorney shall observe the following limitations on the powers delegated to him:-

- a. To not sub-delegate further the powers conferred hereinabove, under this SPoA.
- b. Original Power of Attorney shall be surrendered upon the completion of the purpose for which the Attorney has been given and/or event of transfer/retirement of relinquishment of the post or on ceasing to be the employee of the Corporation.
- c. The delegation shall not provide any additional financial powers to the delegates over and above to what they are entitled to as per the extant DOP.
- d. The delegation is being extended to facilitate administrative functions only.
- e. It needs to be also ensured that before executing documents or committing anything on behalf of the Corporation, particularly the items that could have financial implications, the delegatee should seek advice from his superiors and obtain appropriate requisite approvals.
- f. Any prior Power of Attorney held by the holder in the abovementioned context shall have to be surrendered/withdrawn and possession of dual Power of Attorney shall not be permissible.

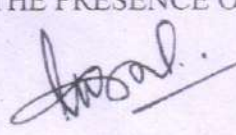
Pankaj Patowary
Pankaj Patowary
 NOTARY
 Kamrup (Metro), Guwahati
 Regd No KAM-09

And I, **Shri Ajit Kumar Thakur, Chief Executive Officer, Indradhanush Gas Grid Limited, Guwahati** and on behalf of **Indradhanush Gas Grid Limited** do hereby undertake to ratify and confirm all acts and whatsoever the said Attorney or his sub-delegates shall lawfully do or cause to be done in or about the premises aforesaid of the Corporation by virtue of these presents.

IN WITNESS WHEREOF, I, **Shri Ajit Kumar Thakur, Chief Executive Officer, Indradhanush Gas Grid Limited, Guwahati** have hereunto affixed my hand and seal this the 11th day of Oct, 2021.

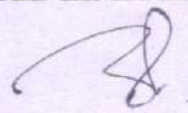

(**Shri Ajit Kumar Thakur**)
Chief Executive Officer

IN THE PRESENCE OF

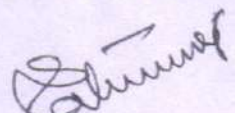

M. W. Kyndiah
DGM (P)

SPECIAL POWER OF ATTORNEY


(**Shri Ajit Kumar Thakur**)
Chief Executive Officer
INDRADHANUSH GAS GRID LIMITED


.....DONOR

I ACCEPT THE POWER HEREBY GIVEN


(**Shri Pankaj Patowary**)
Chief Project Manager
.....DONEE

Execution is admitted by parties
who are identified by Shri Ajit Kumar Thakur
Advocate on this 11th day of Oct
of 2021 at Guwahati


Pranab Talukdar
NOTARY
Kamrup, (Metro), Guwahati
Regd. No. KAM-09

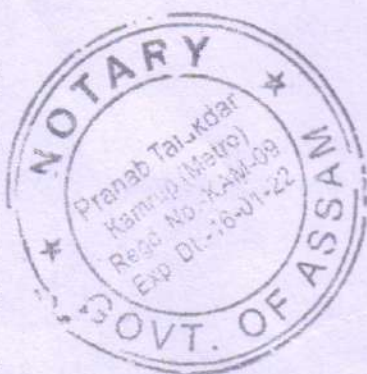
IDENTIFIED BY
Shri Pankaj Patowary
ADVOCATE, GUWAHATI
Date 11/10/21
ENRL No. 923



असम ASSAM

F 803671

SI. No.
Date 11/10/22



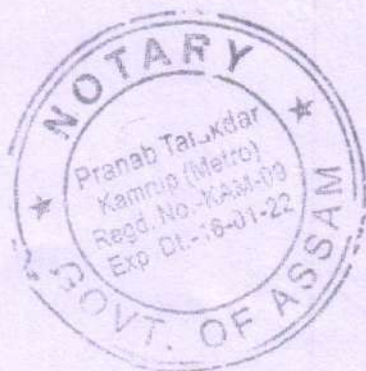
Pranab Talukdar
Pranab Talukdar
NOTARY
Kamrup, (Metro), Guwahati
Regd No KAM-09



असम ASSAM

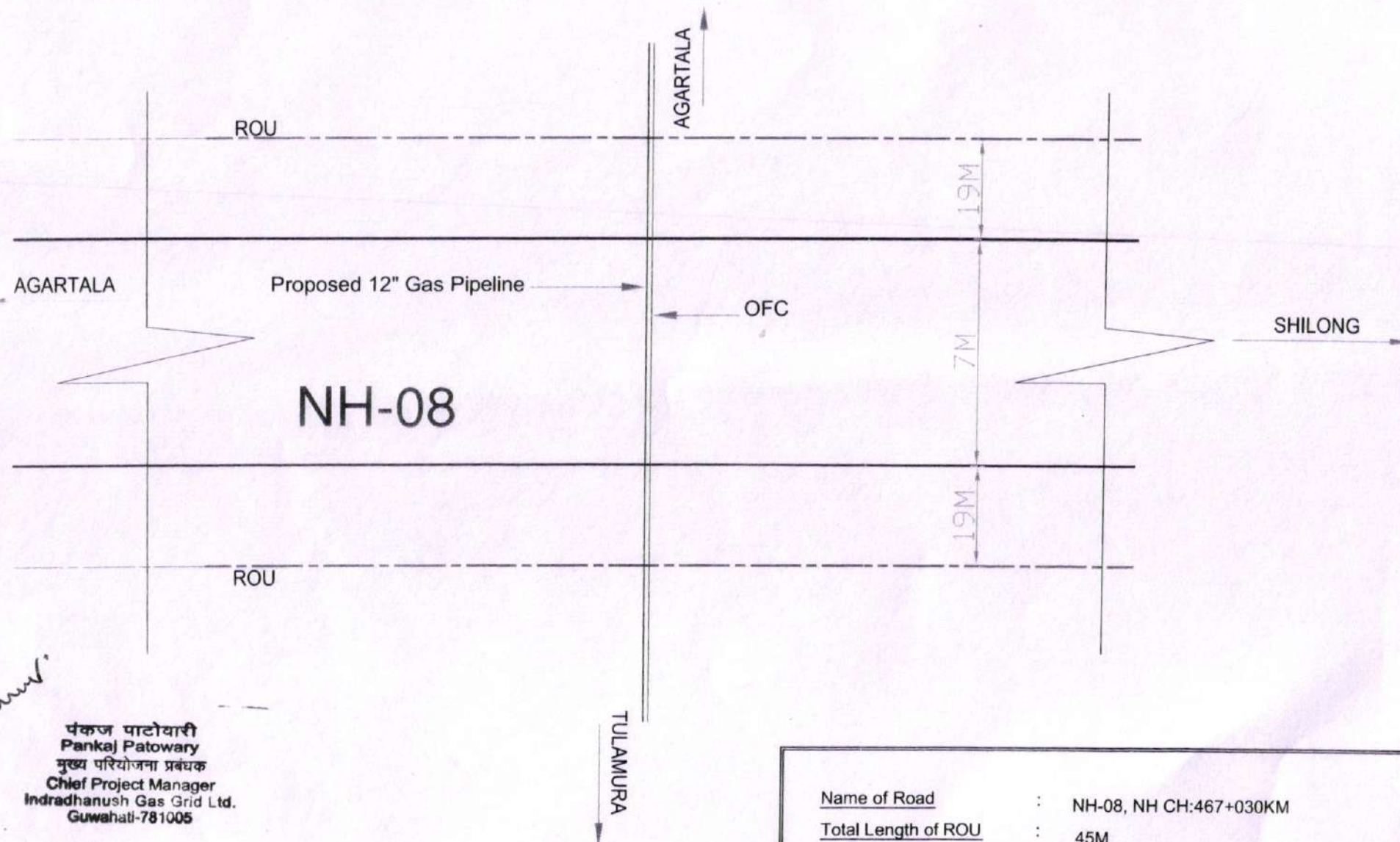
F 803674

Sl. No. 252
Date. 11/11/22



Pranab
Pranab Talukdar
NOTARY
Kamrup (Metro), Guwahati
Regd No KAM-09

NH-08, Agartala Tulamura 12" Gas Pipeline Along with OFC



Application Details [20230124/2/14/16642/2010]

Highway	NH8 [NH48]
Name of Highway Authority	
Highway Administration Address	
Name of Applicant/Oil Company	Indradhanush Gas Grid Limited Address: 5th Floor Central Mall G S Rd Christian Basti Guwahati Assam 781005, KAMRUP METRO (ASSAM), PIN: 781005 Phn: 9969220088 Email: pankaj.patowary@iggl.co.in
Application Category	Industrial Utility
Utility	Pipelines
State	TRIPURA
Type	New
Remarks	NH-08
Submitted On	24 Mar 2023 10:58:31


पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

Details	
1. Length in Meters *	45
2. Width of available ROW	
I. Left side from center line towards increasing chainage OR km direction *	22.5
II. Right side from center line towards increasing chainage OR km direction *	22.5
3. Proposal to lay the utility	
I. Left side from center line towards increasing chainage OR km direction *	0
II. Right side from center line towards increasing chainage OR km direction *	0
4. Proposal to acquire the land	
I. Left side from center line *	0
II. Right side from center line *	0
5. Whether proposal is in the same side where land is not to be acquired *	Yes
If not then where to lay the cable *	crossing
6. Details of already laid services if any along the proposed route *	NA
7. Number of Existing lanes *	4 Lane
8. Proposed number of lanes *	4 Lane
9. Service road Exists *	No


 Panitaj Petowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indradhanush Gas Grid Ltd.
 Guwahati-781005

10. Proposed Service road	
Left side from center line	0
Right side from center line	0
11. Whether proposal to lay cable is after the service road or between the service road and main carriageway *	N/A
12. Whether carrying OFC Cable has been proposed on highway /bridges, If yes then mention the methodology proposed for the same *	N/A
13. Is crossing of the road involved? If Yes, is shall be either encased in pipes or through structure of conduits specially built for the purpose at the expense of the agency owing the line *	yes
I. Whether the existing drainage structures are allowed to carry utility pipeline. *	NA
II. Is it on a line normal to NH? *	No
III. What is the distance of crossing the utility pipelines from the existing structure? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 mtrs. *	16.00


 Panikaj Patowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indradhanush Gas Grid Ltd.
 Guwahati-781005

IV. The casing pipe (or conduit pipe in the case of electric cable) line carrying the utility line shall be of steel, cast iron or reinforced concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casting. *

Carbon Steel Pipe

V. Ends of the casing/conduit pipe shall be sealed from outside, so that is does not act as a drainage path *

HDD Method

VI. The casing/conduit pipe should be as minimum extend from drain in cuts toe of slope in fills. *

NA

VII. The installation of Casing pipe shall be as per attachment-1 of Ministry's Guidelines dated 22.11.2016 *

Yes

VIII. Mention the methodology proposed for crossing of road for the proposed sewerage / gas pipeline crossing shall be boring method (HDD) (Trenchless Technology) specially where the existing road pavement is of cement concrete of dense bituminous concrete type. *

HDD Method

14. Whether the proposal satisfies the following:


पंकज पटवारी
Pankaj Patwary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

I. Where the ROW is more than 45 M then the duct cable shall be laid at the edge of right of way within the utility corridor of 2 M width, duly keeping in view the future widening. *

NA

II. Where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2 M width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 laning. *

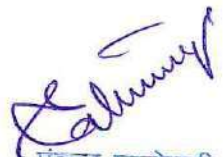
NA

III. Where the widening plan for 4 laning is not yet decided and available ROW is around 30 M or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 M to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans. *

NA

IV. Where 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 cable shall be laid clear of the drain. *

NA


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Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

V. Where land strip for utility corridor can't be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.

NA

15. Document/Drawings enclosed with the proposal *

Yes

I. Cross section showing the size of trench for open trenching method (is it normal size of 1.2m (min.) deep x 0.3 wide) *

NA

II. Cross section showing the size of pit and location of cable for HDD method *

Yes

III. Strip plan/ Route plan showing the OFC, Chainage width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc. *

Yes

IV. Methodology of laying of the Utility Pipeline/OFC *

Yes

V. 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 *

NA


 पंकज पाटोवारी
 Parkaj Patowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indraprastha Gas Grid Ltd.
 Gurgaon-751005

(a) The trench width should be at least 30 cms but not more than 60 cms wider than the outer diameter of the pipe *

NA

(b) For filling of the trench, bedding shall be to a depth of not less than 30 cms. It shall consist of granular material, free of lumps, clods, cobbles and graded to yiled firm surface without sudden change in the bearing value, unsuitable soil and rock edges should be excavated and replaced by selected material *


NA

(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

(d) The side fill shall consist of granular material laid in 15 cms, layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density as the material that has been removed. *

NA


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Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indrachanush Gas Field Ltd.
Guwahati-781003

(e) The road crust shall be built to the same strength as 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. *

NA

(g) If required, a diversion shall be constructed at the expense of agency owing the utility line. *

Yes

VI. Horizontal Directional Drilling (HDD) Method *

Yes

VII. Laying OFC through CD Works and Method of laying (Whether to be hung outside parapet). *

NA

16. Draft license Agreement signed by two witnesses. *

Yes

I. The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016. *

Yes

17. Whether Performance Bank Guarantee is as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R, dated 22.11.2016. *

Yes

I. Confirmation of BG has been obtained as per MoRTH guidelines *

Yes

18. Affidavit/Undertaking from the Applicant for following is to be furnished


राजेश पटोवारी
Rajesh Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

a) Undertaking not to Damage to other utility, if damage then to pay the losses either to NHAI or the concerned agency. *

Yes

b) Undertaking Renewal of Bank Guarantee as and when asked by MoRTH. *

Yes

c) Undertaking Confirming all standard condition of Ministry's guidelines. *

Yes

d) Undertaking for indemnity against all damages and claims *

Yes

e) Undertaking for management of traffic movement during laying of utility line without hampering the traffic *


Yes

f) Undertaking that if any claim is raised by the concessionaire/ contractor then the same has to be paid by the applicant. *

Yes

g) Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the utility located in the National Highway Right of Ways. *

Yes


पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781006

h) Undertaking that expenditure is any incurred by NHAI for repairing any damage cause to the NH by laying, maintenance of shifting of the utility line will be borne by the applicant agency owing the line. *

Yes

i) Undertaking that text of the license deal is as per verbatim of format issued by MoRTH vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016 *

Yes

j) Undertaking for shifting of utility as and when asked by MoRTH/ NHAI. *

Yes

k) Certificate from the applicant in the following format

l) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or/any other development

19. Who will sign the agreement on behalf of Applicant agency? Power of Attorney to sign the agreement is available or not. *

Pankaj Patowary

20. The Power of Attorney is in favour of authorized signatory? *

Yes


पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

Locations

Sno	State	District	Highway /Stretch	Start Point	End Point	View
1	TRIPURA	West Tripura	NH8 [NH48] (400.000-500.000) From Km: 467.03 To Km: 467.03	Chainage Point: 467.03 Lat: 23.818 Lng: 91.415	Chainage Point: 467.03 Lat: 23.818 Lng: 91.415	View

Documents

Sno	Stage	Document	Mandatory	Action
1	Under Submission	Layout and Drawings	Yes	View
2	Under Submission	Any Other Supporting Document	No	View
3	Under Submission	Any Document to indicate commercial activities are allowed on the land.	No	--
4	Under Submission	Safety Clearance from Directorate of Electricity	No	--
5	Under Submission	Safety Clearance from Chief Controller of Explosives	No	--
6	Under Submission	Safety Clearance from Petroleum and Explosives Safety Organisation	No	--
7	Under Submission	Safety Clearance from Oil Industry Safety Directorate	No	--
8	Under Submission	Safety Clearance from State/Central Pollution Control Board	No	View
9	Under Submission	Any Other Statutory Clearance as applicable	No	--

Applicable Fee Details

Sno	Fee Head	Stage	Fee	Amount	Status
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 पंकज पाटोवारी
 Pankaj Patowary
 मुख्य परियोजना प्रबंधक
 Chief Project Manager
 Indradhanush Gas Grid Ltd.
 Guwahati-781005

Location

Detail Form

Documents

Preview

Fees

Industrial Utility Application Form [20230124/2/14/16642/2010]

Sno	Fee Head	Stage	Fee	Amount	Action
1	Utility Fees	Technical Approval	License Fees	23178.15	--

***Please do not make another payment, if money has been deducted from your A/c. Use 'Check Transaction Status' option for payment confirmation or contact Admin if no response is received within 48 hours


पंकज पाटीवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Gurgaon-781005

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गेल, जे आई एल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NPL)



CERTIFICATE

IGGL is hereby certify We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost not withstanding the permission granted within such time us will be stipulated by NHAI for future six laning or/any other development

For Indradhanush Gas Grid Limited

Pankaj Patowary
Chief Project Manager

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

पंजीकृत कार्यालय:

७ वीं मंजिल, एनआरएल केंद्र,
१२२ए, जीएस रोड,
क्रिश्चियन बस्ती,
गुवाहाटी, असम ७८१००५

Regd. Office:

7th Floor, NRL Centre,
122A, G.S. Road,
Christian Basti,
Guwahati, Assam 781005

वेबसाइट/Website: <https://iggl.co.in>

ईमेल/Email: info@iggl.co.in

फोन नंबर/Phone No.: +91 95311-01226

सीआईएन/CIN

U40300AS2018GOI018660

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गैस, ओ आई एल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGCL, GAIL, OIL & NGL)



UNDERTAKING

IGGL is hereby undertake the following conditions under the clause no. 18 of checklist of MoRTH Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 submitted online:

- IGGL is hereby undertake not to Damage to other utility, if damage then IGGL shall pay the losses either to NHAI or the concerned agency.
- IGGL is hereby undertake for Renewal of Bank Guarantee as and when asked by MoRTH / NHIDCL.
- IGGL is hereby confirm that we shall fulfil all slandered conditions of Ministry of Road Transport and Highway guidelines as well as NHAI's Circulars for the proposed pipeline laying across to NH.
- IGGL is hereby undertake that we shall indemnity against all damages and claims to NHIDCL or the concerned agency during pipeline laying across to NH near subject NH Chainage.
- IGGL is hereby undertake that we shall take care management of traffic movement during laying of utility line without hampering the traffic.
- IGGL is hereby undertake that if any claim raised by concessionaire / contractor for laying pipeline across to NH at subject location then the same will be paid by IGGL.
- IGGL is hereby undertake that, prior approval of the NHIDCL shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the utility located in the National Highway Right of Ways.
- IGGL is hereby undertake that, expenditure is any incurred by NHIDCL for repairing any damage cause to the NH by laying, maintenance of shifting of the utility line will be borne by the IGGL.
- IGGL is hereby undertake that, text of the license deal is as per verbatim of format issued by MoRTH vide circular no.RW/NH/33044/29/2015/S&R dated 22.11.2016.
- IGGL is hereby undertake that for shifting of utility as and when asked by MoRTH/ NHIDCL.

For Indradhanush Gas Grid Limited

Pankaj Patowary
Chief Project Manager

पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005

पंजीकृत कार्यालय:

७ वीं मंजिल, एनआरएल केंद्र,
१२२ए, जीएस रोड,
क्रिश्चियन बस्ती,
गुवाहाटी, असम ७८१००५

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Guwahati, Assam 781005

वेबसाइट/Website: <https://iggl.co.in>

ईमेल/Email: info@iggl.co.in

फोन नंबर/Phone No.: +91 95311-01226

सीआईएन/CIN

U40300AS2018GOI018660

इंद्रधनुष गैस ग्रिड लिमिटेड

(आई ओ सी एल, ओ एन जी सी एल, गैल, ओआईएल तथा एन आर एल का एक संयुक्त उद्यम)

Indradhanush Gas Grid Limited

(A JV of IOCL, ONGC, GAIL, OIL & NGL)



Ref.No. IGGL/AGT-TULM/NH08/2023/01

Date: 30.03.2023

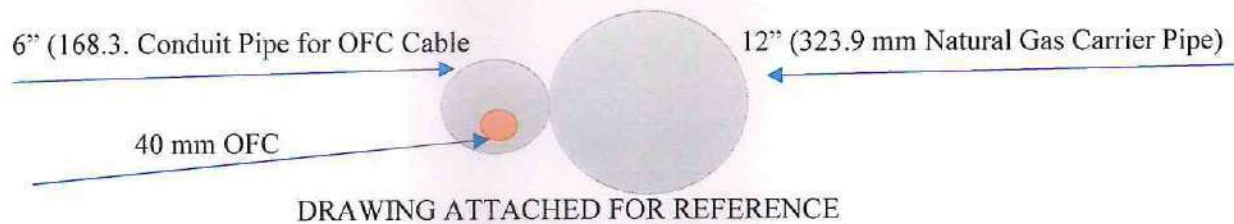
To,
The General Manager (Projects)
PMU Khowai,
NHIDCL, Teliamura,
Tripura

Sub: Permission/Clarification for laying 12" Dia underground Natural Gas Pipeline along with Optic Fiber Cable through RoU (Right of User) across

- Ref.: 1. NHIDCL/PMU-Tel/NOC/37(2)\2020-21/785 Dated:- 29.09.22.
2. (NHIDCL/PMU-Tel/NOC/37(2)\2020-21/1289 Dated:- 02.12.2022.
3. IGGL Emails dated on 28.11.2022 and 14.12.2022 attached.
4. Online MoRTH Application Details [20230124/2/14/16642/2010] dated on 24.03.2023

Sir,

Reference to the earlier letter and email communications, this is to inform you that, permission for NH08 Crossing by IGGL across Tulamura Agartala Natural gas Pipeline has been uploaded in MoRTH online portal vide Application Details [20230124/2/14/16642/2010] dated on 24.03.2023.
Furthermore an clarification has been sought from your good office regarding the diameter of the pipeline which will crossed across NH through Horizontal Directional Drilling (HDD) which is detailed below

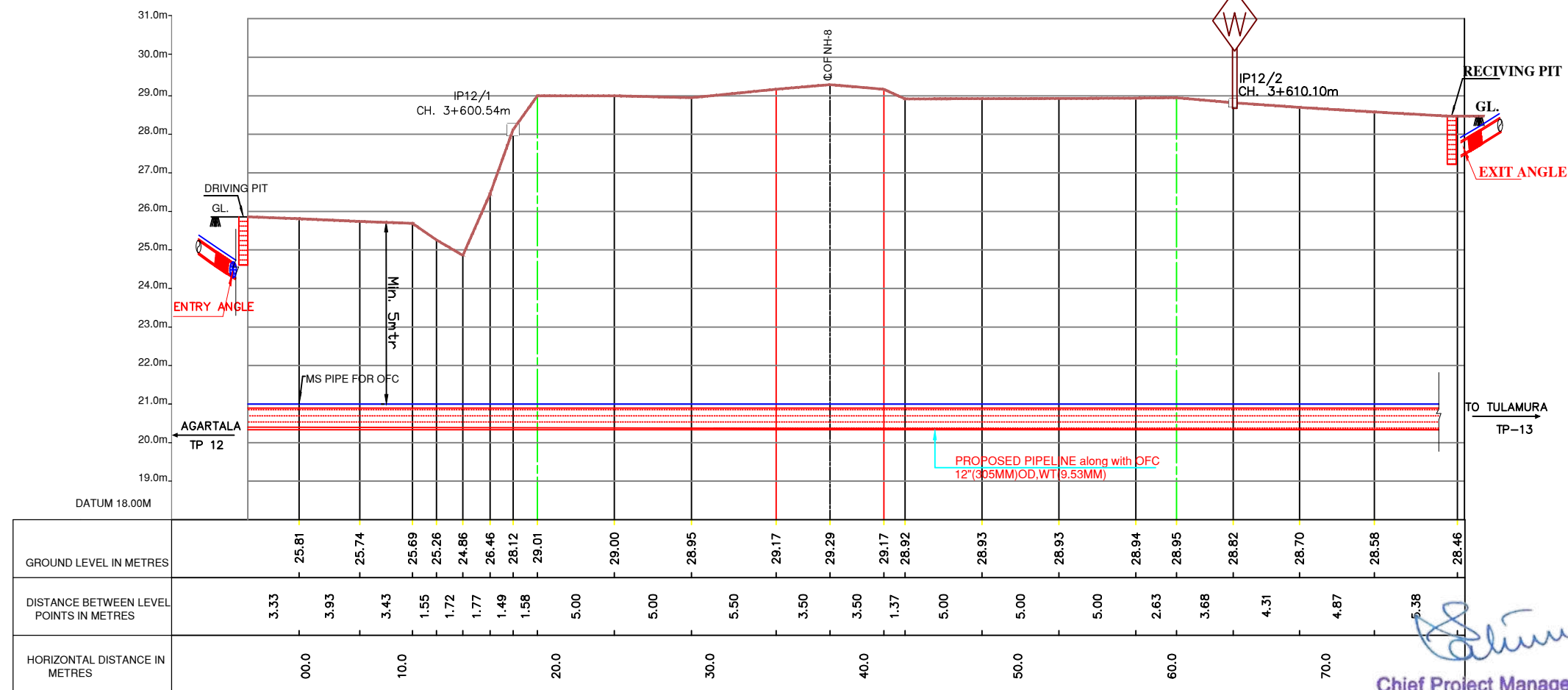
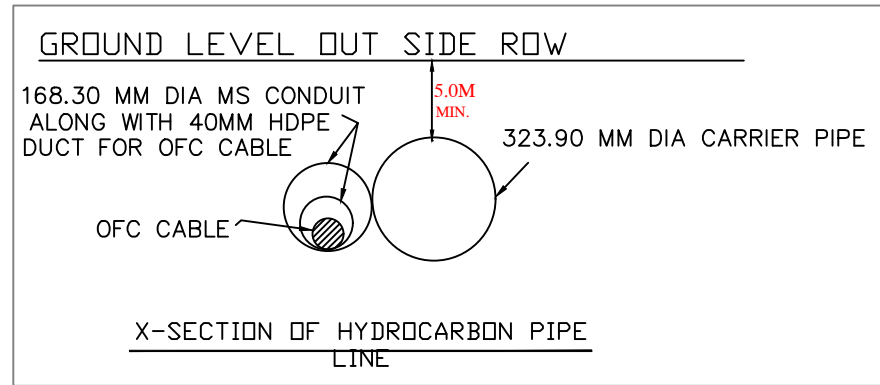
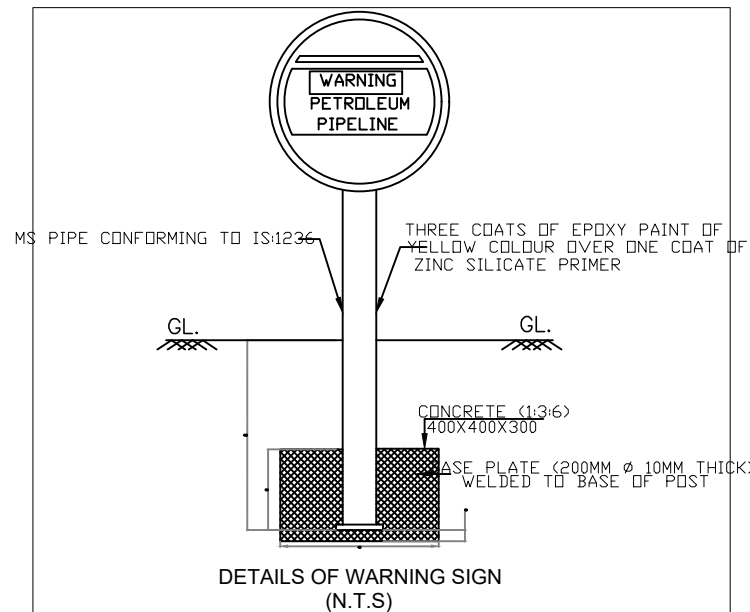
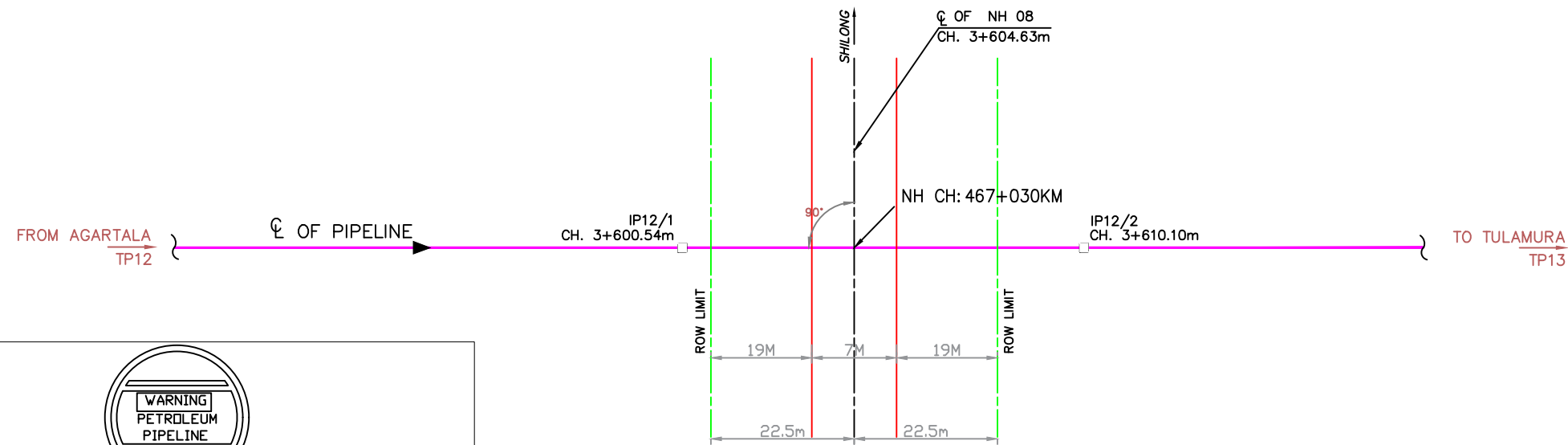


Reference to above mentioned drawing and attached cross sectional drawing, Bundle pulling of both pipes are done with HDD Method and the overall diameter stands at $(323.9+168.3)$ mm = 492.2 mm which has been rounded off to **500 mm**.

Thanking You,

For Indradhanush Gas Grid Limited,

Pankaj Patowary
Chief Project Manager
पंकज पाटोवारी
Pankaj Patowary
मुख्य परियोजना प्रबंधक
Chief Project Manager
Indradhanush Gas Grid Ltd.
Guwahati-781005



NAME OF CROSSING	MAUZA	TEHSIL	CIRCLE	SUB-DIVISION	DISTRICT	CROSSING CHAINAGE IN METRES
NH 8	Bankimnagar No.23	Jirania	Jirania	Jirania	West Tripura	CH. 3+604.63m

REFERENCE DRAWINGS		
DRAWING TITLE	DRAWING NO	
ROUTE MAP	IOCL/NE/TSL/RM-1	
ALIGNMENT SHEET	IOCL/NE/TSL/ALN-3	
<div>KEY PLAN (NOT TO SCALE) (NH 8) CROSSING CH. 3+604.63m</div> <div></div>		
SR. NO.	PARTICULARS	DETAILS
1	Origin-Destination	
2	Nh Name As Per Authority	NH-8
3	Nh Chainage(km)	CH: 467+030KM
4	Nearest TP or IP a) Before Crossing b) After Crossing	IP12/1 IP12/2
5	Crossing Angle	90°
6	ROW Width of Crossing in 'm'	45M
7	Crossing Control Point	E 338614.66 N 2635047.85
8	Mauza	Bankimnagar No.23
9	Plot No.	916, 1298
NOTES: - 1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE MENTIONED. 2. ALL LEVELS ARE WITH RESPECT TO MEAN SEA LEVEL.		
CLIENT	INDRADHANUSH GAS GRID LIMITED	
SURVEYED & PREPARED BY	S.K.P. PROJECTS PVT. LTD. 201 - 205, Sai Samarth Complex, Near Maneja Crossing, Makarpura Road, Vadodara - 390010. Phone = (0265) 6451501/2 Fax: (0265) 2641059 (AN ISO 9001:2015 CERTIFIED COMPANY)	
PROJECT	PERMISSION FOR LAYING UNDERGROUND NATURAL GAS PIPELINES UNDER NORTH EAST GAS GRID PIPELINE PROJECT	
DWG TITLE	NH CROSS SECTION	
SECTION	AGARTALA TULAMURA PIPELINE	
DETAILS OF	NATIONAL HIGHWAY 8 CROSSING AT CH. 3+604.63m	
SCALE	DRAWING NO.	REV.
HOR 1:500 VER 1:100	DWG.NO.SK/P/IOCL/NE/PAPL/CS-8	

Chief Project Manager
Indradhanush Gas Grid Ltd.
5th Floor, Central Mall, G.S. Road,
Guwahati, Assam-781005



पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड

Petroleum and Natural Gas Regulatory Board

प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली-110001

1st Floor, World Trade Centre, Babar Road, New Delhi – 110001

फैक्स नं. / Fax No. 91 11 23709151; E-mail contact@pngrb.gov.in

PNGRB/Auth/2-NGPL(04)/2018 (P-111)

Date: 17.11.2020

To

Indradhanush Gas Grid Limited

(Attn.: Shri Arun Modi, CEO)

5th Floor, Central Mall

Christian Basti, G. S. Road

Guwahati - 781005

Subject: Final Grant of authorization to Indradhanush Gas Grid Limited for laying, building, operating or expanding Natural Gas pipelines as “North-East Natural Gas Pipeline Grid under Section 16 and in pursuance of Policy Directives issued to PNGRB by the Ministry of Petroleum & Natural Gas under Section 42 of the PNGRB Act, 2006.

Reference:

1. PNGRB's letter No. Infra/NGPL/143/IGGL/NEGG/01/18, dated 14.09.2018
2. IGGL's letter No. IGGL/PNGRB/2018, dated 31.10.2018
3. IGGL's letter No. IGGL/PNGRB/HRC-1/2019/54, dated 14.03.2019 and letter No. IGGL/GHY/PL/HRC/PNGRB/2019/78, dated 10.06.2019

Sir,

With reference to the above letters in the matter of provisional authorization issued in favour of Indradhanush Gas Grid Limited to lay, build, operate or expand Natural Gas pipelines as North-East Natural Gas Pipeline Grid, under Section 16 and in pursuance of the Policy Directives issued to PNGRB by the Central Government under Section 42 of the PNGRB Act, 2006.

2. In this regard, it is informed that the Petroleum and Natural Gas Regulatory Board has decided to grant Final authorization to Indradhanush Gas Grid Limited to lay, build, operate or expand North-East Natural Gas Pipeline Grid connecting north-east states viz. Assam, Mizoram, Manipur, Arunachal Pradesh, Tripura, Nagaland,

के. कृष्ण / K. KITTAPPA
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Babar Road, New Delhi-110001

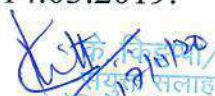
Meghalaya and Sikkim, under Section 16 read with the Policy Directives issued by Central Government under Section 42 of the PNGRB Act, 2006.

3. The above authorization is subject to the provisions under the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008 on the following terms and conditions, namely:


- (i) The route for laying, building, operating or expanding the natural gas pipeline shall be as depicted in the enclosed drawing as **Annexure-1**.
- (ii) The entity shall complete laying, building or expansion activities of the natural gas pipeline project within a maximum period of thirty-six months from the date of issue of this Final Authorization letter. Any failure on the part of the entity in complying with the targets prescribed in the time schedule shall lead to consequences as specified under regulation 16 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.
- (iii) The initial design capacity in the natural gas pipeline shall be equal to 4.75* Million standard cubic meter per day (MMSCMD).

Note: [* - This capacity is accepted as provisional and the final capacity shall be determined as per the Petroleum and Natural Gas Regulatory Board (Determining capacity of Petroleum, Petroleum products and Natural Gas Pipeline) Regulations, 2010].

IGGL has reduced the capacity of the North-East Gas Grid from 9 MMSCMD in provisional authorization to 4.75 MMSCMD in the DFR submitted vide letter dated 14.03.2019. Considering that North East Gas Grid had been provisionally authorized in view of the directive of the Central Government u/s 42 of the PNGRB Act, 2006, the issue of capacity was referred to MoP&NG and MoP&NG, vide letter dated 04.09.2020 advised that it may issue the final authorization of North East Gas Grid as per proposal submitted by IGGL dated 14.03.2019.



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- (iv) The extra capacity in the natural gas pipeline shall be equal to 1.19 MMSCMD as per the provisions specified in clause (j) of sub-regulation (6) of regulation 5 and shall be available for use on common carrier basis by any third party on open access and non-discriminatory basis.
- (v) The authorized entity shall be required to take prior approval from the Board for creation of any lien or charge or hypothecation on the assets of the natural gas pipeline to secure finances for the project and furnish details of utilization of funds. However, in case of raising funds from any financial institution or bank, the entity will be required to only inform the Board of the sanction of the funds, within a period of seven days.
- (vi) The entity shall publish the approved tariff for each of the tariff zones of the natural gas pipeline.
- (vii) The entity shall submit a detailed and clear financial closure and capacity booking report to the Board within a period of one hundred and eighty days from the date of final authorization issued by the Board under regulation 9 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.
- (viii) Furnishing of performance bond of **Rs. 200 million** is a guarantee for timely commissioning of the project as per the prescribed targets submitted in the bid and for meeting the performance undertakings during operating phase of the project.
- (ix) The entity shall abide by the service obligations specified under regulation 14 and quality of service standards under regulation 15 of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008.
- (x) In case the authorization of the entity is terminated, the Board may assign the rights and obligations to any agency or another entity on such terms and conditions, as it may deem fit. Further, the entity may be required, as per the directions of the Board, to continue the operations of the natural gas pipeline


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at the same level till another agency or entity appointed by the Board takes over the full control of the natural gas pipeline.

- (xi) The entity shall comply with the provisions under-
- (a). the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008;
 - (b). the Petroleum and Natural Gas Regulatory Board (Determination of Natural Gas Pipeline Tariff) Regulations, 2008;
 - (c). the service obligations specified in Schedule J to the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008;
 - (d). the relevant regulations for-
 - (i) the technical standards and specifications, including safety standards;
 - (ii) the access code;
 - (iii) determination of capacity for natural gas pipeline;
 - (iv) affiliate code of conduct;
 - (v) declaring natural gas pipelines as common carrier or contract carrier;
 - (vi) Levy of Fee and Other Charges;
 - (e). any other regulations as may be applicable and the provisions of the Act.
- (xii) The entity shall comply with any other term or condition which may be notified by the Board in public interest, from time to time.
- (xiii) Other terms and conditions will remain same as per provisional authorization issued to IGGL vide letter No. Infra/NGPL/143/IGGL/ NEGG/01/18 dated 14.09.2018.


के. किशोर तपा Joint Adviser
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Babar Road, New Delhi-110001

You are requested to confirm your acceptance in the space provided below and return the same in original.

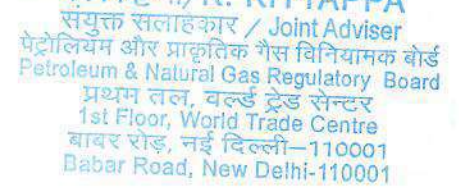
Date: 17.11.2020

Yours faithfully,

 17/11/2020

(K Kittappa)

Joint Adviser I/C (A)


K. KITTAPPA
संयुक्त सलाहकार / Joint Adviser
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड
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Acceptance of Grant of Authorization

I / We hereby agree to the grant of final authorization issued by the Board vide letter ref. <_____> dated <_____> and agree to comply with all the terms and conditions subject to which I / We have been granted authorization for laying, building, operating or expanding natural gas pipeline along the route of <_____> in the States of <_____>.

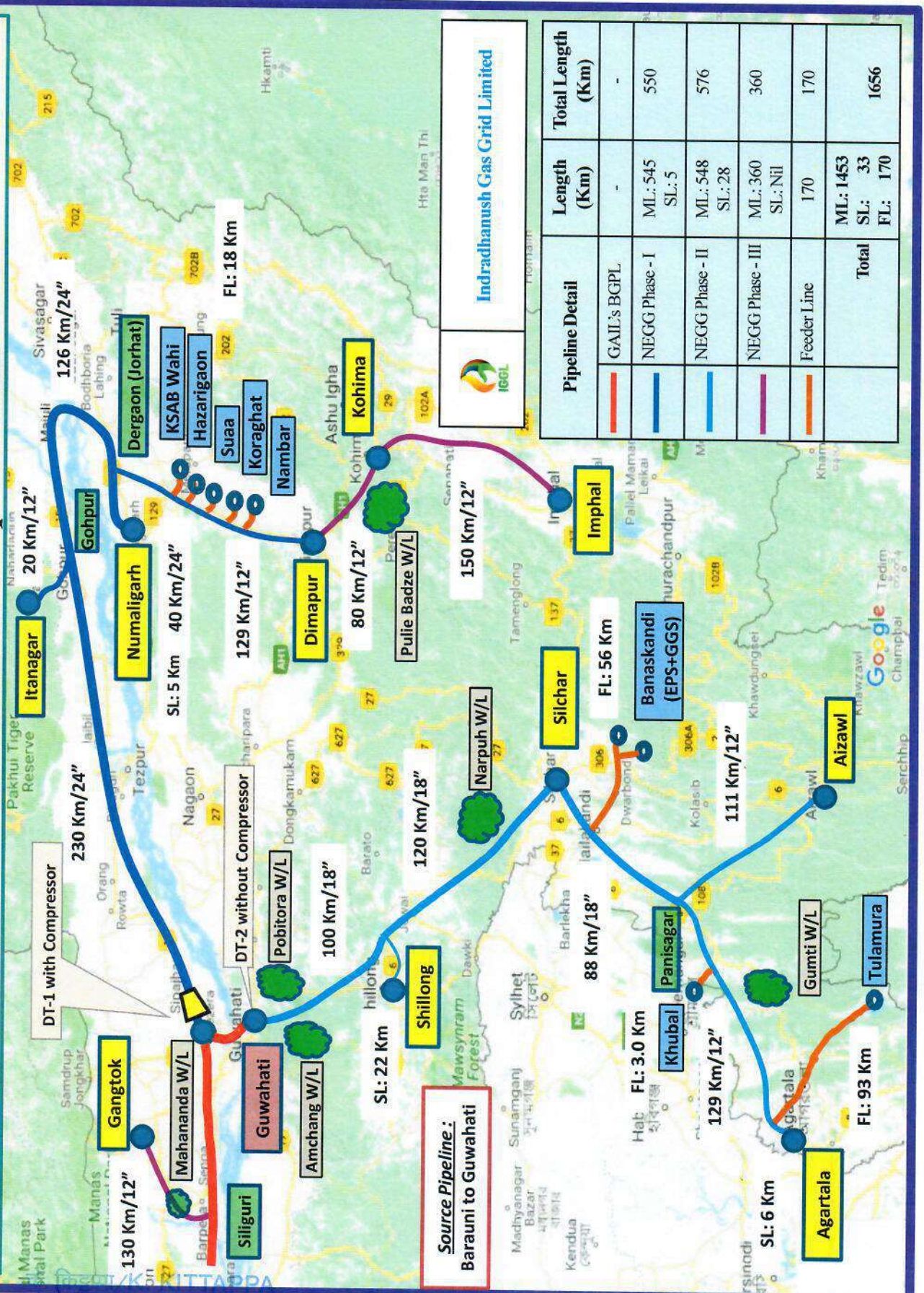
Date:

Place:

Signature of the Entity or Authorized Signatory

Name and Official Seal

North-East Natural Gas Pipeline Grid



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A. Main Line:

- (1) Guwahati to Numaligarh – 24"x 396 km
- (2) Numaligarh to Dimapur – 12"x 129 km
- (3) Dimapur to Kohima – 12"x 80 km
- (4) Kohima to Imphal – 12"x 150 km
- (5) Gohput ToP to CGS Itanagar – 12"x 20 km
- (6) Siliguri ToP* to CGS Gangtok – 12"x 130 km
(* at GAIL's Barauni – Guwahati Pipeline)
- (7) Guwahati – Shillong – Silchar – 18"x 220 km
- (8) Silchar to Panisagar – 18"x 88 km
- (9) Panisagar to Agartala – 12"x 129 km
- (10) Panisagar to CGS Aizwal – 12"x 111 km

B. Spurline:

- (1) Numaligarh ToP to NRL – 24"X 5 KM
- (2) Shillong ToP to CGS Shillong – 12"x 22 km
- (3) NEEPCO, Agartala – 12"X 6 km

C. Feeder Line:

- (1) Source connectivity to Gas Fields of ONGC – 16"X 170 km

Total Mainline Length	: 1453 km
Total Spurline Length	: 33 km
Total Feeder Line Length	: 170 km
Total Pipeline length	: 1656 km

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