



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

परियोजना कार्यान्वयन इकाई, बरेली

Project Implementation Unit, Bareilly



282/01, ग्रेटर ग्रीन पार्क, बिशप कॉनरोड स्कूल के पास, बरेली - 243 006 (उ.प्र.)

282/01, Greater Green Park, Near Bishop Conrad School, Bareilly - 243 006 (U.P.)

फोन/Tel.: +91-5812523752 • ई-मेल/E-mail : bareilly@nhai.org, piubareilly@gmail.com

10004/25/2023/PIU-Brly/17760

29.03.2023

Invitation of Public Comments

Sub.: Permission for laying proposed 6" & 8" Dia Gas Pipeline with OFC Along NH-30 (Bareilly-Pilibhit Road) From Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across At Existing Ch. 325.810 Km, At Design Ch. 6.600 Km, At Existing Ch. 318.340 Km, At Existing Ch. 309.440 Km & At Existing Ch. 299.100 Km to develop CGD Network in Pilibhit district of Uttar Pradesh State.

1. The Authorized Signatory M/S Hindustan Petroleum Corporation Limited has submitted the proposal for NOC for grant of Right of way permission to lay gas pipeline along the route from Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across at Existing Ch. 325.810 Km, at Design Ch. 6.600 Km, at Existing Ch. 318.340 Km, At Existing Ch. 309.440 Km & at Existing Ch. 299.100 Km on NH 74 (new NH-30) for a total section length of 36.56 Km. (Bareilly to Pilibhit) in the State of UP.
2. As per guideline, issued by the ministry vide OM No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application shall be put out in public domain for 30 days for seeking claims & Objections (on ground of public inconvenience, safety and general public interest).
3. In view of the above, comments of the public on the application is invited to the below mentioned address, which should reach this office within 30 days from the date of publication, beyond which no comments shall be entertained.

**Project Director,
National Highway Authority of India,
228/01 Greater Green Park
Near Bishop Conrad School Bareilly
Uttar Pradesh - 243006**

Encl: As Above.

**B.P. Pathak
Project Director,
NHAI, Bareilly**

Copy to :

1. Web Admin, NHAI-HQ with request for uploading on NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New delhi with request for uploading on the Ministry's website.
3. The Regional officer, UP west NHAI 3/248 Vishal Khand Gomati Nagar Lucknow- 226010 Up
4. The Authorized Signatory M/S Hindustan Petroleum Corporation Limited Bareilly UP



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस 17, जमशेदजी टाटा रोड, मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERD OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

शहरी गैस वितरण परियोजना, यू. पी. एण्ड यू. के. क्लस्टर 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob : 7409900090
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob : 7409900090



Ref: HPCL/CGD/GA-BRP/160

Date: 27/02/2023

To,
Project Director,
National Highway Authority of India,
228/01 Greater Green Park
Near Bishop Conrad School Bareilly
Uttar Pradesh - 243006

DM (r)-II

National Highways Authority of India
Project Implementation Unit Bareilly
Received No. 12763
Date 06/03/23

Sub.: Permission for laying proposed 6" & 8" Dia Gas Pipeline with OFC Along NH-30 (Bareilly- Pilibhit Road) From Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across At Existing Ch. 325.810 Km, At Design Ch. 6.600 Km, At Existing Ch 318.340 Km, At Existing Ch. 309.440 Km & At Existing Ch. 299.100 Km to develop CGD Network in Pilibhit district of Uttar Pradesh State.

Ref.: 10004/23/2022/PIU-Brly/17425 dated 14.02.2023

Dear Sir,

With Reference to above mentioned subject and your Office letter dated 14.02.20, HPCL has shifted the Gas pipeline from RHS to LHS From Design Ch. 0.000 Km to 6.600 Km to ignore the crossing at Design Ch. 0.380 Km & 4.700 Km, where LVU accords.

HPCL is submitting the undertaking regarding where ROW is restricted the utility service be laid in concrete ducts which will be designed to Carry traffic on Top.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.

Thanking you,

Yours sincerely,

Anil Kumar

Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation
Limited Bareilly
General Manager - Projects

04.03.2023

Pawan (S.E.)
Subh



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस 17, जमशेदजी टाटा रोड, मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERD OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

महरी गैस वितरण परियोजना, यू. पी. एण्ड यू. के. जेम्सटोर क्लस्टर एवं विनोद तल, महात्माजी टाटा रोड, 17 सिविल लाइन्स, बरेली-243001 फोन: 0581-2422020, 2970180, मो.: 7409900090
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob.: 7409900090



UNDERTAKING

I, the undersigned, Mr. Anil Kumar, residing at Bareilly, Occupation: Service as a General Manager (Projects) – (with Hindustan Petroleum Corporation Limited Bareilly). On behalf of Hindustan Petroleum Corporation Limited Bareilly hereby undertakes where ROW is restricted the utility service be laid in concrete ducts which will be designed to Carry traffic on Top.

Yours Sincerely

Anil Kumar

General Manager - Projects

Hindustan Petroleum Corporation Limited
Bareilly.

Date : 04.03.2023

Place : Bareilly

| Application Details [20230329/1/12/17212/2425] | |
|---|---|
| Highway | NH30 [NH30] |
| Name of Highway Authority | |
| Highway Administration Address | |
| Whether the Fuel Station is part of Rest-area complex | No |
| Name of Applicant/Oil Company | HPCL Address: 112 1st and 2nd floor Mahalaxmi tower Civil lines Bareilly, BAREILLY (UTTAR PRADESH), PIN: 243001 Phn: 9472975184 Email: hrp.upuk@gmail.com |
| Application Category | Public Utility |
| Utility | Natural Gas |
| State | UTTAR PRADESH |
| Type | New |
| Remarks | NA |
| Submitted On | 29 Mar 2023 01:22:14 |



अनिल कुमार 9. 03. 2023
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

Details

| | |
|---|--|
| 1. Length in Meters * | 36560 |
| 2. Width of available ROW | |
| I. Left side from center line towards increasing chainage OR km direction * | 14-22.5 M |
| II. Right side from center line towards increasing chainage OR km direction * | 14-22.5 M |
| 3. Proposal to lay the utility | |
| I. Left side from center line towards increasing chainage OR km direction * | Design Ch. 0.0000 to Design Ch. 0.380 , Existing Ch. 328.900 to Existing Ch. 324.700 & Design Ch. 4.700 to Design Ch. 6.6600 |
| II. Right side from center line towards increasing chainage OR km direction * | Design Ch. 6.600 to 11.060, Existing Ch. 318.340 to 306.480, Design Ch. 23.400 to 28.160 & Existing Ch. 301.720 to 292.720 |
| 4. Proposal to acquire the land | |
| I. Left side from center line * | NA |
| II. Right side from center line * | NA |
| 5. Whether proposal is in the same side where land is not to be acquired * | No |
| If not then where to lay the cable * | NA |
| 6. Details of already laid services if any along the proposed route * | NA |
| 7. Number of Existing lanes * | 2 Lane |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|--|--|---------|
| 8. Proposed number of lanes * | | 2 Lane |
| 9. Service road Exists * | | No |
| 10. Proposed Service road | | |
| Left side from center line | | Yes |
| Right side from center line | | Yes |
| 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 * | | HDD |
| 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 * | | Encased |
| I. Whether the existing drainage structures are allowed to carry utility pipeline. * | | NA |
| II. Is it on a line normal to NH? * | | Yes |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|---|--|--------|
| <p>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. *</p> | | 16.00 |
| <p>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. *</p> | | HDD |
| <p>V. Ends of the casing/conduit pipe shall be sealed from outside, so that it does not act as a drainage path *</p> | | Agreed |
| <p>VI. The casing/conduit pipe should be as minimum extend from drain in cuts toe of slope in fills. *</p> | | Agreed |
| <p>VII. The installation of Casing pipe shall be as per attachment-1 of Ministry's Guidelines dated 22.11.2016 *</p> | | Agreed |


ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

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

14. Whether the proposal satisfies the following:

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. *

Agreed

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. *

Agreed

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|---|--|------------------|
| <p>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. *</p> | | Agreed |
| <p>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. *</p> | | Agreed |
| <p>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. *</p> | | Agreed |
| <p>15. Document/Drawings enclosed with the proposal *</p> | | Yes |
| <p>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) *</p> | | Drawing enclosed |

अनिल कुमार
ANIL KUMAR
मुहापबन्धक - परियोजना
General Manager - Projects

| | | |
|---|--|---------------------------|
| II. Cross section showing the size of pit and location of cable for HDD method * | | Drawing enclosed |
| 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. * | | Drawing enclosed |
| IV. Methodology of laying of the Utility Pipeline/OFC * | | Open Cut & HDD |
| 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 * | | Refilling With Compection |
| (a) The trench width should be at least 30 cms but not more than 60 cms wider than the outer diameter of the pipe * | | Agreed |

अ. कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

| | | |
|--|--|--------|
| <p>(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 *</p> | | Agreed |
| <p>(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 *</p> | | Agreed |
| <p>(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. *</p> | | Agreed |
| <p>(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. *</p> | | Agreed |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|--|--|-----------------------------|
| (f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. * | | Agreed |
| (g) If required, a diversion shall be constructed at the expense of agency owing the utility line. * | | Agreed |
| VI. Horizontal Directional Drilling (HDD) Method * | | At the location of Crossing |
| 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. * | | Enclosed |
| 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. * | | NA |
| 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 | | |


ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

| | |
|--|-----|
| 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 |


 अनिल कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

| | | |
|--|--|------------|
| 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 us 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. * | | Anil Kumar |
| 20. The Power of Attorney is in favour of authorized signatory? * | | Yes |


 अजित कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

| Locations | | | | | | |
|-----------|---------------|----------|---|---|--|------|
| Sno | State | District | Highway /Stretch | Start Point | End Point | View |
| 1 | UTTAR PRADESH | BAREILLY | NH30 [NH30] (0.00-200.00) From Km: 0 To Km: 40 | Chainage Point: 0 Lat: 282553.800 Lng: 792847.970 | Chainage Point: 292.72 Lat: 283652.690 Lng: 794655.370 | 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 | --- |
| 9 | Under Submission | Any Other Statutory Clearance as applicable | No | --- |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

Applicable Fee Details

| Sno | Fee Head | Stage | Fee | Amount | Status |
|-----|--------------|--------------------|--------------|--------|--------|
| 1 | Utility Fees | Technical Approval | License Fees | 0 | |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects



National Highways Authority of India

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

परियोजना कार्यान्वयन इकाई, बरेली

Project Implementation Unit, Bareilly

26, ग्रीन पार्क, बीसलपुर रोड, बरेली - 243006 (उ.प्र.)

26, Green Park, Beesalpur Road, Bareilly - 243006 (U.P.)

फोन/Tel. : +91-581-2523752, ईमेल E-mail : bareilly@nhai.org, pubareilly@gmail.com वेब : www.nhai.org



10004/22/2022/PIU-Brly/16808

07.11.2022

To,

Sh. Anil Kumar,
General Manager- Projects,
Hindustan Petroleum Corporation Ltd,
Bareilly

Sub: Permission for laying proposed 6" & 8" Dia steel Gas pipeline with OFC along and across NH-30 (Bareilly-Pilibhit Road) along from existing Ch. 292.130 Km to existing Ch. 329.280 and across at existing Ch. 328.880 Km (Crossing proposed Bypass), Ch. 324.630 Km (Proposed Bypass) develop CGD Network in Pilibhit district of Uttar Pradesh State.

Ref: Your office letter no. HPCL/CGD/BRP-GA/125 dated 08.09.2022 received on 13.09.2022.

Sir,

This has reference to the letter dated 13.09.2022 which your office has submitted NOC proposal for laying proposed 6" & 8" Dia steel Gas pipeline with OFC along and across NH-30 (Bareilly-Pilibhit Road) along from existing Ch. 292.130 Km to existing Ch. 329.280 and across at existing Ch. 328.880 Km (Crossing proposed Bypass), Ch. 324.630 Km (Proposed Bypass) develop CGD Network in Pilibhit district of Uttar Pradesh State.

2. This office has examined the proposal and the following observations are made:-

- It has been observed that the said proposal has been submitted as per the existing configuration (02L+PS) of the highway. However, the instant stretch is proposed for 04 laning, hence the proposal shall be modified as per the provisions of 04 lane. The chainages and coordinates of the center line of the proposed alignment is enclosed for your reference. You are requested to submit the location of proposed Pipe Line w.r.t to these chainages, so that cross sectional details for the same can be provided by this office.
- Also, the Proposal shall be accompanied with an undertaking "No work shall be executed unless the complete possession of the ROW is taken by NHAI, except at bypassed locations".
- It is requested to submit the proposal on NHAI/MORTH online portal as per MORTH guidelines and provide its submission report along with the proposal.

3. In view of the above, the said proposal is hereby returned in original with the request to modify the documents meeting the requirements as per provisions of 04 lane of Sitarganj-Bareilly section of NH-74 & re-submit the proposal so that necessary action could be taken in this regard.

This issues with the approval of PD-PIU, Bareilly.

Encl: Chainages with Center Line Coordinates.

Antriksh
(Antriksh Thakur)
Dy. Manager (Tech.)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

परियोजना कार्यान्वयन इकाई, बरेली

Project Implementation Unit, Bareilly



282/01, ग्रेटर ग्रीन पार्क, बिशप कॉनरोड स्कूल के पास, बरेली - 243 006 (उ.प्र.)

282/01, Greater Green Park, Near Bishop Conrad School, Bareilly - 243006 (U.P)

फोन/Tel.: +91-5812523752 • ई-मेल/E-mail : bareilly@nhai.org, piubareilly@gmail.com

No. 11063/3/2022/PIU-Brly/17238

18.01.2023

To,

Acting Team Leader,
M/s Voyants Solutions Pvt. Ltd
JV with Yongma Engineering Co. Ltd
And associate member Cho & kim
Engineering Pvt. Ltd, M-3
Vasundhara Colony.

Sub: Proposal for permission for laying proposed 6"/8" Dia steel Gas pipeline with OFC along/across NH-30 (Bareilly-Pilibhit road), along with NH-30 from design Ch. 0.000 to design Ch. 0.380 Km RHS, from existing Ch. 328.900 to existing Ch. 324.700 RHS, from design Ch. 4.7 Km to Design Ch. 11.060 Km RHS from existing Ch. 318.340 to existing Ch. 306.480 RHS, from design Ch. 23.400 to design Ch. 28.160 RHS existing Ch. 301.720 to existing Ch. 292.720 RHS & Across at design Ch. 0.380 at existing Ch. 325.810, At design Ch. 4.700 at existing Ch. 318.340, at existing Ch. 309.440 Km to develop CGD Network in Pilibhit District of Uttar Pradesh.

Ref: M/s HPCL letter no. HPCL/CGD/BRP-GA/125 dated 12.01.2023

Sir,

This is in reference to the subject cited above and letter of M/s HPCL dated 12.01.2023 vide which proposal for permission for laying proposed 6"/8" Dia steel Gas pipeline with OFC across NH-30 (Bareilly-Pilibhit), along/across NH-30 (Bareilly-Pilibhit road), along with NH-30 from design Ch. 0.000 to design Ch. 0.380 Km RHS, from existing Ch. 328.900 to existing Ch. 324.700 RHS, from design Ch. 4.7 Km to Design Ch. 11.060 Km RHS from existing Ch. 318.340 to existing Ch. 306.480 RHS, from design Ch. 23.400 to design Ch. 28.160 RHS existing Ch. 301.720 to existing Ch. 292.720 RHS & Across at design Ch. 0.380 at existing Ch. 325.810, At design Ch. 4.700 at existing Ch. 318.340, at existing Ch. 309.440 Km to develop CGD Network in Pilibhit District of Uttar Pradesh.

2. In view of above, you are requested to examine checklist, drawings and other documents of proposals in accordance with new MoRT&H guideline dated 22.11.2016 and submit the same to this office with clear cut recommendations/observations of Supervision Consultant along with seal and sign of Team leader/Authority Engineer on each page of checklist and drawings. A site inspection certificate is also required duly signed and sealed by Team Leader/Authority Engineer. The site inspection report along with the recommendations/observations should reach to this office within 10 days from issue of this letter.

3. This issues with the approval of Project Director, PIU-Bareilly.

Encl: As above (1 Set of proposal)

(Signature)
18/01/23

(Narender Kumar)

Dy. Manager (Tech.)



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस 17, जमशेदजी टाटा रोड, मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERD OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

गहरी गैस वितरण परियोजना, यू. पी. एण्ड यू. के. क्लस्टर प्रथम एवं द्वितीय तह, महात्माजी टॉवर्स, 112 सिविल लाइन्स, बरेली-243001
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahatmaji Towers, 112 Civil Lines, Bareilly - 243001, Tel.: 0581-2422020 2970180, Mob.: 7409900090



Ref: HPCL/CGD/BRP-GA/157

Date: 27/02/2023

**To,
Project Director,
National Highway Authority of India,
228/01 Greater Green Park, Near
Bishop conrad School Bareilly
Uttar Pradesh – 243006**

Sub.: Permission for laying proposed 6" & 8" Dia Gas Pipeline with OFC Along NH-30 (Bareilly- Pilibhit Road) From Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across At Existing Ch. 325.810 Km, At Design Ch. 6.600 Km, At Existing Ch 318.340 Km, At Existing Ch. 309.440 Km & At Existing Ch. 299.100 Km to develop CGD Network in Pilibhit district of Uttar Pradesh State.

Dear Sir,

With reference to subject Circular no 14.22/2022 dated 05th Dec, 2022 in the respective of laying of new gas pipeline. (Copy enclosed)

a) NHA will issue NOC to HPCL for laying gas pipeline along and across National Highways in National Highways Land (Right of Way) in 60 days period from the date of formal application by HPCL. Beyond this period of 60 days, it is understood by both parties that the NOC stands issued.

b) NHA shall not levy any charges from HPCL and its agencies for laying new gas pipeline along or across National Highways in National Highways Land.

c) NHA will obtain Performance Security from HPCL before issuance of permission for laying gas pipeline along/ across National Highways in National Highways Land.

HPCL requested to grant the permission as per the Circular no 14.22/2022 dated 05th Dec, 2022.

Thanking you,

Yours sincerely,

**Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation
Limited Bareilly**

04.03.2023



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

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

परियोजना कार्यान्वयन इकाई, बरेली
Project Implementation Unit, Bareilly



282/01, ग्रेटर ग्रीन पार्क, बिशप कॉनरोड स्कूल के पास, बरेली - 243 006 (उ.प्र.)

282/01, Greater Green Park, Near Bishop Conrad School, Bareilly - 243 006 (U.P.)

फोन/Tel.: +91-5812523752 • ई-मेल/E-mail : bareilly@nhai.org, piubareilly@gmail.com

10004/23/2022/PIU-Brly/17425

14.02.2023

To,

Sh. Anil Kumar,
General Manager- Projects,
Hindustan Petroleum Corporation Ltd, Bareilly

Sub: Permission for laying proposed 6" & 8" Dia steel Gas pipeline with OFC along and across NH-30 (Bareilly-Pilibhit Road) Along: with NH-30 from Design Ch. 0.000 Km. to design Ch. 0.380 Km (RHS), From existing Ch. 328.900 Km. to Ch. 324.700 Km. (RHS), from design Ch. 4.7 Km to design Ch. 11.060 Km (RHS), from existing Ch. 318.340 Km. to existing Ch. 306.480 Km (RHS), from design Ch.23.400 to design Ch. 28.160 Km (RHS), Existing Ch. 301.720 Km to existing Ch. 292.720 Km (RHS) & across the design Ch.0.380 Km at existing Ch. 325.810 Km, at design Ch. 4.700 Km at existing Ch. 318.340 Km. at existing Ch. 309.440 Km develop CGD network in Pilibhit District of Uttar Pradesh.

Ref: Your office letter no. HPCL/CGD/BRP-GA/125 dated 12.01.2023.

Sir,

This has reference to the letter dated 12.01.2023 which your office has submitted NOC proposal for laying proposed 6" & 8" Dia steel Gas pipeline with OFC along and across NH-30 (Bareilly-Pilibhit Road) Along: with NH-30 from Design Ch. 0.000 Km. to design Ch. 0.380 Km (RHS), From existing Ch. 328.900 Km. to Ch. 324.700 Km. (RHS), from design Ch. 4.7 Km to design Ch. 11.060 Km (RHS), from existing Ch. 318.340 Km. to existing Ch. 306.480 Km (RHS), from design Ch.23.400 to design Ch. 28.160 Km (RHS), Existing Ch. 301.720 Km to existing Ch. 292.720 Km (RHS) & across the design Ch.0.380 Km at existing Ch. 325.810 Km, at design Ch. 4.700 Km at existing Ch. 318.340 Km. at existing Ch. 309.440 Km develop CGD network in Pilibhit District of Uttar Pradesh.

2. In this regard, this office studied the proposal as per the MoRTH Circular dated 22.11.2016 and following points are being observed by this office:



- i. The location of the pipeline crossing the highway as per submitted Key plan at design Km. 0.380 and at Km. 4.700 shall be relocated as the same locations are proposed for Vehicular Underpass in up gradation of the highway to 4 lane. Approving the above crossing will hinder the planning/ progress of upcoming projects along with revenue loss of both NHAI and HPCL.
- ii. As per the para 2.6 of the Circular "where ROW is restricted the utility services can be allowed beneath the carriageway of the service road, subject

ba

to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top", in this context it is requested to submit the undertaking for the same.

3. In view of the above, it is requested to revise the proposal as per above observation and resubmit the same as per the MoRTH policy guide line dated 22.11.2016 for further necessary action by this office.

Encl:- 03 sets file


(B.P Pathak)
Project Director


Ref: VSPL / NHAI / SC / Sitarganj – Bareilly /2021-22 /482
Date: 23rd January, 2023

To,
The Project Director
National Highways Authority of India
282/01 Greater Green Park,
Near Bishop Conrad School
PIU Bareilly, 243006 (U.P.)
Email: piubareilly@gmail.com, bareilly@nhai.org

Subject: Two Lanning with paved shoulders of Sitarganj – Bareilly section of NH-74 from Km 254.820 to Km 329.280 in the state of Uttar Pradesh and Uttarakhand under NHDP-IV on the percentage item rate mode. **Regarding observation for permission for laying proposed 6/8" dia steel gas pipeline with OFC along/across NH-30 (Bareilly-Pilibhit Road).**

Ref: 1) PIU, Bareilly let. No. 10063/3/2022/PIU-Brly/17238 Dated: 18.01.2023.

Dear Sir,

With reference to above subject cited matter, AE Team visit site on dated: 20/01/2023 and this office submitting the report as per MORT&H guideline dated: 26/11/2016 (For public and industrial utility service along and across NH).

1. Applicant has submitted the proposal for permission with all supporting documents.
2. Review the checklist and drawings and other documents found as per MORT&H guidelines dated:26-11-2016
3. According this along the NH-30 (Old NH-74) design chainages 0.000 Km to 0.380 Km RHS (Existing ch. 328.00 Km), From Existing ch. 328.900 to 324.700 Km RHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 11.060 Km RHS (Existing Ch. 318.340 Km), from Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 Km). From Design Ch. 23.400 to Design Ch. 26.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km To 292.720 Km RHS.
4. According this Across the NH-30 (Old NH-74) design:
Across: At Design Ch. 0.380 Km
At Existing Ch. 325.810 Km
At Design Ch. 4.700 Km
At Existing Ch. 318.340 Km
At Existing Ch. 309.440 Km

Voyants Solutions Pvt. Ltd. In JV with Yongma Engineering Co. Ltd. and associate member Cho & Kim Engineering Pvt. Ltd.

Project Site Office" M-3 Vasundra Colony Near- Asaam Choraha (Bansuri Chowk), Pilibhit Pincode 262001, Uttar Pradesh
Corporate Office 403, 4th Floor, Park Centre, Sector-30, NH-8, Gurugram-122001. Tel: +91-124-4598200 Fax: +91-124-4019051
Bengaluru Chennai Hyderabad Kolkata Mumbai



Date: 23rd January, 2023

SITE INSPECTION CERTIFICATE

(PERTAINS TO PROPOSED FOR LAYING 6/8" DIA STEEL GAS PIPELINE WITH OFC ALONG/ACROSS NH-30 (OLD NH-74) ALONG WITH NH-30/74 FROM DESIGN CH. 0.000 TO DESIGN CH. 0.380 KM RHS, FROM EXISTING CH. 328.900 TO EXISTING CH. 324.700 RHS, FROM DESIGN CH. 4.7 KM TO DESIGN CH. 11.060 KM RHS FROM EXISTING CH. 318.340 TO EXISTING CH. 306.480 RHS, FROM DESIGN CH. 23.4000 DESIGN CH. 23.400 TO DESIGN CH. 26.160 RHS EXIDTING CH.. 301.720 TO EXISTING CH. 292.720 RHS AND ACROSS AT DESIGN CH. 0.380 AT EXISTING CH. 325.810, AT DESSIGN CH. 4.700 AT EXISTING CH. 318.340, AT EXISTING CH. 309.440 KM TO DEVELOP CGD NETWORK IN PILIBHIT DISTRICT OF UTTAR PRADESH)

Supervision Consultant's team has visited the site along the NH-30 (Old NH-74), design chainages 0.000 Km to 0.380 Km RHS (Existing ch. 328.00 Km), From Existing ch. 328.900 to 324.700 Km RHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 11.060 Km RHS (Existing Ch. 318.340 Km), from Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 Km). From Design Ch. 23.400 to Design Ch. 26.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km To 292.720 Km RHS and across at design ch. 0.380 at existing ch. 325.80, At design ch. 4.700 at existing ch. 318.340, at existing ch. 309.440, found as per applicant layout and site plan.

Thanks,

Truly yours

For, Voyants Solutions Pvt. Ltd. In JV with Yongma Engineering Co. Ltd. and associate member Cho & Kim Engineering Pvt. Ltd.


Shiv Shankar Singh
(Team Leader and Senior Highway Engineer)



Voyants Solutions Pvt. Ltd. In JV with Yongma Engineering Co. Ltd. and associate member Cho & Kim Engineering Pvt. Ltd.

Project Site Office" M-3 Vasundra Colony Near- Asaam Choraha (Bansuri Chowk), Pilibhit Pincode 262001, Uttar Pradesh
Corporate Office: 403, 4th Floor, Park Centre, Sector-30, NH-8, Gurugram-122001, Tel: +91-124-4598200, Fax: +91-124-4019051
Bengaluru, Chennai, Hyderabad, Kolkata, Mumbai



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस, 17, जमशेदजी टाटा रोड, चर्चगेट मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERED OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

नगरि गैस वितरण परियोजना, नू-सी पार्क न्यू-के. फास्टर प्रमन एवं इतिहास, एन, फास्टर प्रमन, 112 विविध फाईनर बिल्डिंग, 243001 कोय: 0581-2422020, 2970180, मो: 7409900090
City Gas Distribution, Up & Uk Cluster 1st & 2nd Floor, Mahalaxmi Tower, 112 Civil Lines, Bareilly-243001, tel: 0561-2422020, 2970180, Mob: 7409900090



Ref: HPCL/CGD/GA-BRP/116

Date: 09/12/2022

To,
Project Director,
National Highway Authority of India,
26, Green Park, Bisalpur Road, Bareilly
Uttar Pradesh - 243006

National Highways Authority of India
Implementation Unit Bareilly

Received No. 11943
10/12/22

Sub.: Permission For Laying Proposed 6" & 8" Dia Steel Gas Pipeline with OFC along and across NH-30 (Bareilly - Pilibhit Road) along From existing Ch. 292.130 Km to existing Ch. 329.880 Km and across at existing Ch. 328.880 Km (Crossing Proposed Bypass), Ch. 324.630Km (Proposed Bypass) to develop CGD Network in Pilibhit district of Uttar Pradesh State.

Ref: Your Office Letter no. 10004/22/2022/PIU-Bareilly /16808 dated 07th Nov 2022.

Dear Sir

This has reference to the letter dated 07.11.2022 which your office has submitted NOC Proposal for laying Proposed 6" & 8" Dia Steel Gas Pipeline with OFC along and across NH-30 (Bareilly - Pilibhit Road) along From existing Ch. 292.130 Km to existing Ch. 329.880 Km and across at existing Ch. 328.880 Km (Crossing Proposed Bypass), Ch. 324.630Km (Proposed Bypass) to develop CGD Network in Pilibhit district of Uttar Pradesh State.

1.) It has been observed that the said proposal has been submitted as per the existing configuration (O2L+PS) of the highway. However, the instant stretch is proposed for 04 lanning, hence the proposal shall be modified as per the provisions of 04 lane. The chainages and coordinates of the center line of proposed alignment is enclosed for your reference. Request to submit also the locations of proposed pipeline w.r.t. to these

1.) HPCL is submitting the CAD File & KML of proposed pipeline as per requirement of your good office. HPCL requested to you provide the cross sectional details after that we will able to re-submit the proposal.

| | |
|---|--|
| chainages, so that cross sectional details for the same can be provided by this office. | |
| 2.) The Proposal shall be accompanied with an undertaking "No work shall be executed unless the complete possession of the ROW is taken by NHAI, except at bypassed locations". | 2.) HPCL ensures that, HPCL will submit an undertaking with the resubmission of the proposal "No work shall be executed unless the complete possession of the ROW is taken by NHAI, except at bypassed locations." |
| 3. It is requested to submit the proposal on NHAI/MoRTH online portal as per MoRTH guidelines and provides its submission report along with the proposal. | 3.) HPCL ensures that, HPCL will submit proposal on NHAI/MoRTH with the resubmission of the proposal. |

We are ready to pay fees/charges if any, as per the Government's rules and regulations and execute the agreement.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.

Thanking you,

Yours sincerely,




पी. आनंद विक्टर
P. ANAND VICTOR
उप महाप्रबंधक - परियोजना
Deputy General Manager - Projects

P. Anand Victor
Dy.General Manager - Projects
Hindustan Petroleum Corporation Limited
CGD Division, Bareilly
Email: pavictor@hpcl.in



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस 17, जमशेदजी टाटा रोड, मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERD OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

गहरी गैस वितरण परियोजना, यू. पी. एण्ड गै. को. क्लस्टर प्रेम एवं दिवंगत, महात्माजी टाटा रोड, 112 सिविल लाइन्स, बरेली-243001 फोन: 0581-2422020, 2470180, मो.: 7409900091
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahatmaji Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob : 7409900091



Ref: HPCL/CGD/BRP-GA/156

Date: 27/02/2023

**To,
Project Director,
National Highway Authority of India,
228/01 Greater Green Park Near
Bishop conrad School Bareilly
Uttar Pradesh – 243006**

Sub.: Permission for laying proposed 6" & 8" Dia Gas Pipeline with OFC Along NH-30 (Bareilly- Pilibhit Road) From Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across At Existing Ch. 325.810 Km, At Design Ch. 6.600 Km, At Existing Ch 318.340 Km, At Existing Ch. 309.440 Km & At Existing Ch. 299.100 Km to develop CGD Network in Pilibhit district of Uttar Pradesh State.

Dear Sir,

Hindustan Petroleum Corporation Limited authorized by the Petroleum and Natural Gas Regulatory Board (PNGRB) to establish City Gas Distribution (CGD) infrastructure in the Bareilly and Pilibhit district of Uttar Pradesh State.

Hindustan Petroleum Corporation Limited is planning to develop City Gas distribution network in Pilibhit District as per directives of PNGRB.

The pipeline will be laid underground at a depth of minimum 1.2 Meter by Open Cut Method along the NH30 road and across the road by Horizontal directional drilling (HDD) method or as per directives. We ensure to retain the road to its original condition.

As per the Route Map, our proposed Gas Pipeline will be laid along and across NH-30 which is falling under your jurisdiction.

ROUTE MAP

Details of Along Route:

| Sr. No. | Design Chainage in Km | | Existing Chainage in Km | | Length in (m) | Total Length (m) | Remarks |
|---------|-----------------------|--------|-------------------------|---------|---------------|------------------|---------|
| | From | To | From | To | | | |
| 1 | 0.000 | 0.380 | | 328.900 | 380 | 36560 | LHS |
| 2 | | | 328.900 | 324.700 | 4200 | | LHS |
| 3 | 4.7 | 6.600 | | | 1900 | | LHS |
| 4 | 6.600 | 11.060 | | 318.340 | 4460 | | RHS |
| 5 | | 23.400 | 318.340 | 306.480 | 11860 | | RHS |
| 6 | 23.400 | 28.160 | | 301.720 | 4760 | | RHS |
| 7 | | | 301.720 | 292.720 | 9000 | | RHS |

Details of Crossings:

| Sr. No. | Design Chainage in Km | Existing Chainage in Km | Length in (m) | Total Length (m) | Remarks |
|---------|-----------------------|-------------------------|---------------|------------------|---------|
| 1 | | 325.810 | 30 | 175 | |
| 2 | 6.600 | | 45 | | |
| 3 | | 318.340 | 30 | | |
| 4 | | 309.440 | 35 | | |
| 5 | | 299.100 | 35 | | |

We are ready to pay fees/charges if any, as per the Government's rules and regulations and execute the agreement.

As this is a time bound project contributing to National Prosperity, most expeditious actions are requested to grant us the permission.

✓ **कार्यवाही - पूर्ण**
General Manager

Thanking you,

Yours sincerely,



अनिल कुमार
Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly

04-03-2023

Enclosures:

1. Application Letter.
2. Power of Attorney/Authorization
3. Authorization of PNGRB.
4. Checklist.
5. Annexure - A.
6. Annexure - B.
7. Annexure - C.
8. Undertaking - 1nos.
9. Annexure - 2.
10. Undertaking - 13nos.
11. License Deed
12. Methodology for along & across the road.
13. Typical Cross section for Open Trench.
14. Strip plan/Route plan
15. MoU dated 05-12-2022
16. BG Calculation
17. Additional Undertaking



महाराष्ट्र MAHARASHTRA

2021

BM 402778



प्रधान मुद्रांक कार्यालय, मुंबई
प.गु.वि.क्र. ८००००९८

19 MAY 2022

सक्षम अधिकारी

श्री. अ. बा. किर्णी

POWER OF ATTORNEY

TO ALL WHOM THESE PRESENTS SHALL COME I, **PUSHP KUMAR JOSHI**, ADDITIONAL CHARGE OF DIRECTOR - MARKETING OF HINDUSTAN PETROLEUM CORPORATION LIMITED, a Government Company, under the Companies Act, 2013 (hereinafter referred to as 'the Company') SEND GREETINGS:

WHEREAS by a Power of Attorney dated **06/05/2022** of the Company, I, **PUSHP KUMAR JOSHI**, am appointed as an Attorney of the Company to do, execute and perform all or any of the acts, deeds, matters and things therein mentioned or contained;

AND WHEREAS by the said Power of Attorney, it is inter-alia, provided that I, the said, **PUSHP KUMAR JOSHI**, shall have power to appoint one or more substitute or substitutes to do, execute and perform all or any of the acts, deeds, matters and things therein mentioned or contained.

Handwritten signature of Anil Kumar

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

जोडपत्र - २ Annexure - 1

| | |
|--|-------------------|
| दस्तावा प्रकार | POWER OF ATTORNEY |
| दस्त नोंदणी करणार आहेत का ? | YES/NO |
| मिळकतीचे वर्णन - | |
| मुद्रांक विकत घेणाऱ्याचे नाव | Joshi Pushp Kumar |
| दुसऱ्या पक्षकाराचे नाव | |
| हस्त असल्यास त्याचे नाव व पत्ता | |
| मुद्रांक शुल्क रुपयकम | |
| मुद्रांक क्रि. नं. वारी अनु. क्रमांक/दिनांक | 4589 |
| मुद्रांक विकत घेणाऱ्याची सही | |
| मुद्रांक सिध्दस्थाती सही | |
| परवाना क्रमांक : 6000090 | |
| मुद्रांक विक्रीचे नाव/पत्ता : श्री. कल्पेश प्रेमजी गाला | |
| सॉफ्ट नं. ४, भाज्योदय बिल्डींग, ७९ वणीनाथ मास्टर रोड, मुंबई - ४०० ०२० | |
| ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी मुद्रांक विक्रीसाठी | |
| मुद्रांक खरेदी केल्यापासून ६ महिन्यात वापरणे बंधनकारक आहे | |



भारतिय पेट्रोलियम कॉर्पोरेशन लिमिटेड
INDIAN PETROLEUM CORPN. LTD.
११, ब. टोला रोड, चण्डीगढ, पंजाब - १६० ०२०
११, B. Tola Road, Chandigarh, Punjab - 160 020



25 MAY 2022

अमित कुमार
AMIT KUMAR
सहायक - परियोजना
General Manager - Projects

AND WHEREAS in exercise of the power of appointing a substitute or substitutes given to me by the said Power of Attorney, I, the said **PUSHP KUMAR JOSHI**, am desirous of appointing **SHRI ANIL KUMAR, GENERAL MANAGER – PROJECTS**, of the said Hindustan Petroleum Corporation Limited to be my Attorney and as the Attorney of the Company:

KNOW ALL MEN BY THESE PRESENTS WITNESS THAT in exercise of the powers given to me by the said Power of Attorney, I, the said, **PUSHP KUMAR JOSHI**, hereby nominate, constitute and appoint **SHRI ANIL KUMAR, GENERAL MANAGER – PROJECTS**, as my Attorney and as the Attorney of the said Company in the Republic of India with full power and authority to do, execute and perform all or any of the following acts, deeds, matters and things :

1. to enter into and execute contracts for the sale of such merchandise as is dealt in by the said Company upon such terms as shall from time to time be stipulated;
2. to acquire by lease, lands and buildings and other premises required in the transaction of business of the said Company and to surrender such lease;
3. to ask, demand, levy, require, recover, receive and issue receipt for all such sums of money, debts dues and demands whatsoever now or hereafter due owing or payable to the said Company from any person or persons;
4. (i) to institute, prosecute and defend suits and other proceedings, to be present in the courts as plaintiff and defendant, to sign and verify plaints, written statements, applications, affidavits;
(ii) to appoint Advocates and to act for and on behalf of the Company in such suits and to do any and all lawful things necessary or proper for any such prosecution or defence;


ANIL KUMAR
General Manager - Projects

(iii) to cause any judgment, decree or order in favour of the Company to be executed;

(iv) to comply with or appeal from any judgment, decree or order adverse to the Company;

5. to enter into and become party to and to sign and execute all deeds, assurances, instruments, agreements, contracts, receipts, indemnities, counter indemnities, letters of subrogation and all other documents or writing on behalf of the Company except: (a) those required to be executed under its common seal and (b) which are otherwise provided for in the Articles of Association of the Company;

6. to sign any or all documents which are required by the Central Excise/Customs/Port/Railways/Central or State Government(s) or Corporation(s) and/or any other lawful authority and/or other parties on behalf of Hindustan Petroleum Corporation Limited;

7. to become party to sign, execute and present for registration and admit execution before any Registrar or Sub-Registrar of Assurances and to do every act, matter or thing necessary or proper to enable registration on behalf of the Company of all deeds, assurances, instruments, contracts, agreements, receipts and all other documents whatsoever;

8. from time to time to substitute and appoint any person or persons to act under or in the place of said Attorney in respect of all or any of the matters and to revoke such substitution at pleasure.

AND IN GENERAL to do all other acts, deeds, matters, things whatsoever in or about the conduct, management and administration of the business of the Company and all the affairs relating thereto, which in the opinion of the said Attorney ought to be done or be executed or performed by the Company individually or jointly with any person or persons in or about the premises aforesaid as fully and effectually to all intents and purposes as the Company itself could do.

AND THE COMPANY hereby ratifies and confirms and agrees at all times to ratify and confirm all and whatsoever the said Attorney shall lawfully do or cause to be done in or about the premises aforesaid by virtue of these presents.



अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Project

THIS Power of Attorney shall automatically stand revoked and cancelled in the event of **SHRI ANIL KUMAR** ceasing to be in the position stated herein above due to reassignment, transfer, promotion, resignation or any other reasons whatsoever.

IN WITNESS WHEREOF **PUSHP KUMAR JOSHI**, ADDITIONAL CHARGE OF DIRECTOR - MARKETING OF HINDUSTAN PETROLEUM CORPORATION LIMITED of Hindustan Petroleum Corporation Limited, being duly authorised to do so has hereunto set his hand this 16th day of JUNE, Two Thousand Twenty Two.

SIGNED AND DELIVERED by the)
withinnamed **PUSHP KUMAR JOSHI**)
ADDITIONAL CHARGE OF)
DIRECTOR - MARKETING)

Mania Perera

in the presence of



BEFORE ME

Bidhu
BIDHU PANICKER
B.Com., LL.B.
ADVOCATE HIGH COURT
NOTARY (Govt. of India)
Res: 303, Sandeep Apt., Plot No. A/197,
Sector-20, Near Balaji Temple,
Nerul (W), Navi Mumbai, Maharashtra.

Notary Reg. Sr. No. 4403/2022
In Book No. IV

16 JUN 2022



अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects





पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड

Petroleum and Natural Gas Regulatory Board

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

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

PNGRB/CGD/BID/10/2018/GA/10.37/Schedule-D

29th March 2019

To,

Hindustan Petroleum Corporation Limited

Natural Gas Department, 4th Floor, R&C Building,

Sir JJ Road, Byculla,

Mumbai - 400008

(Kind Attn: Shri Dilip Kumar Pattnaik, CGM, Gas & Renewables)

Subject: Grant of Authorisation to Hindustan Petroleum Corporation Limited for development of City Gas Distribution Network in the Geographical Area of Bareilly (Except area already authorized) District, Pilibhit and Rampur Districts (GA 10.37).

Sir,

With reference to submission of Performance Bank Guarantee for Rs. 50 crore vide your letter dated 28.03.2019, as per the requirement under Regulation 10 (1) of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008, please find enclosed authorization in Schedule D for the GA of **Bareilly (Except area already authorized) District, Pilibhit and Rampur Districts** in duplicate.

2. The tariff applicability is as per the Judgement of Hon'ble Supreme Court of India in the SLP No. 22273 of 2012.

3. You are requested to put your stamp & signature on each page of the document and return one copy, within 7 days of receipt of this communication, to the PNGRB for records.


4. The enclosed authorization issues with the approval of the Board.

Yours faithfully,


Encl: As above


तेजपाल सिंह चुंडावत
TEJPAL SINGH CHUNDAWAT
प्रबंधक - गैस विभाग
Manager - Gas Division




ANIL KUMAR
सहायक - परियोजना
General Manager - Projects


Arvind Kumar
(Additional Adviser)


ARVIND KUMAR
Additional Adviser
पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नयी दिल्ली - 110001
1st Floor, World Trade Centre,
Babar Road, New Delhi-110001

Schedule D

Grant of authorisation for laying, building, operating or expanding CGD network

To
Hindustan Petroleum Corporation Limited,
Natural Gas Department, 4th Floor, R&C Building,
Sir JJ Road, Byculla,
Mumbai - 400008

(Kind Attn: Shri Dilip Kumar Pattnaik, CGM, Gas & Renewables)

Subject: Grant of Authorization for laying, building, operating or expanding CGD network in the authorized area of Bareilly (Except area already authorized) District, Pilibhit and Rampur Districts in the State of Uttar Pradesh under the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008

Sir,

With reference to your application-cum-bid for grant of authorisation for laying, building, operating or expanding the City Gas Distribution (CGD) network in GA-10.37 (Bareilly (Except area already authorized) District, Pilibhit and Rampur Districts) in the State of Uttar Pradesh, it has been decided to grant you the authorisation subject to the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 and the following terms and conditions, namely:-

1. The Authorised Area for laying, building, operating or expanding the proposed CGD Network shall cover an area of 9886 square kilometer and as depicted in the enclosed drawing or map,

2. The activities of laying, building, operating or expansion of the CGD Network shall commence immediately after the issuance of this authorisation.

3. The activities permitted above shall have to be completed as per the work programme mentioned below, namely:

Tejpal Singh Chundawat
TEJPAL SINGH CHUNDAWAT
अधीक्षक - गैस विभाग
Manager - Gas Division



Arvind Kumar
ARVIND KUMAR
अधीक्षक - परियोजना
General Manager - Project

ARVIND KUMAR
अधीक्षक
अधीक्षक (परियोजना) गैस विभाग
अधीक्षक (परियोजना) गैस विभाग
अधीक्षक (परियोजना) गैस विभाग
अधीक्षक (परियोजना) गैस विभाग

| Serial Number | Description of work | Numbers |
|---------------|--|---------|
| 1 | Number of CNG Stations (Online and Daughter Booster stations) to be installed within 8 contract years from the date of authorisation | 140 |
| 2 | Number of domestic Piped Natural Gas connections to be achieved within 8 contract years from the date of authorisation | 145000 |
| 3 | Inch-km of steel pipeline to be laid within 8 contract years from the date of authorisation | 1200 |

The entity shall be required to achieve the year-wise work programme within 8 contract years as per details given below:

| PNG Connections (cumulative) | | CNG Stations (cumulative) | | Inch-km of steel pipeline (cumulative) | |
|---------------------------------|-------------------|------------------------------|-------------------|---|-------------------|
| By the end of contract year | % of work program | By the end of contract year | % of work program | By the end of contract year | % of work program |
| 1 st | Nil | 1 st | Nil | 1 st | 5 |
| 2 nd | 10 | 2 nd | 15 | 2 nd | 20 |
| 3 rd | 20 | 3 rd | 30 | 3 rd | 40 |
| 4 th | 30 | 4 th | 45 | 4 th | 60 |
| 5 th | 40 | 5 th | 60 | 5 th | 70 |
| 6 th | 60 | 6 th | 75 | 6 th | 80 |
| 7 th | 80 | 7 th | 90 | 7 th | 90 |
| 8 th | 100 | 8 th | 100 | 8 th | 100 |

Note - In case derived numbers are in fraction, the same shall be rounded off to the nearest whole number and 0.5 shall be rounded off to next higher whole number.

4. Any failure on the part of the entity in complying with the milestones prescribed in the work programme shall lead to consequences as specified under regulation 16.

5. The entity shall design and install an optimal size of the infrastructure in terms of pipelines of various types including steel belting of the authorised area, online compressors of adequate capacity for compressing of natural gas into CNG, allied equipment and facilities in the CGD network depending upon the potential demand for natural gas. The infrastructure in the CGD network should be adequate to maintain uninterrupted flow of natural gas in the pipelines and be also able to maintain supplies at adequate pressure to online CNG stations.

TEJPAL SINGH CHUNDAWAT
प्रबंधक - गैस विभाग
Manager - Gas Division



ARVIND KUMAR
अवर निदेशक
अवर निदेशक
1st Floor, World Trade Centre
Sahar Road, New Delhi-110001

6. The entity shall maintain an uninterrupted supply of natural gas to all categories of customers in the CGD network. In the event of any disruption in the supply of natural gas in the CGD Network, first priority shall be accorded to restoration of supplies to domestic PNG customers. In case of disruption of supply to domestic PNG customers for more than twelve hours, the entity shall compensate the domestic customer on the following manner, namely: -

- (a) the normative volume of natural gas consumption for the first domestic PNG connection for cooking requirements based on last three months weighted average consumption per day to be applied for each day's disruption and multiplied by ten;
- (b) normative value of natural gas consumption shall be based on last three months' weighted average billing price of natural gas for supplies to the first domestic PNG connection for cooking requirements; and
- (c) the value of compensation shall be equal to normative volume of natural gas consumption as per clause (a) above multiplied by normative value as per clause (b) and shall be adjusted by allowing a credit to the domestic PNG Customer in the next billing cycle or in the next pre-paid smart card in case of smart card metering.

In case the disruption of supplies is attributed to any fault of the domestic PNG customer, no compensation shall be payable by the entity.

7. The entity is allowed an exclusivity period under the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, in respect of the following, namely:

- (a) **300** months from the date of issue of this communication for laying, building and expansion of the CGD network; and
- (b) **96** months from the date of issue of this communication in terms of an exemption from the purview of common carrier or contract carrier for the CGD network:

Provided that the entity meets the obligations in line with the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

नेपाल गैस प्रा. लि.
TEJPAL SINGH CHUNDAWAT
प्रबंधक - गैस विभाग
Manager - Gas Division



अतिरिक्त सलाहकार
ARVIND KUMAR
अतिरिक्त सलाहकार
Additional Adviser
पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum & Natural Gas Regulatory Board
प्लॉट नं. 8, 8 & C ब्लॉक
10th Floor, World Trade Centre
अन्वेषण क्षेत्र, मुंबई - 400003
अध्यक्ष, पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड

Provided further that the period of exclusivity allowed under sub-clause (a) or sub-clause (b) may be terminated before the expiry of the period mentioned above in line with the provisions under Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

8. The authorised entity shall be required to take prior approval from the Board for creation of any lien, charge or hypothecation of the CGD network to secure finances for the project and furnish details of utilisation of funds. And, 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.

9. The entity shall submit a detailed and clear financial closure report to the Board within a period of two hundred and seventy days from the date of authorisation issued by the Board under regulation 10.

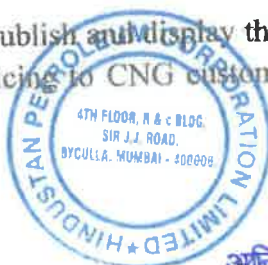
10. The entity shall publish on its website the transportation rate for CGD and transportation rate for CNG in the authorised area as per the following table namely: -

| Serial Number | Description | Rate |
|---|--|------|
| 1 | Transportation rate for CGD - in rupees per million British Thermal Unit (Rs./MMBTU) for the first contract year | 30 |
| 2 | Transportation rate for CNG - in rupees per kilogram (Rs. /kg) for the first contract year | 2 |
| Note - Annual escalation shall be considered from the second contract year and onwards based on the "Wholesale Price Index (WPI) Data (2011-12 = 100)" for "All Group / Commodity", as normally available on the website of the Office of the Economic Adviser, Government of India, Ministry of Commerce and Industry, Department of Industrial Policy and Promotion (DIPP) on the link " http://eaindustry.nic.in/home.asp ." | | |

11. The entity shall publish the applicable retail selling price of PNG for all categories of customers and also for the purpose of invoicing in Rs. / MMBTU.

12. The entity shall publish and display the retail selling price of natural gas for the purpose of invoicing to CNG customers in Rs. / Kg at all natural gas dispensing stations.

तेजपाल सिंह चुंडवत
TEJPAL SINGH CHUNDAWAT
प्रबंधक - गैस विभाग
Manager - Gas Division



अनिल कुमार
ANIL KUMAR
सहाप्रबन्धक - परियोजना
General Manager - Projects

अतिरिक्त सचिव
ADDITIONAL SECRETARY
अतिरिक्त सचिव
ADDITIONAL SECRETARY
पेट्रोलियम और प्राकृतिक गैस विभाग, नई दिल्ली
Petroleum & Natural Gas Division, New Delhi

13. The furnishing of performance bond of Rs. 500 Million is a guarantee for timely commissioning of the project as per the prescribed work programme in the bid and for meeting the service obligations during the operating phase of the project.

14. The entity shall comply with the applicable provisions under the Petroleum and Natural Gas Regulatory Board (Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008, the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008, relevant regulations for technical standards and specifications, including safety standards, any other regulations as may be applicable and the provisions of the Act.

15. In case the authorisation of the entity is terminated, the Board may assign the rights and obligations of the entity 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 CGD network at the same level till another agency or entity appointed by the Board takes over the full control of the CGD network.

16. The entity shall comply with any other term or condition which may be notified by the Board in public interest from time to time.

You are requested to confirm your acceptance by filling-in the acceptance of the grant of authorisation provided below and return the same in original.

Yours faithfully,

Dated:

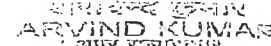
Name and Designation of Officer
On behalf of the PNGRB

Official Seal


तेजपाल सिंह चंडावत
TEJPAL SINGH CHUNDAWAT
प्रबंधक - गैस विभाग
Manager - Gas Division




ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Projects


ARVIND KUMAR
अपर सचिव/अधीक्षक
Additional Adviser
पेट्रोलियम और प्राकृतिक गैस विनियामक बोर्ड
Petroleum & Natural Gas Regulatory Board
असम रास्ता, मल्ल रोड रोड
1st Floor, World Trade Centre
नगर रोड, नई दिल्ली - 110021
Connaught Place, New Delhi - 110021

**GEOGRAPHICAL AREA
BAREILLY (EXCEPT AREA ALREADY
AUTHORIZED), Pilibhit AND RAMPUR
DISTRICTS**

KEY MAP



| | |
|---------------------------------|-----------|
| Total Geographical Area (Sq Km) | 9,886 |
| No. of Charge Area | 15 |
| Total Households | 12,06,337 |
| Total Population | 75,14,650 |

| CHARGE AREA ID | NAME | CHARGE AREA ID | NAME |
|----------------|-----------|----------------|-----------|
| CA-01 | Tanda | CA-09 | Aonla |
| CA-02 | Swar | CA-10 | Faridpur |
| CA-03 | Rampur | CA-11 | Nareegani |
| CA-04 | Shahabad | CA-12 | Pilibhit |
| CA-05 | Milak | CA-13 | Bisalpur |
| CA-06 | Bilaspur | CA-14 | Puranpur |
| CA-07 | Banedi | CA-15 | |
| CA-08 | Nareegani | | |

LEGEND

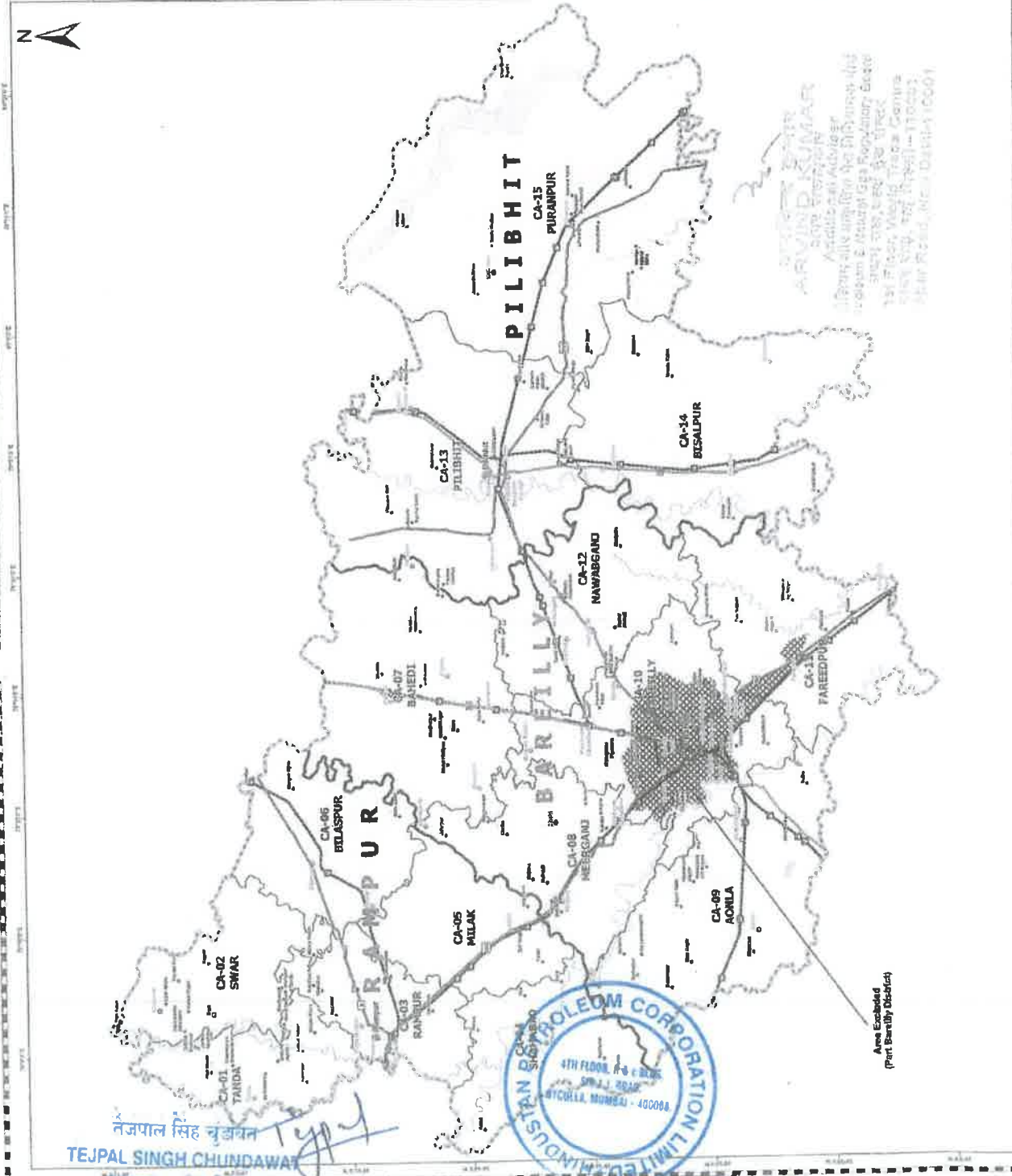
| VECTOR | LANDMARK |
|---------------------------------------|-----------------|
| DISTRICT HEADQUARTER | RAILWAY STATION |
| TOWN | |
| VILLAGE WITH POPULATION 500 AND ABOVE | |
| NATIONAL HIGHWAY | |
| STATE HIGHWAY | |
| RAILWAY | |
| IN BOUNDARY | |
| OUT OF BOUNDARY | |
| CHARGE AREA BOUNDARY | |
| WATER BODY | |
| AREA EXCLUDED | |
| URBASTRA AREA | |

MAP SCALE



PETROLEUM AND NATURAL GAS REGULATORY BOARD
(11 Floor, New India Centre, Naraina Road, New Delhi 110028)

| | |
|-----------|--|
| Map No. | 2014/2017 |
| Date | Nov-18 |
| Map Title | Geographical Area Bareilly (except area already authorized), Pilibhit and Rampur Districts |




तेजपाल सिंह चुंडावा
TEJPAL SINGH CHUNDAWAY
Manager - Gas Division

अनिल कुमार
ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Projects

CHECK – LIST

Check list for getting approval for laying of Gas pipeline with OFC on NH Land

| Sr. No. | Item | Information / Status | Remarks |
|---------|--|---|---------|
| 1 | General Information | | |
| 1.1 | Name and Address of the Applicant / Agency | Hindustan Petroleum Corporation Limited City Gas Distribution, UP&UK cluster 1st & 2nd floor Mahalaxmi Towers, 112 Civil lines, Bareilly. Bareilly- 243001, U.P. | |
| 1.2 | National Highway Number | NH-30 | |
| 1.3 | State | Uttar Pradesh | |
| 1.4 | Location | Bareilly & Pilibhit | |
| 1.5 | (Chainage in Km) | <p><u>Along the Road:</u> Along: NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch. 328.900 Km), From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design 6.600 Km to Design Ch. 11.060 Km (Existing Ch. 318.340 Km), From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 km), From Design Ch. 23.400 to Design Ch. 28.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km to 292.720 Km RHS.</p> <p><u>Across the Road:</u> Across: At Existing Ch. 325.810Km • At Design Ch. 6.600 Km At Existing Ch. 318.340Km • At Existing Ch. 309.440 Km At Existing Ch. 299.100 Km</p> | |
| 1.6 | Length in Meters | <p><u>Along the Road:</u> Along: NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch. 328.900 Km), From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design 6.600 Km to Design Ch. 11.060 Km (Existing Ch. 318.340 Km) RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 km), From Design Ch. 23.400 to Design Ch. 28.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km to</p> | |


KUMAR
General Manager - Project

| | | | |
|------|--|---|--|
| | | 292.720 Km RHS (Length = 36560 M) <u>Across the Road:</u> Across: At Existing Ch.325.810Km At Design Ch. 6.600 Km At Existing Ch.318.340Km At Existing Ch.309.440 Km At Existing Ch. 299.100 Km (Length = 175 M) | |
| 1.7 | Width of available ROW | 28, 30,35 & 40 M in Existing Chainage and 45 M in Design Chainage | |
| | (a) Left side from center line towards increasing chainage / km direction | 14,15, 17.5 & 20 M Variable in Existing Chainage and 22.5 M in Design Chainage | |
| | (b) Right side from center line towards increasing chainage / km direction | 14,15, 17.5 & 20 M Variable in Existing Chainage and 22.5 M in Design Chainage | |
| 1.8 | Proposal to lay underground Gas pipeline with OFC cable | | |
| | (a) Left side from center line towards increasing chainage / km direction | YES, From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch.328.900 Km), From Existing Ch.328.900 Km to 324.700 Km LHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS. | |
| | (b) Right side from center line towards increasing chainage / km direction | YES, From Design Ch. 6.600 Km to 11.060 Km RHS (Existing Ch. 318.340 Km), From Existing Ch. 318.340 Km to Existing Ch. 306.480Km RHS (Design Ch. 23.400 km.), From Design Ch. 23.400 to Design Ch. 28.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km to 292.720 Km RHS. | |
| 1.9 | Proposal to acquire Land | NA | |
| | (a) Left side from center line | | |
| | (b) Right side from center line | | |
| 1.10 | Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable | NA NA | |
| 1.11 | Details of already laid services, if any, along the proposed route | N/A. | |
| 1.12 | Number of lanes (2/4/6/8 lanes) existing | 2/4 Lane | |
| 1.13 | Proposed Number of lanes (2 lane with paved shoulders /4 /6/8 lanes) | 4 Lane with widening | |

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | | |
|------|---|-----------------------------------|--|
| | | | |
| 1.14 | Service Road existing or not | No | |
| | If yes then which side | | |
| | (a) Left side from center line | | |
| | (b) Right side from center line | | |
| 1.15 | Proposed Service Road | Yes | |
| | (a) Left side from center line | Yes | |
| | (b) Right side from center line | Yes | |
| 1.16 | Whether proposal to lay Gas pipeline with OFC is after the service road or between the service road and main carriageway | N/A. | |
| 1.17 | The permission for laying of Gas pipeline with OFC shall be considered for approval / rejection based on the Ministry Circulars mentioned as above. | Yes | |
| | (a) Carrying of sewage / Gas pipelines on highway bridges shall not be permitted as Fumes / Gas pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Gas. | For Natural Gas pipeline with OFC | |
| | (b) Carrying of Gas pipelines on bridges shall not be discouraged. However, if the Gas authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc. | N/A | |
| | (c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities. | N/A | |
| | (d) Services are not being allowed indiscriminately on the parapet / any | N/A | |

| | | | |
|------|---|---------------------------------|--|
| | (d) Services are not being allowed indiscriminately on the parapet / any part of the bridges; Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only. | N/A | |
| 1.18 | If crossings of the road involved If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line | Yes | |
| | (a) Existing drainage structures shall not be allowed to carry the lines. | Agree | |
| | (b) The utility services shall cross the National Highway preferably on a line normal to it or as nearly show as practicable. Hindustan Petroleum Corporation Limited 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. | Yes | |
| | (c) The casing pipe may be installed under the route embankment either by boring or digging a trench. Installation by boring method shall prefer. | Yes, Casing Will Be Provided | |
| | (d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete | Yes | |


 Anil Kumar
 Project Chief Engineer


 Anil Kumar
 Project Chief Engineer


| | | | |
|-----|---|----------|--|
| | and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable. | | |
| | (e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path. | Yes | |
| | (f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills. | Yes | |
| | (g) The top of the casing / conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts. | Yes | |
| | (h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type. | Yes | |
| | (i) The casing / conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a Gas way along it. | Yes | |
| 2 | Document / Drawings enclosed with the proposal | Enclosed | |
| 2.1 | Cross section showing the size of trench for open trenching method (Is it normal size of 1.2-meter-deep X 0.6 meter wide) (i) Should not be greater than 60 cm wider than the outer diameter of the pipe (ii) Located as close to the extreme edge of the right-of-way as possible but the utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. (iii) The casing pipe shall be installed under the road embankment either by boring | Enclosed | |


 Anil Kumar
 Project Engineer
 - Civil Engineer -



 Anil Kumar
 Project Engineer
 - Civil Engineer -

| | | | |
|-------|---|----------|--|
| | <p>or digging a trench. Installation by boring method shall be preferred.</p> <p>(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.</p> | | |
| 2.2 | Cross section showing the size of pit and location of cable for HDD method | Enclosed | |
| 2.3 | Strip plan / Route plan showing Gas pipeline with OFC, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc. | Enclosed | |
| 2.4 | Methodology for laying of Gas pipeline with OFC | Enclosed | |
| 2.4.1 | Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench | Agree | |
| | (a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe. | Agree | |
| | (b) For filling of the trench, Bedding shall be to a depth of 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. | Agree | |
| | Unsuitable soil and rock edged should be excavated and replaced by selected material. | Agreed | |
| | (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. | Agreed | |
| | (d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by | Agreed | |


 अनिल कुमार
 ANIL KUMAR
 प्रमाणित - प
 Manager


 Anil Kumar
 (Design) - Bareilly Project

| | | | |
|-------|--|--|--|
| | mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted. | | |
| | (e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench. | Agreed | |
| | (f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. | Agreed | |
| | (g) If required, a diversion shall be constructed at the expense of agency owning the utility line | Agreed | |
| 2.4.2 | Horizontal Directional Drilling (HDD) Method | Yes | |
| 2.4.3 | Laying of Gas pipeline with OFC through CD works and method of laying | | |
| | (a) The utility services shall cross the National Highway preferably on a line normal to it for as nearly so as practicable and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. RW/NH-33044/29/ 2015/S&R(R) – Dtd. 22nd November, 2016 | Yes | |
| 3 | Draft License Agreement signed by two witnesses | Enclosed | |
| 4 | Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs..... per running meter (parallel to NH) and Rs per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and | Will obtain at the time of receipt of permission | |


अनिल कुमार
ANIL KUMAR
 अधिकारी - परियोजना
 Manager -



Project Leader
 NHAI/Cellular Infrastructure
 (Siliguri-Bardoli Project)

| | | | |
|------|--|----------|--|
| | compaction, clearing debris / loose earth produced due to execution of trenching at least 50 meters away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth. | | |
| 4.1 | Performance BG as per above is to be obtained. | Yes | |
| 4.2 | Confirmation of BG has been obtained as per NHAI guidelines | No | |
| 5 | Affidavit / Undertaking from the Applicant for | | |
| 5.1 | Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency | Enclosed | |
| 5.2 | Renewal of Bank Guarantee | Enclosed | |
| 5.3 | Confirming all standard condition of NHAI guideline | Enclosed | |
| 5.4 | Shifting of Gas Pipeline with OFC as and when required by NHAI at their own cost | Enclosed | |
| 5.5 | Shifting due to 6 lanning / widening of NH | Enclosed | |
| 5.6 | Indemnity against all damages and claims clause (xxiv) | Enclosed | |
| 5.7 | Traffic movement during laying of Gas pipeline with OFC to be managed by the applicant | Enclosed | |
| 5.8 | If any claim is raised by the Concessionaire, then the same has to be paid by the applicant | Enclosed | |
| 5.9 | Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing Gas Pipeline located in the National Highway right-of-ways. | Enclosed | |
| 5.10 | Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas Pipeline with OFC will be borne by the agency owning the line. | Enclosed | |
| 5.11 | If the NHAI considers it necessary in future to move the utility line for | Enclosed | |

ANIL KUMAR
परिचालन
Manager - 1

Team Leader
परिचालन/परिचालन
(परिचालन/परिचालन)

| | | | |
|------|---|--|--|
| | any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given. | | |
| 5.12 | Certificate from the applicant in the following format | Enclosed | |
| | (i) Laying of Gas Pipeline with OFC will not have any deleterious effects on any of the bridge components and roadway safety for traffic. | | |
| | (ii) for 6 – lanning “We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI” for future Six – lanning or any other development.” | | |
| 6 | Who will sign the agreement on behalf of Gas Pipeline agency Power of attorney to sign agreement available or not. | Anil Kumar (General Manager, HPCL CGD - Projects). | |
| 7 | Certificate from the Project Director | | |
| 7.1 | Certificate for confirming of all standard condition issued vide Ministry Circular No. – NH-41(58)/68 dated – 31.1.1969, Ministry Circular No. – NH-III/P/66/76 dated– 18/19.11.1976, Ministry Circular No. – NH-RW/NH-III/P/66/76 dated – 11.5.1982, Ministry Circular No. – RW / NH-11037 / 1 / 86 – DOI (ii) dated – 28.7.1993, Ministry Circular No. – RW / NH-11037 / 1 / 86/DOI dated – 19.1.1995, Ministry Circular No. – RW / NH-34066 / 2 / 95 S&R dated – 25.10.1999, Ministry Circular No. – RW / NH-34066 / 7 / 2003 S&R (B) dated – 17.9.2003 and RW/NH-33044/29/2015/S&R(R) – Dated 22nd November, 2016 | Yes | |
| 7.2 | Certificate from PD in the following format | Yes | |
| | (i) “It is certified that any other location of the Gas Pipeline | | |


 अनिल कुमार
 ANIL KUMAR
 Project Manager


 Anil Kumar
 Project Manager

| | | | |
|----|--|----------|--|
| | with OFC would be extremely difficult and unreasonable costly and the installation of Gas Pipeline with OFC within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc". | | |
| | (ii) for 6 – Lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning". | | |
| 8 | If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right of lay cable / duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [_____ section from Km _____ to Km _____ of NH No – _____ on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same." | Enclosed | |
| 9 | Who will supervise the work of laying of Gas Pipeline with OFC? | HPCL | |
| 10 | Who will ensure that the defects in road portion after laying of Gas Pipeline with OFC are corrected and if not corrected then what action will be taken. | NHAI | |
| 11 | Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire | HPCL | |

| | | | |
|----|--|--|--|
| 12 | A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed). | | |
| 13 | If any previous approval is accorded for laying of underground Gas Pipeline with OFC then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed | | |

Yours Sincerely



अनिल कुमार
Anil Kumar
General Manager Projects
Hindustan Petroleum Corporation
Bareilly.

Date :
Place : Bareilly

12-01-2023


23/1/23

1824 Leader
1824/21/23
(Bareilly Bareilly Agency)

Details of Laying Underground Pipeline with OFC Along National Highway

1. (i) Name of company asking for Permission : Hindustan Petroleum Corporation Limited.
- (ii) Contact Person: Name & Designation : Anil Kumar
General Manager - Projects
- (iii) Full Address : City Gas Distribution, UP&UK cluster
1st & 2nd floor Mahalaxmi Towers, 112
Civil lines, Bareilly
- (iv) Telephone No. and Fax : (M) +91-8755553223
- (v) Details & purpose for laying the pipe line crossing through NHAI Land : To develop City Gas Distribution
Network in Bareilly and Pilibhit district
and its surrounding Area of Uttar
Pradesh State.
- (vi) Any other details regarding laying:
- (a) Distance of proposed site from the Center of the road. : Within ROW of NH-30
- (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) : Yes
2. Details regarding road alignment whether U/G Cable / pipe is to be laid along the road :
- (i) Name of Road : NH-30
- (ii) Category of road (to be ascertained from Km. stone on road side) : **1. Along NH-30:**

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch. 328.900 Km), From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS (Existing Ch. 318.340 Km), From

Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400km.), From Design Ch. 23.400 to Design Ch. 28.160 Km RHS (Existing Ch. 301.720Km), Existing Ch. 301.720 Km to 292.720 Km RHS.

(Length = 36560 M)

2. Across the NH-30:

Across: At Existing Ch.325.810Km
At Design Ch. 6.600km
At Existing Ch. 318.340Km
At Existing Ch.309.440Km
At Existing Ch. 299.100 Km

(Length = 175 M)

(iii) Width of the road

- (a) Formation width measured from earthen bank : 10.00m
- (b) Black Topped carriageway width : 10.00 m. (including both lanes)
- (c) Road Boundary (extent of highway land) : 35/45 m.
(All these details are to be shown on the drawing also)
- (d) Location of pipeline laying Crossing :

1. Along NH-30:

NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch.328.900 Km), From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS(Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS (Existing Ch. 318.340 Km), From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 km.), From Design Ch. 23.400 to Design Ch. 28.160Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km to 292.720 Km RHS.

2. Across the NH-30:

Across: At Existing Ch.325.810Km
At Design Ch. 6.600 Km
At Existing Ch. 318.340Km
At Existing Ch. 309.440Km
At Existing Ch. 299.100 Km

(Length = 175 M)

अनिल कुमार
ANIL KUMAR
महासंचालक - सड़क विभाग
General Manager - Roads

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

4. **GEOGRAPHICS OF THE PIPELINE ROUTE**

- (a) Dimension of the Pipeline trench : 0.6 m width and 1.2 m depth for along the road
- (b) Dimension of Protection pipe. : 10"/12 Ø (for crossing only)
- (c) Diameter of the Pipeline / Cable. : 6"/8" Ø Steel Pipe
- (d) Right of User : 0.6 m
5. (i) This is to certify that no Govt. Land shall be occupied by HPCL except for the purpose of laying of UG Cables / Pipeline. : Agreed
- (ii) This is to certify that the work shall be in accordance with the Govt. Rules and regulations in force from time to time and binding to GAIL Gas. : Agreed
- (iii) This is to certify that all required cost and fees as per rules and regulation of the Govt. will be deposited timely. : Agreed

Yours Sincerely



Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly.

Date : 04.03.2023
Place : Bareilly

Annexure – B

Information to be furnished along with the proposal for laying of underground Pipeline with OFC along National Highway

1. Exact location of crossing with Chainage of the National Highway and right of way of NH Division at Crossing point :
 1. **Along NH-30:**
NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch.328.900 Km), From Existing Ch.328.900 Km to 324.700 Km LHS(Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS (Existing Ch. 318.340 Km),From Existing Ch. 318.340 Km to Existing Ch. 306.480Km RHS (Design Ch. 23.400km.), From Design Ch. 23.400 to Design Ch. 28.160Km RHS (Existing Ch. 301.720Km), Existing Ch. 301.720 Km to 292.720 Km RHS.
(Length = 36560 M)
 2. **Across the NH-30:**
Across: At Existing Ch.325.810Km
At Design Ch. 6.600 Km
At Existing Ch. 318.340 Km
At Existing Ch.309.440 Km
At Existing Ch. 299.100 Km
(Length = 175 M)
Enclosed
2. Table showing distance of cable / pipe and ROW From centerline of Highway (Minimum distance of Cable / Pipe inside from edge of ROW edge) :
3. Methodology of crossing in NH by trench less technique : Enclosed
4. Crossing details: Plan & Cross section drawing showing depth of crossing at a minimum 1.5 m from existing ground with sealing ends pipe : Enclosed
5. Route index plan along the Highway showing the following : Enclosed
 - (A) Existing ROW of NH in Green color
 - (B) Cable / Pipe in Pink color
6. Undertaking that you shall take care of existing Service lines that have been laid previously : Enclosed

Yours Sincerely



Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly.

Date: 04-03-2023
Place: Bareilly

**Conditions to be enclosed / incorporated in the approval letter for
Permission for laying of Gas Pipeline with OFC**

1. Any damage during the laying of pipeline to existing service lines (Gas pipeline, water supply line, electric line or any other line) should be got repaired immediately at the agency's own risk and cost.
2. Necessary precaution should be taken to avoid accident during construction work.
3. Cautionary board where required should be kept on site before starting the work of laying pipes.
4. Prior approval of department shall be obtained before undertaking the work of installation, shifting, repairs or alternating to the utility line located in the NHAI's right of way.
5. Before starting the work, prior written information by Registered Post AD should be given to Project Director, NHAI – PIU
6. If NHAI considers it necessary in the future to remove the pipeline for any work of improvement / repairs of road, it will be carried out as desired by NHAI at the cost of agency within a reasonable time.
7. NHAI does not guarantee the preservation of agency's property from any type of damage that may occur due to road work carried out later.
8. If any accident is occurring during the execution or completion of work by the agency, the complete responsibility shall be fully on the head of agency.
9. In future, at the time of widening the road or any other work of NHAI, the line shall have to be removed / shifted by the agency at their own cost without claim of compensation within 60 days.
10. A security deposit of Rs. per meter., BG should be paid before start of work.
11. An agreement on stamp paper of Rs. 100/- is required to be made between NHAI and agency before start of work. This shall also include No Claim Certificate.

Yours Sincerely



Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly

12.01.2023



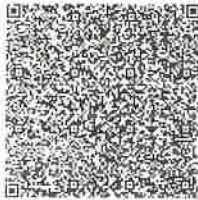
INDIA NON JUDICIAL

Government of Uttar Pradesh

e-Stamp



| | |
|---------------------------|--|
| Certificate No. | : IN-UP03157168001744V |
| Certificate Issued Date | : 09-Jan-2023 06:52 PM |
| Account Reference | : NEWIMPACC (SV)/ up14336004/ BAREILLY SADAR/ UP-BLY |
| Unique Doc. Reference | : SUBIN-UPUP1433600499841348371530V |
| Purchased by | : HINDUSTAN PETROLIUM CORPORATION LIMITED BAREILLY |
| Description of Document | : Article 4 Affidavit |
| Property Description | : NA |
| Consideration Price (Rs.) | : |
| First Party | : HINDUSTAN PETROLIUM CORPORATION LIMITED BAREILLY |
| Second Party | : Not Applicable |
| Stamp Duty Paid By | : HINDUSTAN PETROLIUM CORPORATION LIMITED BAREILLY |
| Stamp Duty Amount(Rs.) | : 100 (One Hundred only) |



Please write or type below this line

UNDERTAKING

I, the undersigned, Mr. Anil Kumar, residing at Bareilly, Occupation: Service as a General Manager (Projects) – (with Hindustan Petroleum Corporation Limited Bareilly).


अनिल कुमार
ANIL KUMAR
प्रबंधक - परियोजना
Manager - Projects

Hindustan Petroleum Corporation Limited City Gas Distribution, UP&UK cluster 1st & 2nd floor Mahalaxmi Towers, 112 Civil lines, Bareilly 243001, U.P., India, on behalf of Hindustan Petroleum Corporation Limited Bareilly hereby undertakes the responsibilities of laying of pipeline along National Highway at below mentioned locations as per the technical specification and approved drawings of National Highway (NHAI). Also, the pipeline does not pose any problem / hindrance for the six Lanning, widening and future service roads to be generated due to implementation NH-30.

Along the Road:

NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch.328.900 Km), From Existing Ch.328.900 Km to 324.700 Km LHS (Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS (Existing Ch. 318.340 Km), From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS (Design Ch. 23.400 Km), From Design Ch. 23.400 to Design Ch. 28.160 Km RHS (Existing Ch. 301.720 Km), Existing Ch. 301.720 Km to 292.720 Km RHS.

(Length = 36560 M)

Across the Road:

Across: At Existing Ch.325.810 Km, At Design Ch. 6.600 Km, At Existing Ch. 318.340 Km, At Existing Ch.309.440 Km & At Existing Ch. 299.100 Km

(Length = 175 M)

Pipeline with OFC length and depth of pipeline with OFC will be maintained to suit the requirement of National Highway and work will be carried out keeping safety points into consideration.

Pipeline with OFC will be laid by Open-Cut method along the road and Crossing will be carried out by HDD method and the Gas pipeline with OFC shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. The casing pipe of the Gas pipeline shall be installed under the road embankment either by boring or digging trench. However, installation by boring method shall be preferred. The Gas Pipeline along shall be laid along the National Highway beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW as possible from any existing structure and care will be taken for all existing utility services; in accordance with Ministry's guidelines issued vide letter No. RW/NH-33044/29/2015/S&R(R) – Dtd. 22nd November, 2016. While for along portion, pipeline will be laid by open cut method 2 m wide utility corridor on either side of the extreme edge of ROW. Hindustan Petroleum Corporation Limited Bareilly 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.

Yours Sincerely



Anil Kumar
General Manager - Projects

Hindustan Petroleum Corporation Limited
Bareilly
General Manager - Projects

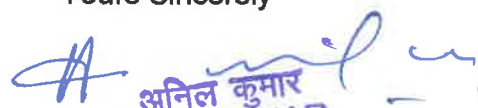
Date: 04.03.2023

Place: Bareilly

Annexure – 2

| Affidavit / Undertaking from the Applicant for laying of Pipeline with OFC | |
|---|---|
| 1 | Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency |
| 2 | Confirming all standard condition of NHAI's guideline |
| 3 | Shifting of Gas pipeline with OFC as and when required by NHAI at HPCL own cost |
| 4 | Shifting due to 6 Lanning / widening of NH |
| 5 | Indemnity against all damages and claims clause (xxiv) |
| 6 | Traffic movement during laying of Gas pipeline with OFC to be managed by the applicant |
| 7 | If any claim is raised by the Concessionaire, then the same has to be paid by the applicant |
| 8 | Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline located in the National Highway right-of-ways. |
| 9 | Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline will be borne by the agency owning the line. |
| 10 | If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given. |
| 11 | Certificate from the applicant in the following format (a) Laying of Gas pipeline with OFC will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (b) for 6 – Lanning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-Lanning or any other development." |
| 12 | Renewal of Bank Guarantee |
| 13 | Undertaking for payment of Way Leave Facilities / Easement Rights on NH Land |

Yours Sincerely



अनिल कुमार
ANIL KUMAR
Anil Kumar - परियोजना

General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly.

Date : 12-01-2023
Place : Bareilly



INDIA NON JUDICIAL
Government of Uttar Pradesh

e-Stamp



Certificate No. : IN-UP05955121624477V
Certificate Issued Date : 12-Jan-2023 04:14 PM
Account Reference : NEWIMPACC (SV)/ up14613704/ BAREILLY SADAR/ UP-BLY
Unique Doc. Reference : SUBIN-UPUP1461370405485604956139V
Purchased by : HPCL BAREILLY
Description of Document : Article 5 Agreement or Memorandum of an agreement
Property Description : Not Applicable
Consideration Price (Rs.) :
First Party : HPCL BAREILLY
Second Party : Not Applicable
Stamp Duty Paid By : HPCL BAREILLY
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



Please write or type below this line

**LICENSE DEED FOR RIGHT OF WAY PERMISSION FOR LAYING GAS PIPELINE
WITH OFC ON NATIONAL HIGHWAY LAND**

**Laying of 6''& 8'' Dia Steel Pipeline with OFC to supply Natural Gas along with
NH-30 in Bareilly and Pilibhit District.**


अनिल कुमार
ANIL KUMAR
धक - १ जना

Statutory Alert:

1. The authenticity of the Stamp certificate should be verified at www.shelstanamapnana.com using the Subjects and summary in the details on this Certificate and as available on the website / Mobile App rendered at
2. The responsibility of checking the legitimacy is on the users of the certificate
3. In case of any discrepancy please inform the Competent Authority

An AGREEMENT made this _____ day of _____ (month) of _____ year _____ between the President of India / National Highways Authority of India (hereinafter called the Government which expression shall, unless excluded by or repugnant to the context, include his successors in office and assigns) of the ONE PART and Hindustan Petroleum Corporation Limited City Gas Distribution, UP&UK cluster 1st & 2nd floor Mahalaxmi Towers, 112 Civil lines, Bareilly. Bareilly-243001, U.P.

(Hereinafter called the 'Licensee' which expression shall, unless excluded by or repugnant to the context, include his heirs its successors / their successors and assigns) of the SECOND PART.

WHEREAS the licensee has applied to the Government / NHAI for permission to lay Gas pipeline with OFC.

Along NH-30:

NH-30 From Design Ch. 0.000 Km to 0.380 Km LHS (Existing Ch.328.900 Km), From Existing Ch.328.900 Km to 324.700 Km LHS(Design Ch. 4.7 Km), From Design Ch. 4.7 Km to 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS (Existing Ch. 318.340 Km),From Existing Ch. 318.340 Km to Existing Ch. 306.480Km RHS (Design Ch. 23.400km.), From Design Ch. 23.400 to Design Ch. 28.160Km RHS (Existing Ch. 301.720Km), Existing Ch. 301.720Km to 292.720 Km RHS to develop CGD Network in Bareilly & Pilibhit district of Uttar Pradesh State.

Across NH-30:

Across: Across: At Existing Ch.325.810 Km, Design Ch. 6.600km, Existing Ch. 318.340Km , Existing Ch.309.440 Km & Existing Ch. 299.100 Km to develop CGD Network in Bareilly & Pilibhit district of Uttar Pradesh State.

And whereas the Authority has agreed to grant such permission for way leave on the NH- Row as per terms and conditions herein 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 utility services as per the approved drawing attached hereto subject to the following conditions, namely.

1. ROW permissions are only enabling 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 services provider, either by content or by internet. 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.

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

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 utilities laid by the first user subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirement 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 clearance, 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 B.G of Rs. to the Authority. The Licensee. For laying of utilities/Cables/Conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Above 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 2.00m 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 subjects to technical requirements being fulfilled.
7. The utility services shall be laid at 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 embankment 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 railing/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 affixing and supporting arrangement as assessed by the Authority cost on account of fixing and


ANIL KUMAR
परि
मोटर

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 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 5.0 meter below the ground level. However, any structure above ground shall be aesthetically provide 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 carrier pipeline should be extend minimum 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 carrier conduit pipe containing the utility services to cross the road shall be at least 5.0 m below the top of the sub grade or the existing ground level whichever is lower, subject to being at lease 0.5m below the drain inverts. A typical sketch showing the clearance is given in Attachment-I
14. The utility services shall cross the National Highway preferable on a line normal Toit 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 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 not less than 30 cm.It shall consist of granular material. Free of lumps, clods and cobbles and graded to yield a firm surface

अनिल कुमार
ANIL KUMAR
मुख्य - परिचालन
Mandg - 11-11-2019

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 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 CRN 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 works subsequent to laying of cable shall 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 at RS.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 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 mentioned above, the Licensee shall be required to replenish and reinstate the required 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 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. Not with standing

ANIL KUMAR
ANIL KUMAR
Manager - F

this. The Licensee shall be liable to pay full compensation to the aggrieved Authority /it's designed 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 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 installation/ utilities/ facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall produce insurance from a reputed insurance company against damages to already existing underground installation /utilities/ facilities etc.
23. The Licensee shall be responsible/liable for full compensation/indemnification of concerned agency/aggrieved Authority for any direct, in direct 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 damage/recover the claims by 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 Authority at the cost and risk of the Licensee
25. Grant of Licensee 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 consultations 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 damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

अनिल कुमार
ANIL KUMAR
प्रमुख - परियोजना
Manager - Projects

26. The Licensee shall inform/give a notice to The Concerned Agency Designed by the Authority at least 15 days 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 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 designed 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 coordination with the Authority.
32. The permission granted shall not in any way be demand 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 confirmed only by the content and permission of the Authority so that the right of the Licensee to the use there of shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the stamp Duty charged on this Agreement.


अनिल कुमार
ANIL KUMAR
न - परियोजना
महाराष्ट्र - ४२

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 authorized representative 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 i.e. by such cancellation not 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, 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.


अमित कुमार
AMIT KUMAR
ए - सी
- २०२०

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 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 binding on all.
43. For 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 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 on stamped copy each.

IN WITNESS WHERE OF THE PARTIES HERE TO 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 HPCL (LICENSEE)

Yours Sincerely

Anil Kumar

General Manager - Projects
Hindustan Petroleum Corporation Limited
Bareilly, UP.

महाप्रबन्धक - परियोजना
General Manager - Projects

12-01-2023

IN THE PRESENCE OF (WITNESSES):

- (Project Engg.)
1. Ashwani Kumar (Ashwani)
(GET)
 2. Syshil Kumar Yadav (Syshil)



INDIA NON JUDICIAL
Government of Uttar Pradesh

e-Stamp



Certificate No. : IN-UP05948060709143V
Certificate Issued Date : 12-Jan-2023 04:11 PM
Account Reference : NEWIMPACC (SV)/ up14613704/ BAREILLY SADAR/ UP-BLY
Unique Doc. Reference : SUBIN-UPUP1461370405471103224937V
Purchased by : HPCL BAREILLY
Description of Document : Article 4 Affidavit
Property Description : Not Applicable
Consideration Price (Rs.) :
First Party : HPCL BAREILLY
Second Party : Not Applicable
Stamp Duty Paid By : HPCL BAREILLY
Stamp Duty Amount(Rs.) : 50
(Fifty only)



Please write or type below this line

UNDERTAKING

1. Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency


अनिल कुमार
ANIL KUMAR
अधिकारी - परियोजना
3. Manager - P.

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at www.sholestamp.com or using a Stamp Mobile App (at Store) if not available.
2. Any discrepancy in the details on this Certificate, and as available on the website / Mobile App (where it is available).
3. The onus of checking the legitimacy is on the users of the certificate.
4. In case of any discrepancy please inform the Competent Authority.

We will take full care not to damage any existing service lines during the crossing of pipe line (Gas pipe line, Water supply line, Electric line or any other line) and if damage occurs than Hindustan Petroleum Corporation Limited will pay all losses either to the concerned agency or to NHAI.

2. Confirming all Standard condition of NHAI's guideline

Hindustan Petroleum Corporation Limited. Hereby confirm that we shall fulfill all conditions of Ministry of Road Transport and Highway guidelines as well as National Highway Authority of India's Circulars / Guidelines.

3. Shifting of Gas pipeline with OFC as and when required by NHAI at their own cost.

If required Gas Pipeline will be shifted as per NHAI instruction at Hindustan Petroleum Corporation Limited cost and risk.

4. Shifting due to 6 lanning / widening of NH

Hindustan Petroleum Corporation Limited agree to shift pipeline due to 6 lanning / widening of NH.

5. Indemnity against all damages and claims clause (xxiv)

Hindustan Petroleum Corporation Limited indemnify to pay against all damages and claims raised by NHAI

6. Traffic movement during laying of Gas pipeline to be managed by the Applicant

Hindustan Petroleum Corporation Limited will manage traffic movement during laying of gas pipeline with OFC if required.

7. If any claim is raised by the Concessionaire, then the same has to be paid by the applicant

If any claim raised by the concessionaire, then the same will be paid by Hindustan Petroleum Corporation Limited.

8. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Gas pipeline with OFC located in the National Highway right-of-ways.

Prior approval of the NHAI shall be obtained before undertaking any work of installation Shifting or repairs or alteration to the Gas pipeline with OFC.

9. Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipeline with OFC will be borne by the agency owning the line

Any expenditure incurred by NHAI for repairing any damage caused to the National Highway for laying, maintenance or shifting of the Gas pipeline will be borne by Hindustan Petroleum Corporation Limited.


अनिल कुमार
ANIL KUMAR
प्रबन्धक - परियोजना
Jal Manager - 45

10. If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.

If the NHAI considers it necessary in future to move the utility line for any works of improvement or repairs to the road, it can carry out as desired by the NHAI at the cost Hindustan Petroleum Corporation Limited.

11. Certificate from the applicant in the following format

- (i) Laying of Gas pipeline with OFC will not have any deleterious effects on any of the bridge components and roadway safety for traffic.

We certify that laying of Gas pipe line will not have any deleterious effect on any of the Bridge Components and roadway safety traffic.

- (ii) We do undertake that I / We will relocate service road / approach road / utilities at my / our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future 6 laning or any other development.

Hindustan Petroleum Corporation Limited do undertake that company will relocate service road / approach road / utilities at Their own cost Notwithstanding the permission granted within such time as will be stipulated by NHAI for further six lanning or any other development.

12. Renewal of Bank Guarantee

Hindustan Petroleum Corporation Limited will submit the renewal Bank Guarantee before the expiry date of Bank Guarantee submitted earlier by Hindustan Petroleum Corporation Limited.

13. Way Leave Facilities / Easement Rights on NH Land

Hindustan Petroleum Corporation Limited Bareilly. agree to pay 6% of Market Value of Land Per Annum subject to a minimum of Rs. 10,000/- Per Annum as Way Leave Facility / Easement right on NH Land & any Other Charges as applicable.

14. Text of the License deal is as per verbatim of format issue by MoRTH vide circular no. RW/NH/3304/29/2015/S&R dated 22.11.2016

Hindustan Petroleum Corporation Limited do undertake that the Text of the License deal is as per verbatim of format issue by MoRTH vide circular no. RW/NH/3304/29/2015/S&R dated 22.11.2016.

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

CONSTRUCTION METHODOLOGY FOR LAYING ALONG THE ROAD

Laying utility Services Gas Pipeline with OFC Along the NH Road

The Utility ducts are not provided. Therefore, the proposed Pipeline will be laid at suitable location preferably as close to the extreme edge of ROW.

The Trench of size is approx. 0.6 m wide and min. 1.2 m. deep will be made by Open-Cut method for laying the Pipeline parallel to road at the extreme edge of the road. The size of Trench will be done as nearly vertical as possible. Then the Pipeline will be laid. The backfilling of the trench will be done as under:

- i) Side fill to the level of the top of the pipe
- ii) Overfill to the bottom of the road crust.
- iii) The overfilling will be compacted to the same density as the Material that had been removed.

The utility services Gas Pipeline will be laid beyond the toe line of the embankment and drains as close to the extreme edge of the ROW as possible far from the center of the road.

It will be ensured no time there is interface with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the Gas Pipeline will be laid at least 0.4 mtr. below ground level.

The gas pipeline will not be laid over existing culverts and bridges. Since there is no provision of duct, the gas pipeline will be laid parallel the road by open cut method on the extreme edge of the road.

It will be ensured that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic.


SITE CLEARANCE & SURVEY

Pipeline corridor is to be cleared for bush, shrubs if any on either side of the road. Exact reserve width of the particular road is to be marked on the site which may vary depends on the type of road.

PIPELINE MARKER SIGN & BOUNDARY FENCE

The boundary fence and the pipeline marker as per the standard specification shall be installed at distance of approx. 500 mtr.

Yours Sincerely


12-01-2023
Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation
Limited Bareilly

Methodology for crossing of road by horizontal direction drilling (HDD) method

1. Non-digging technology is a new technology of underground piping developed in the recent years. Using this technology, we can lay, fix, change and detect the underground pipeline without using digging. The technology has the advantages of no damage of environment, no dirt-pollution, no interruption traffic, no break of pavement structure, high laying precision, short working period and high safety of construction.
2. The technology can be widely used for laying, changing and detecting the underground canals, which go through pavements (National Highway Roads), Railway Lines, River lakes, Street and Buildings. The available field includes electricity, telecommunication, water supply, cable TV, ADSL and other piping divisions.
3. Horizontal Direction Drilling (HDD) is a trenchless technology that has the capacity to install a wide variety of pipe materials/ H.T cable into the ground. This technique allows for great design flexibility as installation paths, or bore paths, may be curved or straight, with the path changing direction and depth to avoid subsurface obstacle.
4. The gas Pipe line with OFC shall be laid as per National Standards. The Gas pipe line with OFC will be laid minimum cover depth of min. 1.5 meter through HDD method in order to avoid disruption of traffic and to avoid inconvenience to public at large.
5. Laying of the Gas pipeline with OFC at a depth of min. 1.5 meter is envisaged for avoiding any kind of disruption to Highways Authority in case of any work as and when desired by the Authority.
6. The laying of Gas Pipe Line including testing and commissioning will be carried out by us in accordance with the specifications.
7. Restoration of HDD pit shall be carried out as per its original conditions and after desired settlement of the pit soil.

Thanking You,
Yours Faithfully


12.01.2023
Authorized Signatory
(M/s HPCL)

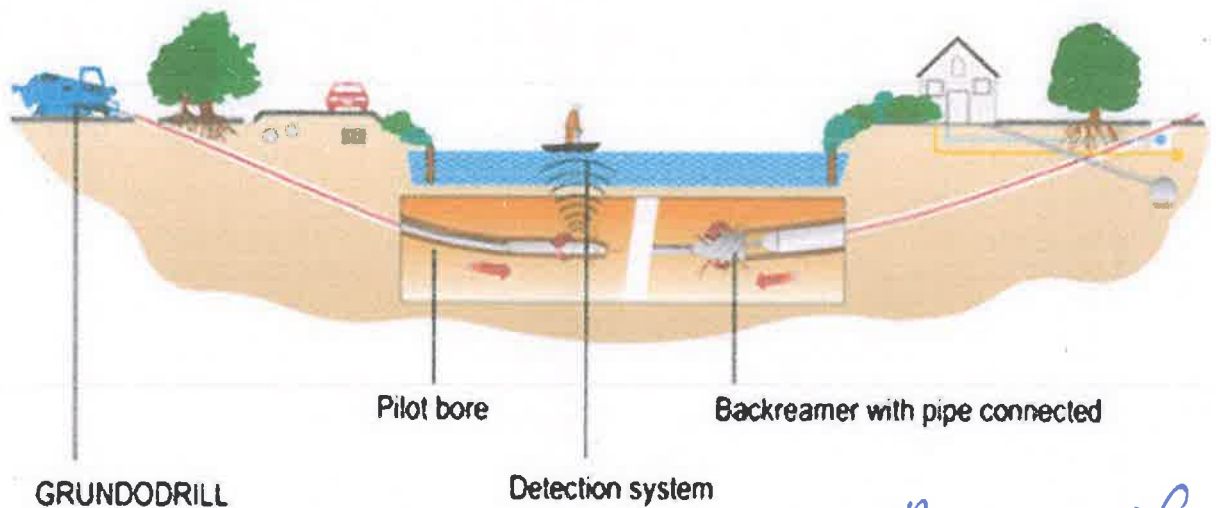
General Manager - Projects

Methodology for Laying of underground Natural Gas Pipe Line Trenchless (HDD)

1. Trenchless Crossing: HDD Method

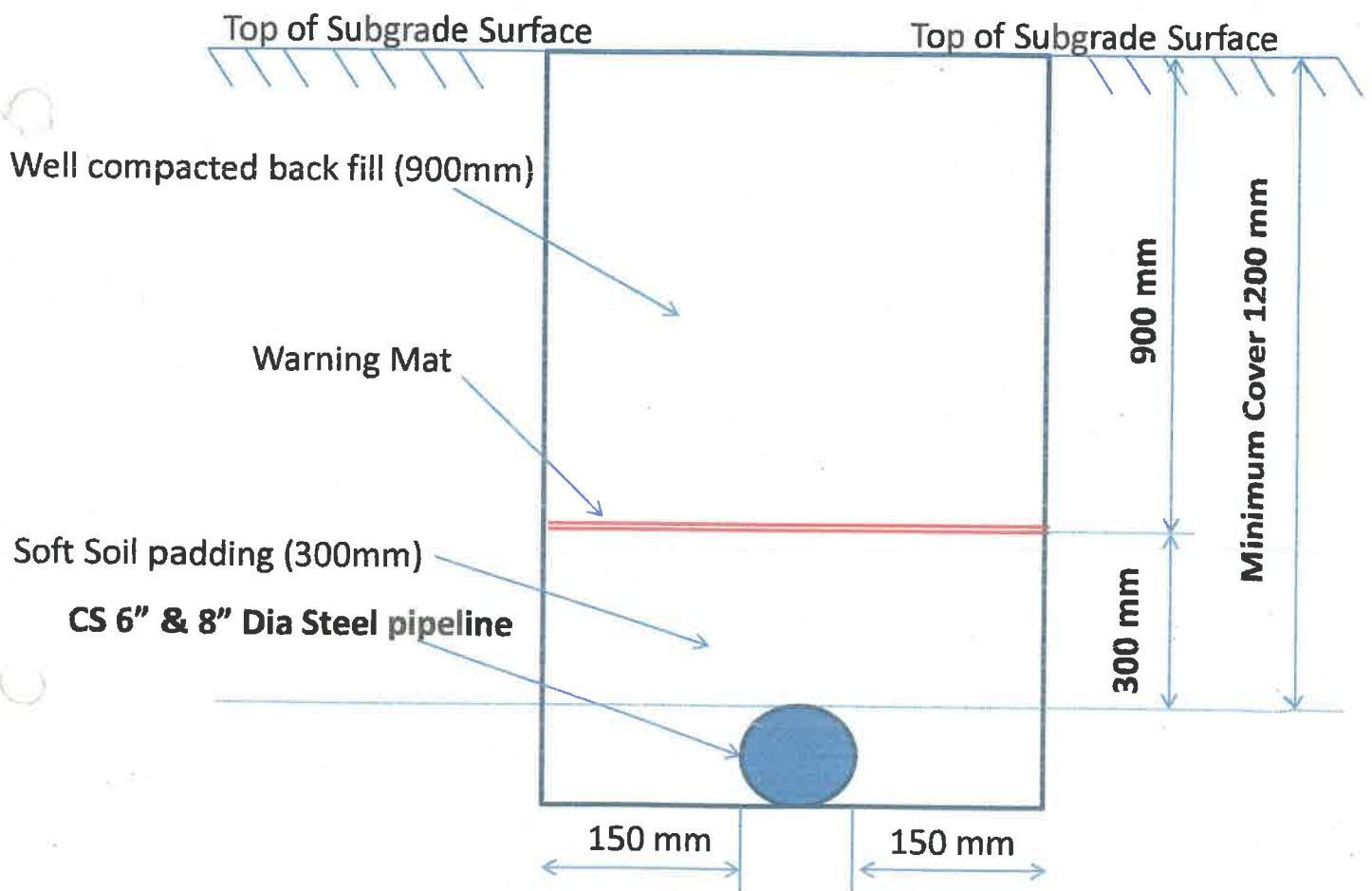
Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drill rig that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities. In recent years HDD has been the preferred methodology due to several government policies conducive to infrastructure growth. All crossing on the route will be done by Horizontal Directional Drilling (HDD) method without disturbing the road surface.

A TYPICAL HDD METHODOLOGY IS SHOWN BELOW



[Signature]
12-01-2013
Authorized Signatory
(M/s HPCL)
General Manager

TYPICAL CROSS SECTION OF TRENCH, FOR CS PIPELINE LAYING



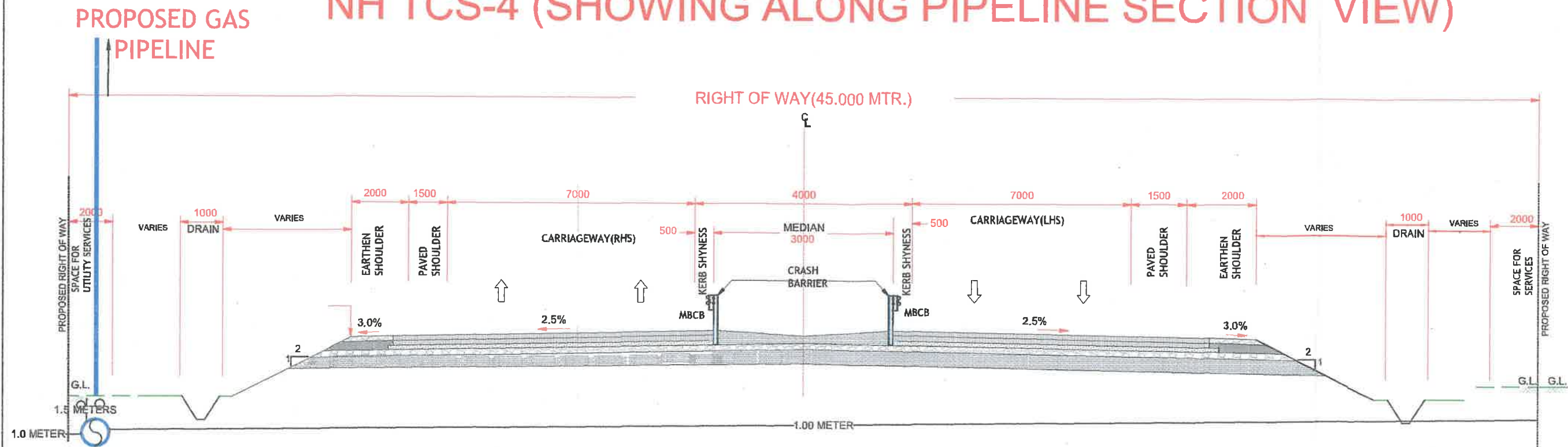
A. and co.
12-01-2023

General Manager - Project

Team Leader

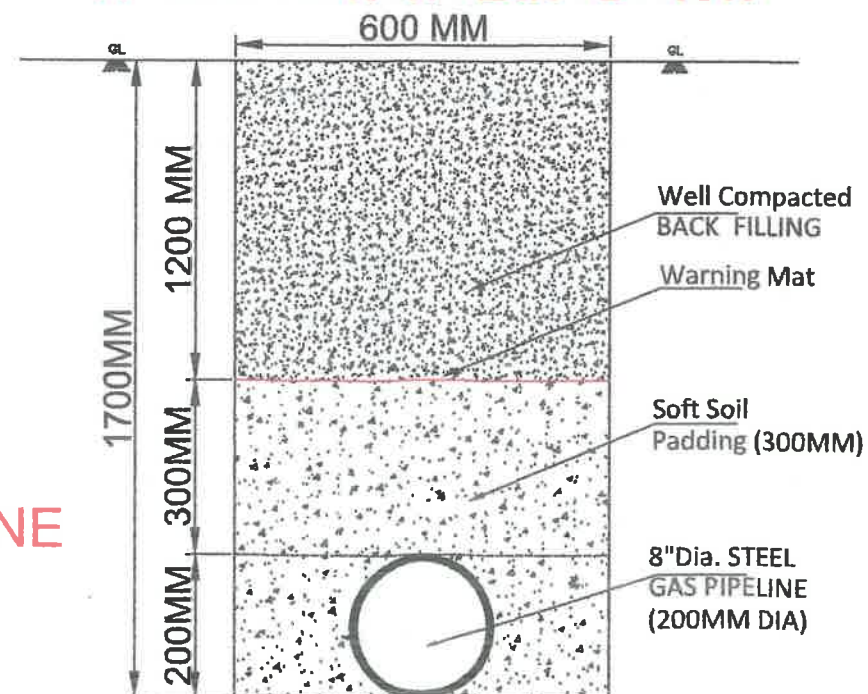
TYPICAL ALONG THE ROAD SECTION

NH TCS-4 (SHOWING ALONG PIPELINE SECTION VIEW)




TCS-4 4-LANE DIVIDED HIGHWAY FOR BYPASS/REALIGNMENT SECTION OPEN COUNTRY

TYPICAL TRENCH PLAN SECTION

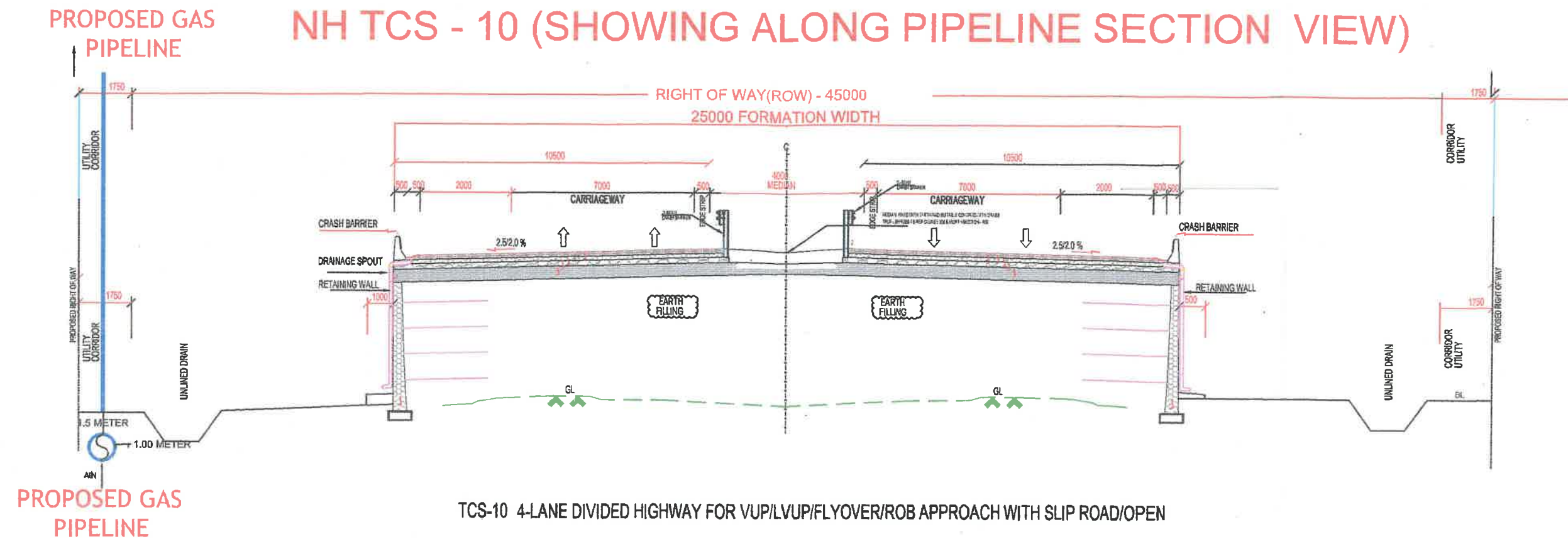


PROPOSED 8" STEEL DIA GAS PIPELINE

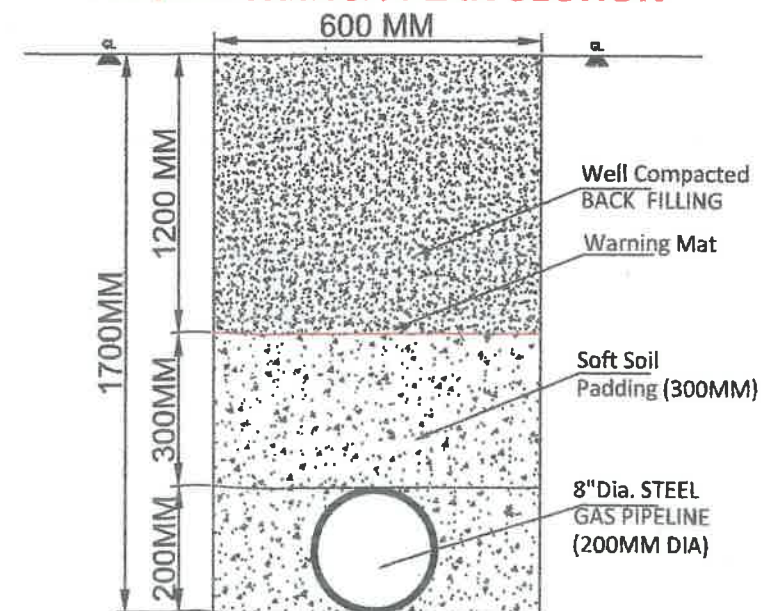
| | | |
|--|---------------------------------|-----------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING |
|  HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/04 | NTS |
| SIZE | | SHEET |
| | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION

NH TCS - 10 (SHOWING ALONG PIPELINE SECTION VIEW)




TYPICAL TRENCH PLAN SECTION



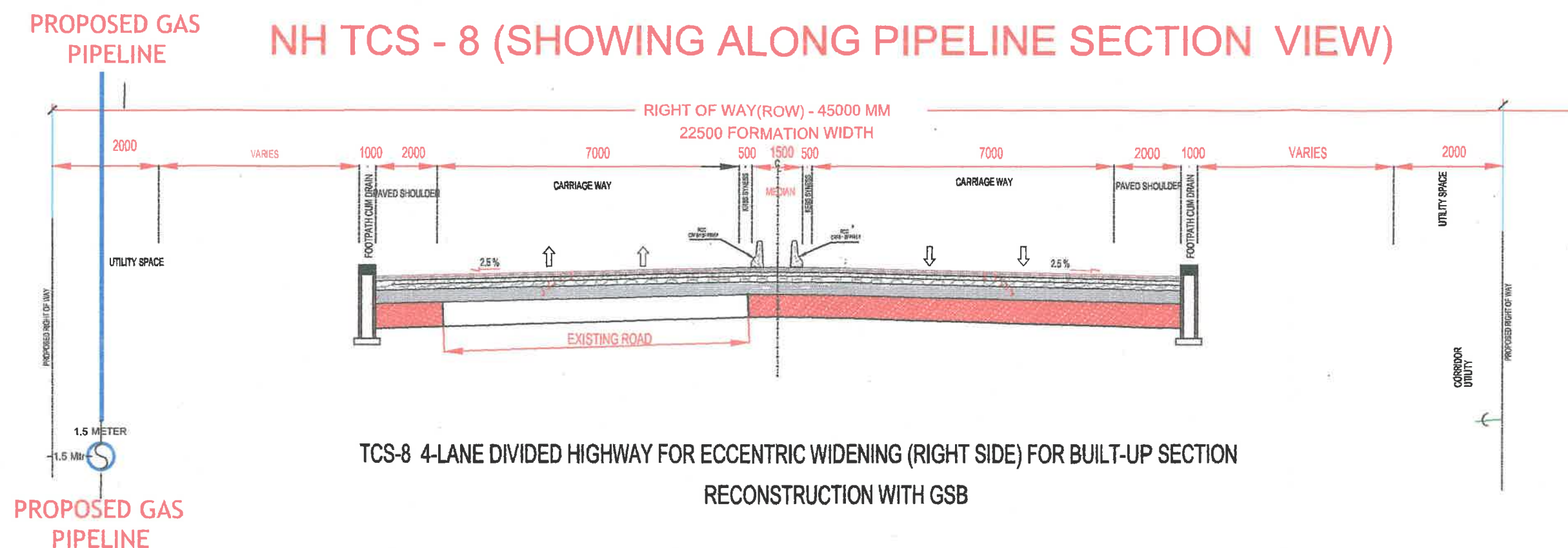
PROPOSED 8" DIA. GAS PIPELINE

ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|--|---------------------------------|-----------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING |
|  HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/10 | NTS |
| SIZE | SHEET | |
| | 1 OF 1 | |

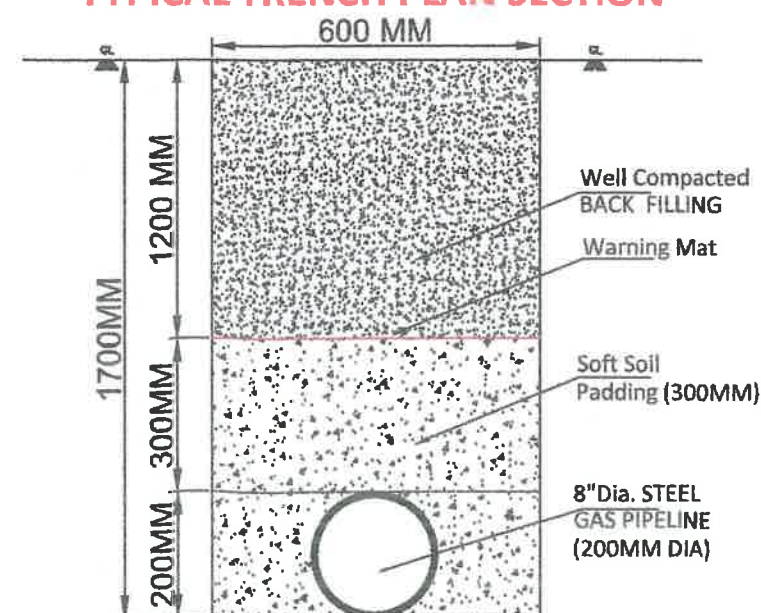
TYPICAL ALONG THE ROAD SECTION

NH TCS - 8 (SHOWING ALONG PIPELINE SECTION VIEW)




TCS-8 4-LANE DIVIDED HIGHWAY FOR ECCENTRIC WIDENING (RIGHT SIDE) FOR BUILT-UP SECTION
RECONSTRUCTION WITH GSB

TYPICAL TRENCH PLAN SECTION



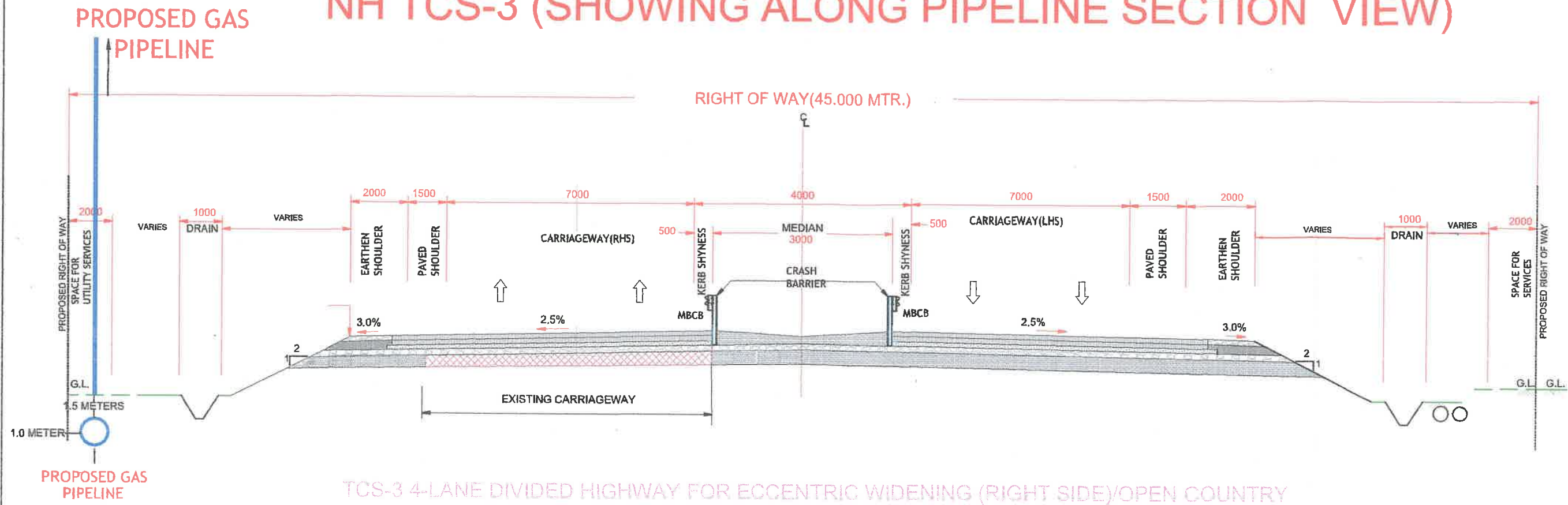
PROPOSED 8" DIA. GAS PIPELINE

ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

| | | |
|--|---------------------------------|-----------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING |
|  HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/08 | NTS |
| SIZE | | SHEET |
| | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION

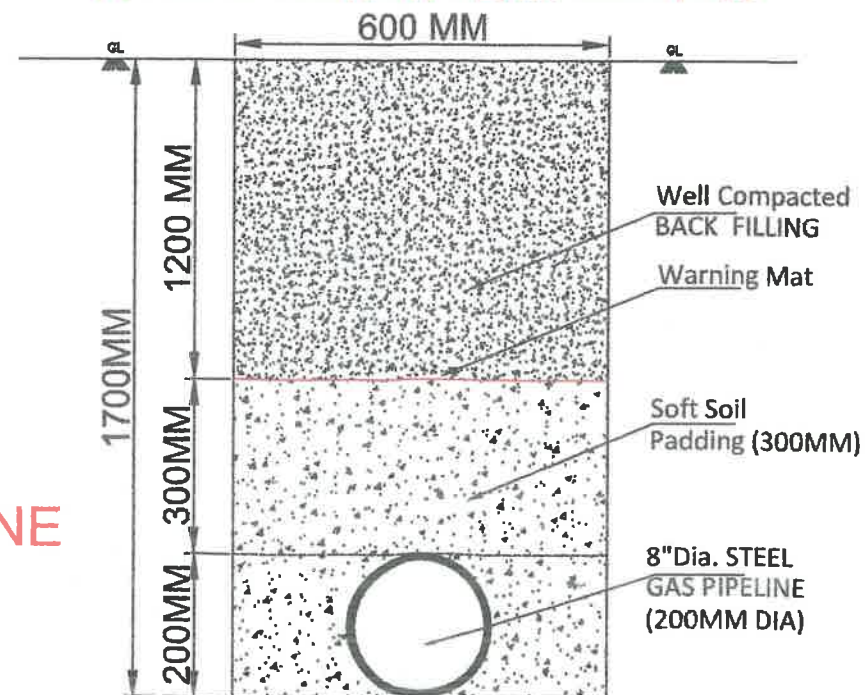
NH TCS-3 (SHOWING ALONG PIPELINE SECTION VIEW)



TCS-3 4-LANE DIVIDED HIGHWAY FOR ECCENTRIC WIDENING (RIGHT SIDE)/OPEN COUNTRY


RECONSTRUCTION WITH GSB

TYPICAL TRENCH PLAN SECTION



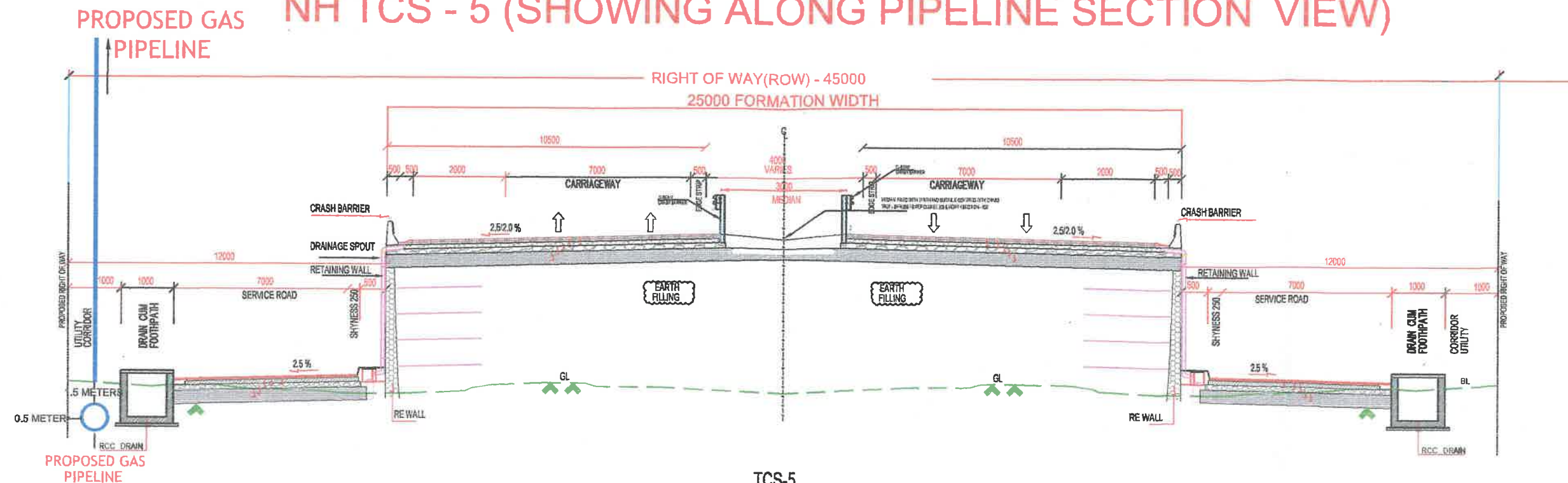
PROPOSED 8" STEEL DIA GAS PIPELINE

ANIL KUMAR
महानिदेशक - परियोजना
General Manager - Projects

| | | | | | |
|---|---------------------------------|-----------------|----------|------|--------|
| 1. | | | | | |
| S.NO. | REFERENCE | DRAWING | DWG. NO. | | |
| PURPOSE | | PIPELINE LAYING | | | |
| <div></div> <div>HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh)</div> | | | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | | |
| CAD FILE NO. | DWG. NO. | | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/01 | | NTS | | 1 OF 1 |

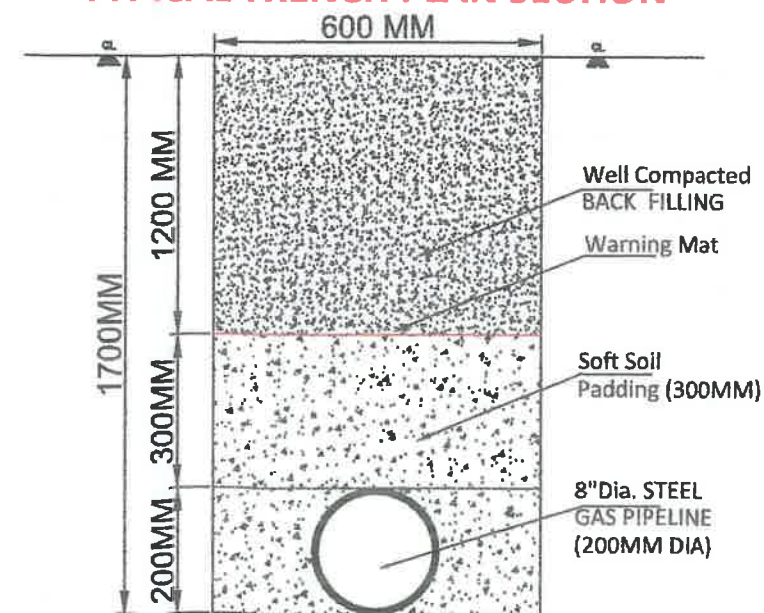
TYPICAL ALONG THE ROAD SECTION

NH TCS - 5 (SHOWING ALONG PIPELINE SECTION VIEW)




TCS-5
4-LANE DIVIDED HIGHWAY FOR VUP/LVUP/FLYOVER/ROB APPROACH WITH SLIP ROAD
/OPEN COUNTRY

TYPICAL TRENCH PLAN SECTION

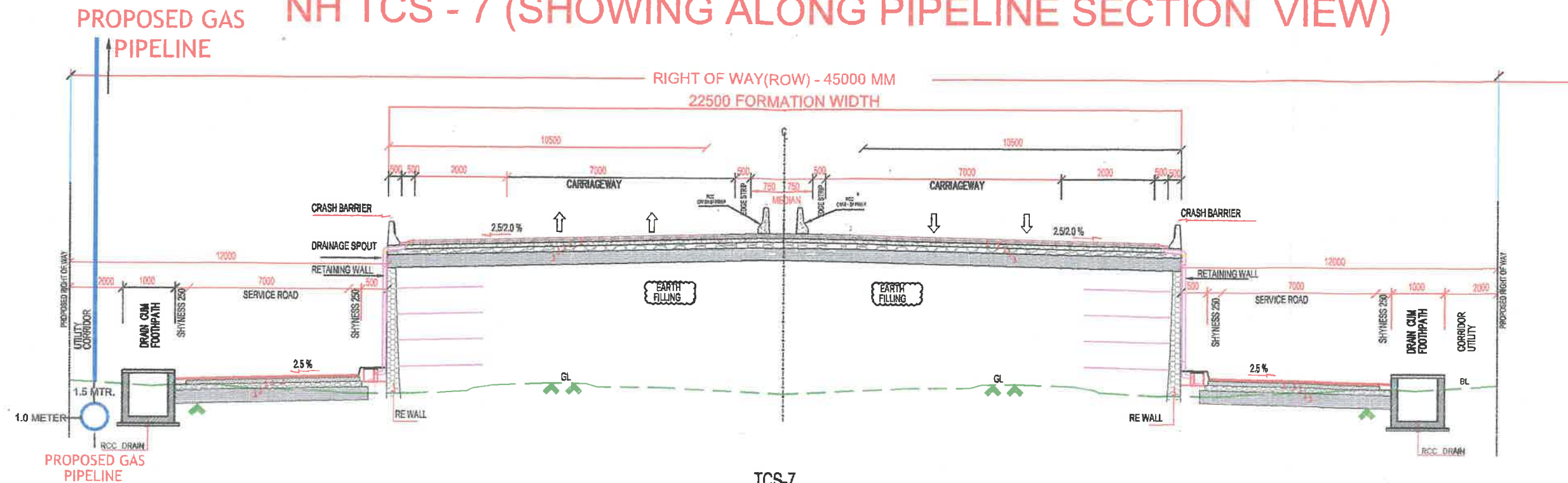


PROPOSED 8" DIA. GAS PIPELINE

| | | | | |
|---|--|----------|------|--------|
| 1. | | | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. | | |
| | | | | |
| PURPOSE | PIPELINE LAYING | | | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | |
| CAD FILE NO. | DWG. NO. | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/05 | NTS | | 1 OF 1 |

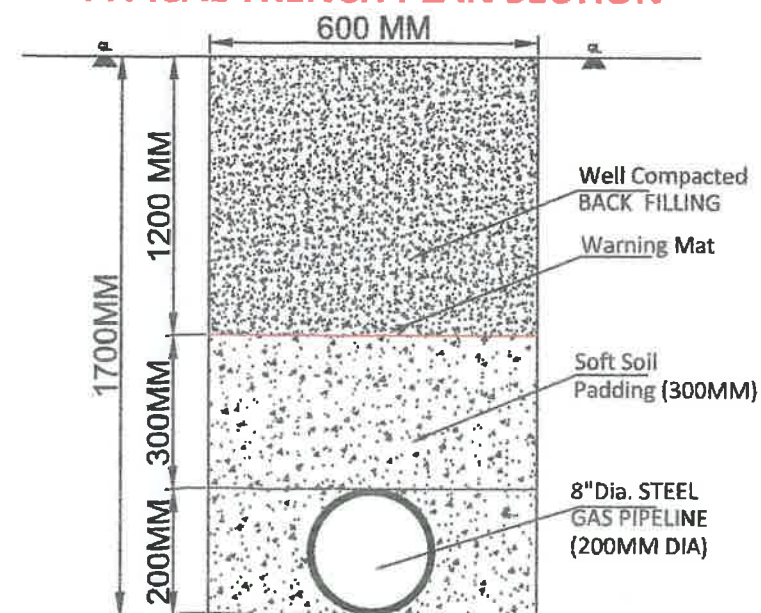
TYPICAL ALONG THE ROAD SECTION

NH TCS - 7 (SHOWING ALONG PIPELINE SECTION VIEW)




TCS-7
4-LANE DIVIDED HIGHWAY FOR VUP/LVUP/FLYOVER/ROB APPROACH WITH SLIP ROAD
FOR BUILT-UP SECTION

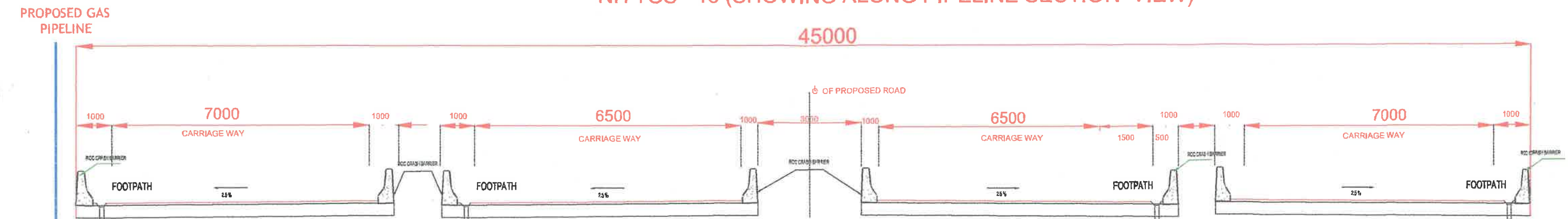
TYPICAL TRENCH PLAN SECTION



PROPOSED 8" DIA. GAS PIPELINE

| | | | | |
|---|--|----------|------|--------|
| 1. | | | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. | | |
| | | | | |
| PURPOSE | PIPELINE LAYING | | | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | |
| CAD FILE NO. | DWG. NO. | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/07 | NTS | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS - 16 (SHOWING ALONG PIPELINE SECTION VIEW)

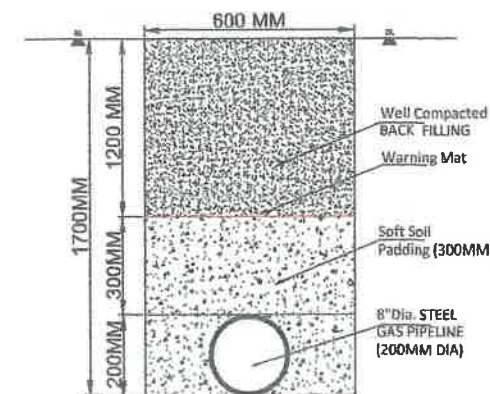


TCS-16 TYPICAL CROSS SECTION
4-LANE DIVIDED HIGHWAY AT MAJOR/MINOR BRIDGE SECTION NEW CONSTRUCTION WITH SLIP ROAD


PROPOSED GAS PIPELINE
1.5 METER
PROPOSED GAS PIPELINE

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

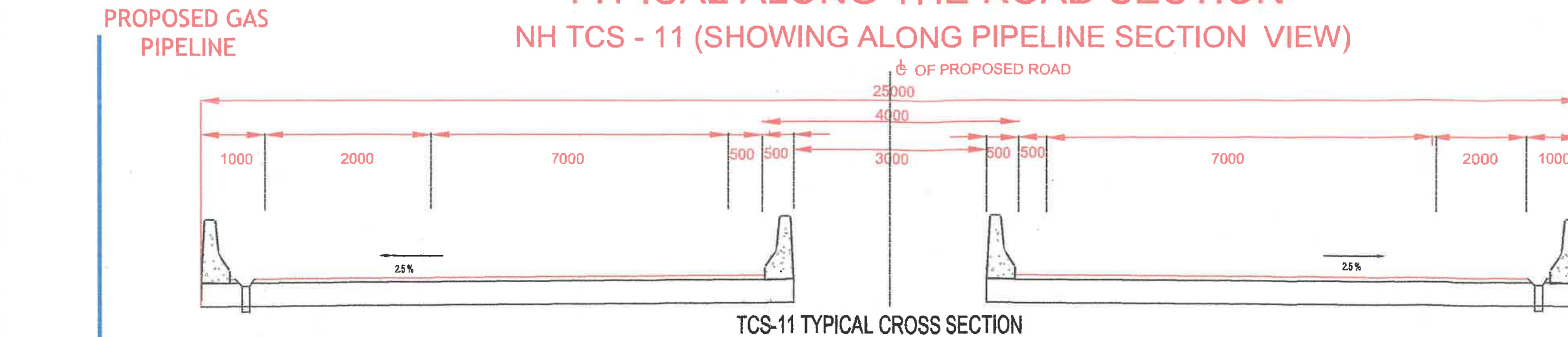
PROPOSED 8" DIA. GAS PIPELINE



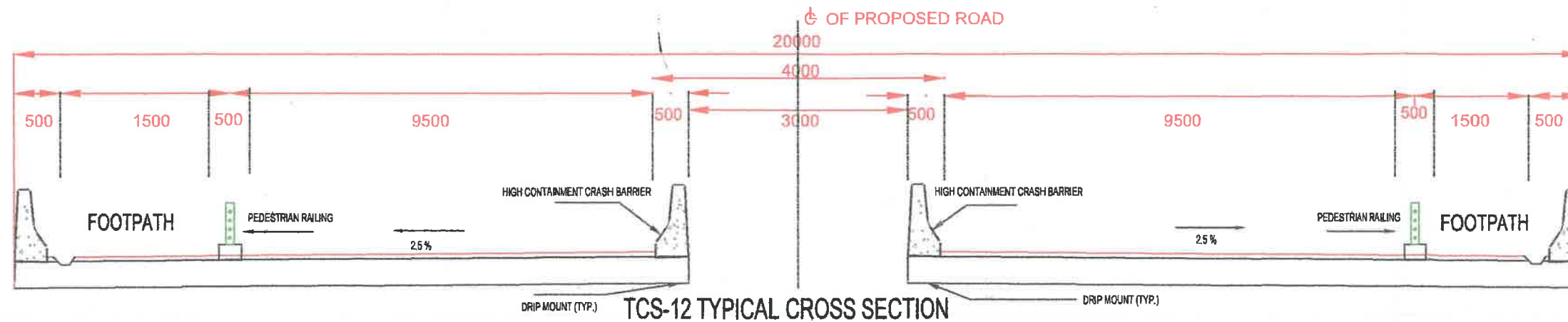
TYPICAL TRENCH PLAN SECTION

| | | |
|---|---|------------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | PIPELINE LAYING | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Baroli-243001 (Uttar Pradesh) | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE SIZE SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/16 | MIS 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS - 11 (SHOWING ALONG PIPELINE SECTION VIEW)



4-LANE DIVIDED HIGHWAY AT FLYOVER/VUP/LVUP/SVUP STRUCTURE SECTION

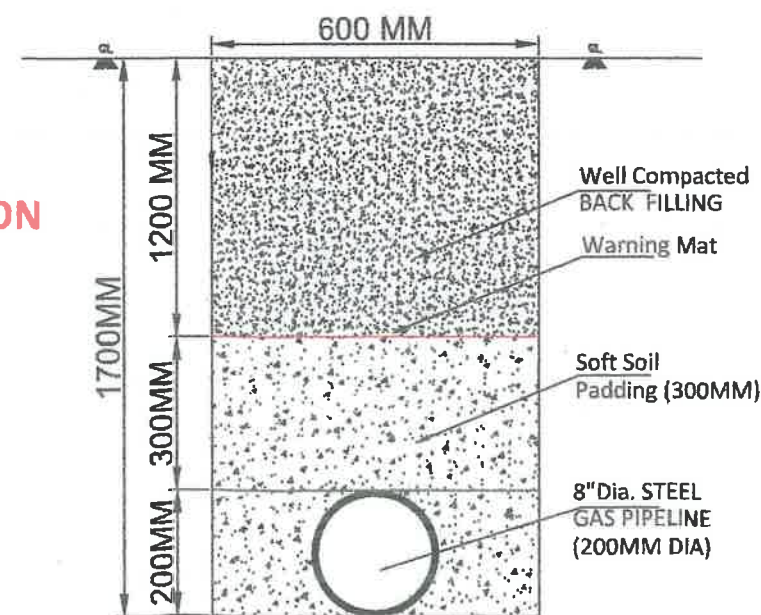



4-LANE DIVIDED HIGHWAY AT MAJOR/MINOR BRIDGE SECTION VIEW CONSTRUCTION

अनिल कुमार
ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Projects

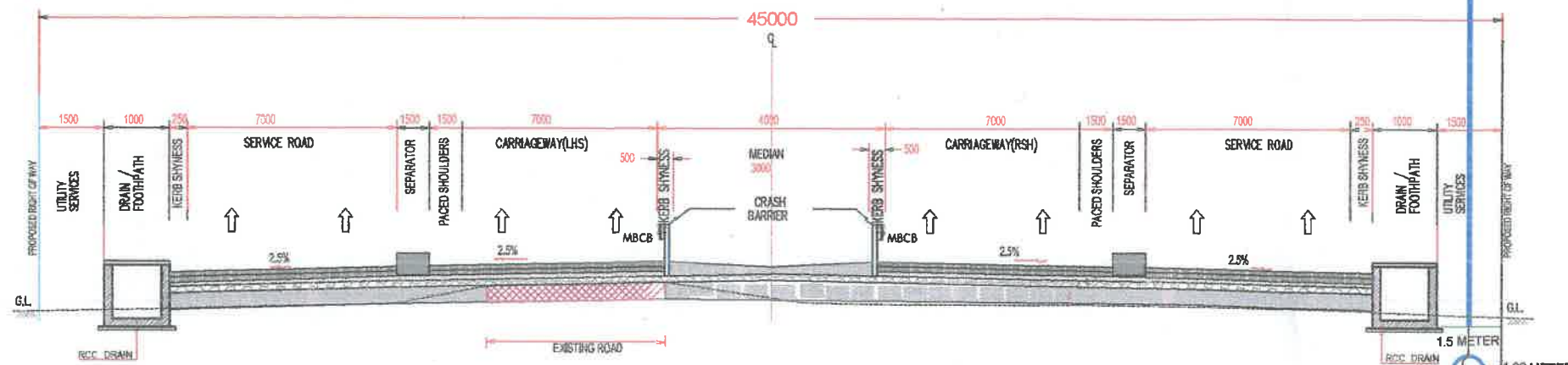
TYPICAL TRENCH PLAN SECTION

PROPOSED 8" DIA. GAS PIPELINE



| | | | | |
|---|--|----------|------|--------|
| 1. | | | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. | | |
| | | | | |
| PURPOSE | PIPELINE LAYING | | | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | |
| CAD FILE NO. | DWG. NO. | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PL/2022/TCS/11-12 | NTS | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION **NH TCS-1 (SHOWING ALONG PIPELINE SECTION VIEW)**

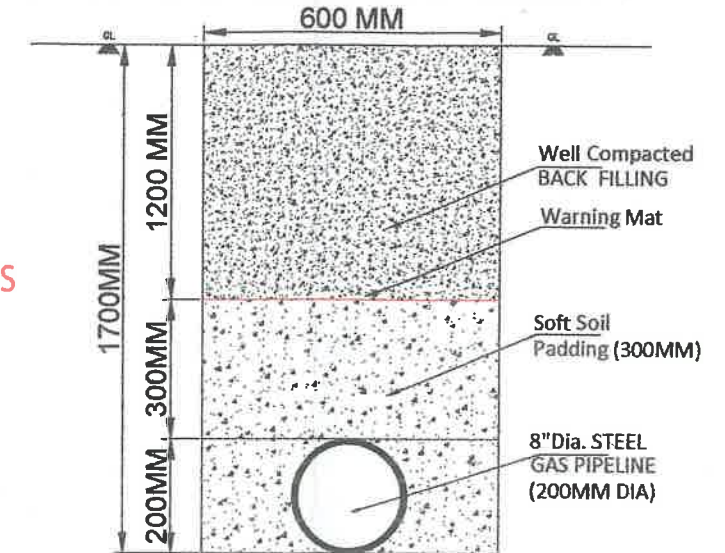


TCS-1 4-LANE DIVIDED HIGHWAY FOR ECCENTRIC WIDENING (RIGHT SIDE) WITH SERVICE ROAD/OPEN COUNTRY

RECONSTRUCTION WITH GSB

A. K. S.
 12-01-2023
 अनिल कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects

TYPICAL TRENCH PLAN SECTION

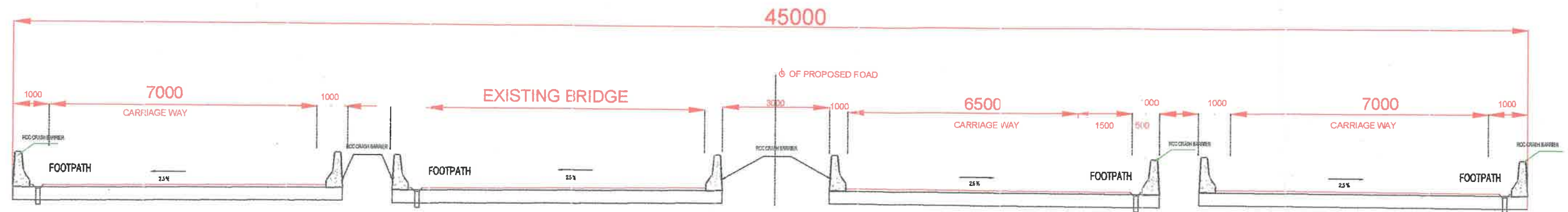


PROPOSED STEEL GAS PIPELINE

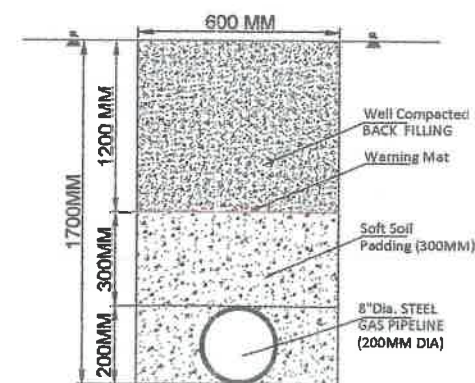
| | | |
|--|---------------------------------|-----------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING |
| HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/01 | NTS |
| SIZE | | SHEET |
| | | 1 OF 1 |

am
 Team Leader
 HPCL/STEEL/PIPELINE/2022/TCS/01
 (Disposal/Supply Project)

TYPICAL ALONG THE ROAD SECTION NH TCS - 17 (SHOWING ALONG PIPELINE SECTION VIEW)




TCS-17 TYPICAL CROSS SECTION
4-LANE DIVIDED HIGHWAY AT MAJOR/MINOR BRIDGE SECTION NEW CONSTRUCTION WITH SLIP ROAD



TYPICAL TRENCH PLAN SECTION

A. K. S.
12-01-2023
ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Project

PROPOSED 8" D.A. GAS PIPELINE

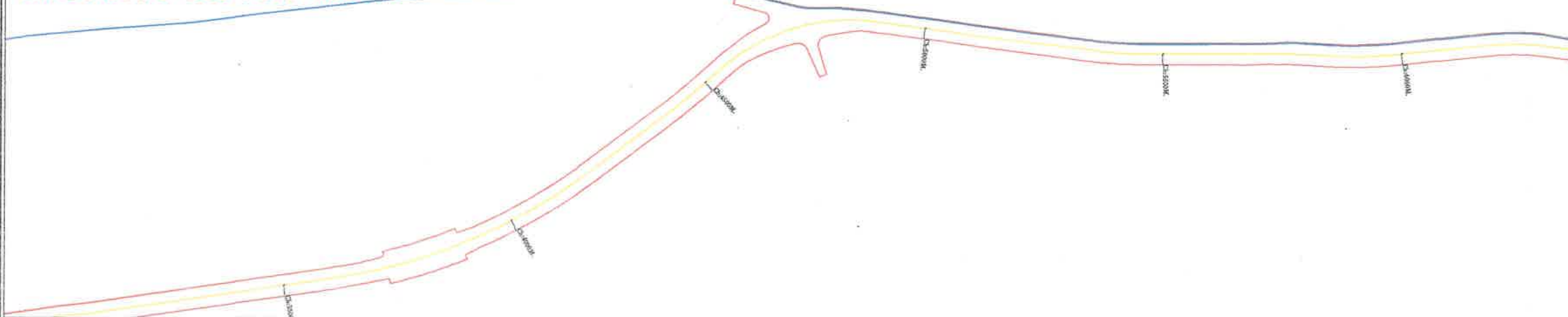
| | | |
|---|--|------------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | PIPELINE LAYING | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Bareilly-249001 (Uttar Pradesh) | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE SIZE SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/17 | NTS 1 OF 1 |

23/1/23

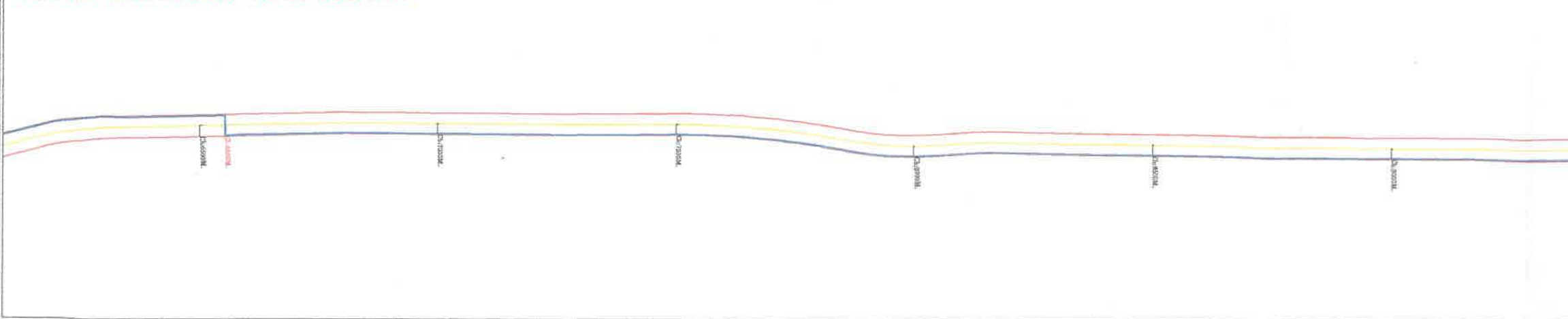
NH-30 CH: 0+000 TO 3+000 KM



NH-30 CH: 3+000 TO 6+000 KM



NH-30 CH: 6+000 TO 9+000 KM



KEY MAP



LEGENDS:-

| | |
|--|-------------------------------|
| | PROPOSED LINE |
| | BITUMEN ROAD |
| | W.B.M. ROAD |
| | CART TRACK |
| | RAILWAY LINE / PILLAR |
| | FIELD BUND |
| | HIGH TENSION LINE / POLE |
| | ELECTRIC POLE / LINE |
| | TRANSFORMER |
| | LAMP POST |
| | ELECTRIC BOX |
| | TELEPHONE POLE |
| | RIVER |
| | NALA |
| | ROAD SIDE DRAIN |
| | CANAL |
| | TP, IP |
| | DGPS POINT, TBM |
| | TEMPLE / CHHATRA / MOSQUE |
| | BUILDING / UNDER CONSTRUCTION |
| | TEMPORARY STRUCTURE |
| | COMPOUND WALL |
| | WIRE FENCING |
| | MANHOLE |
| | WATER TANK |
| | HAND PUMP |
| | BORING TUBE WELL |
| | WELL |
| | TREE |
| | POND |
| | HILL |

| NO. | DATE | Drawn by (Consultant) | Checked by (Consultant) | Checked by (HCL) | Approved by (HCL) | Remark |
|-----|------|--------------------------|----------------------------|---------------------|----------------------|--------|
| (1) | | HW | SW | HW | SW | |
| (2) | | | | | | |

SCALE 1:5000 DRAWING NO. - HPC/NH/58/02/251

OWNER:
HINDUSTAN PETROLEUM CORPORATION LTD.
CITY GAS DISTRIBUTION (CGLS, UP & LH CLUSTER)
1ST & 2ND FLOOR, MANJALAM TOWERS, 112 CIVIL LINES,
BARISILLY, 380001 (U.P.)

Prepared by:
HRP INFRA PRIVATE LIMITED
(AN ISO 9001 CERTIFIED COMPANY)
437, 4TH FLOOR, JEWELRY VENTURES CIRCLE,
MEMNAGAR, AHMEDABAD - 380052 (GUJARAT)

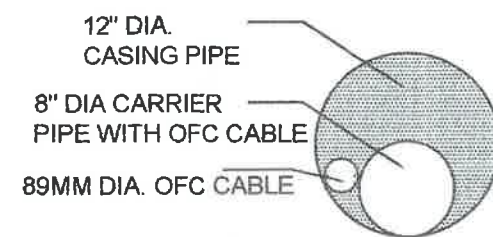
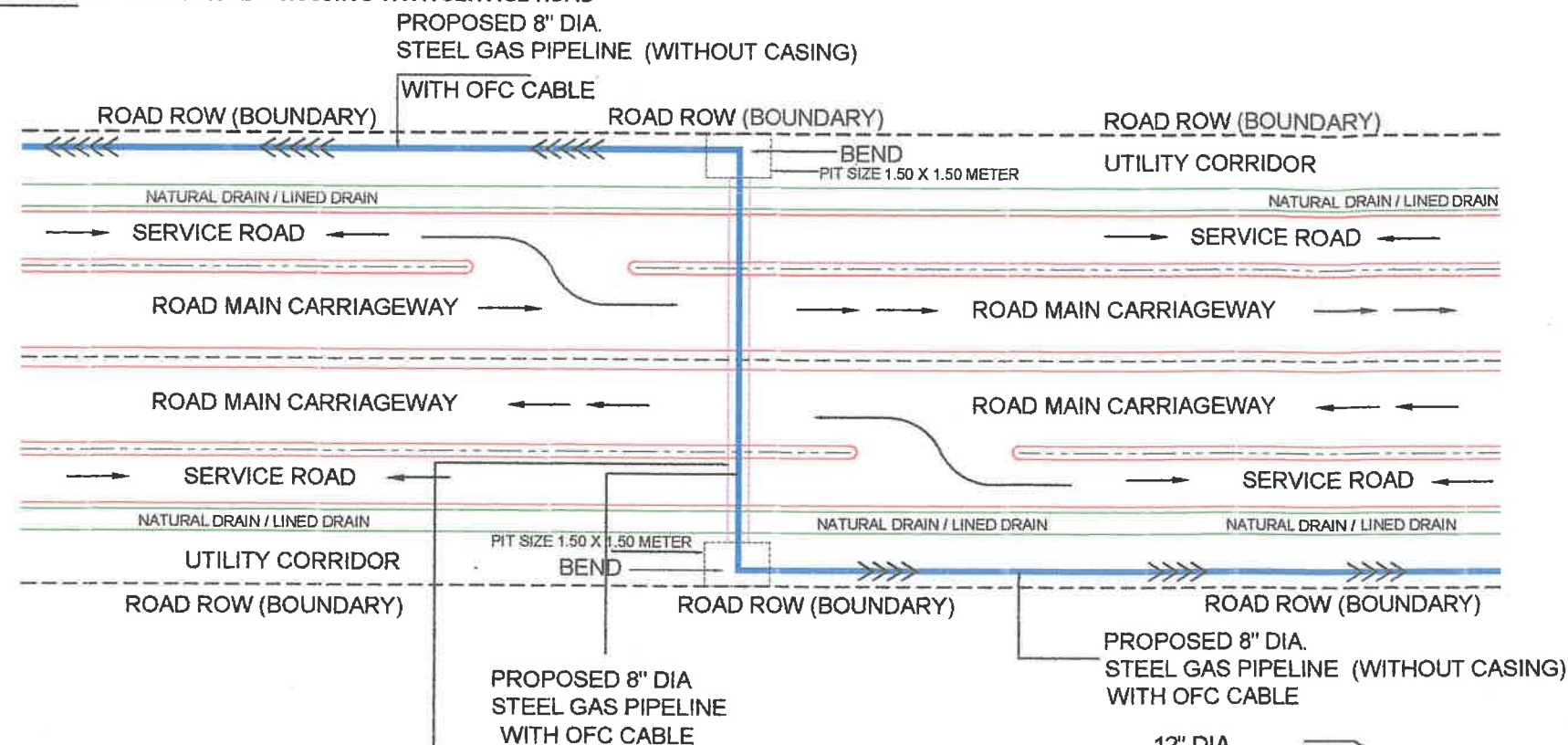
NH SECTION CHAINAGE

| SECTION | PROPOSED 8" DIA. STEEL PROPOSED GAS PIPELINE |
|-----------------------|--|
| DWG TITLE | PIPELINE CHAINAGE |
| PIPELINE HEP PLAN MAP | CH: 0+000.00 TO CH: 11+000.00 KM |

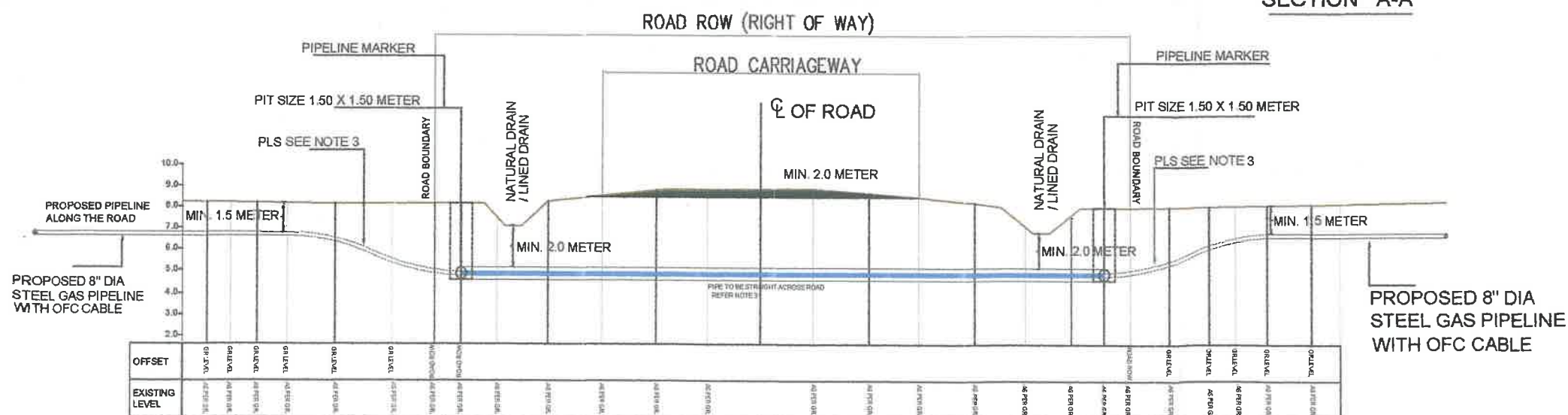
SHEET NO
01 OF 06

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

NAME OF CROSSING - STANDARD ROAD CROSSING WITH SERVICE ROAD



SECTION A-A



TYPICAL PROFILE

ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Project

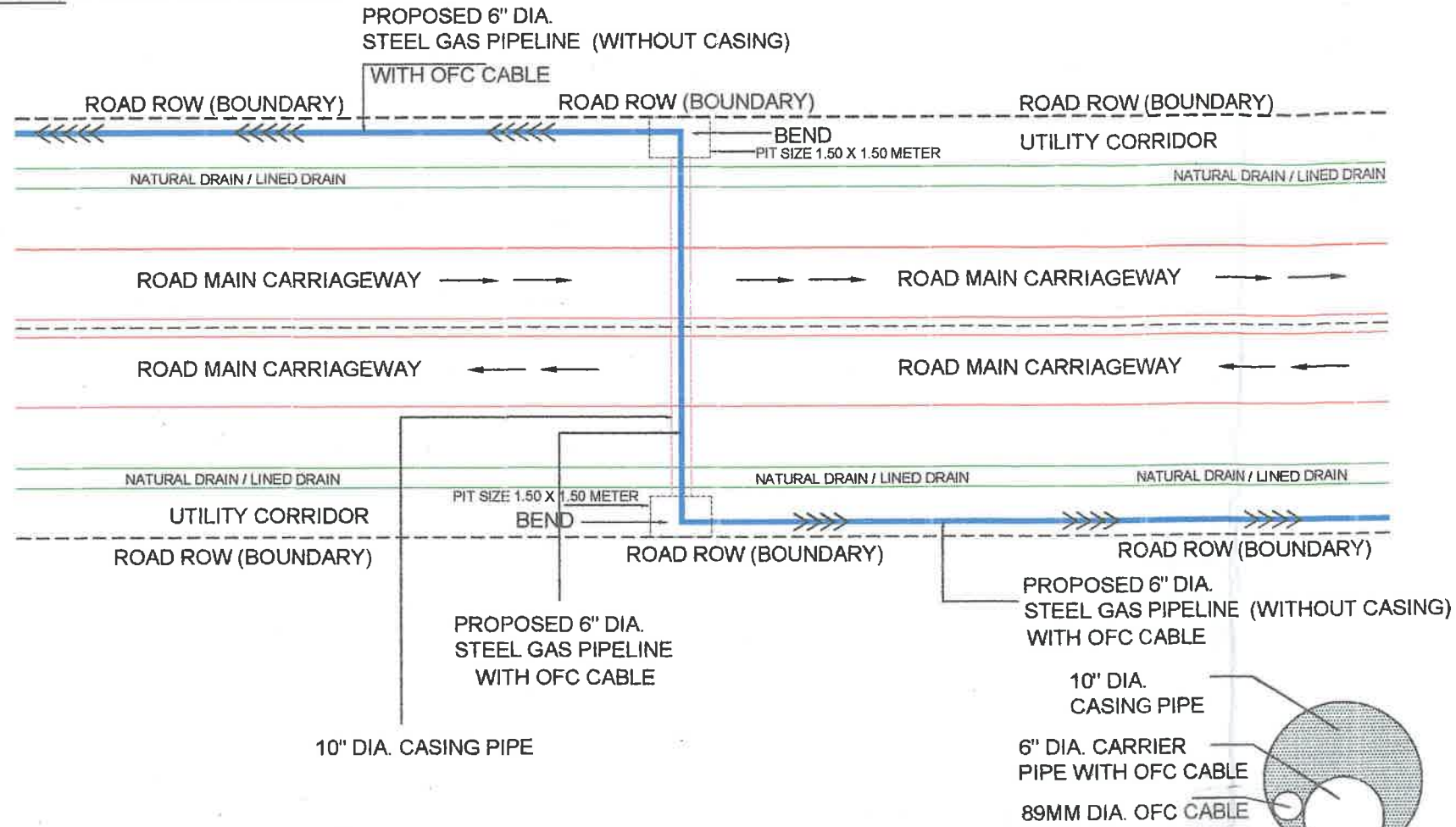
NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE MENTIONED.
2. DEPTH OF MAINLINE COVER BEYOND HOOK-UP SHALL BE GRADUALLY BROUGHT TO NORMAL COVER OF 1.5 M (MINIMUM)
3. SAG BENDS AND OVER BENDS TO RESUME NORMAL PIPELINE DEPTH SHALL BE IN ACCORDANCE WITH APPLICABLE SECTION OF THE CONSTRUCTION SPECIFICATION

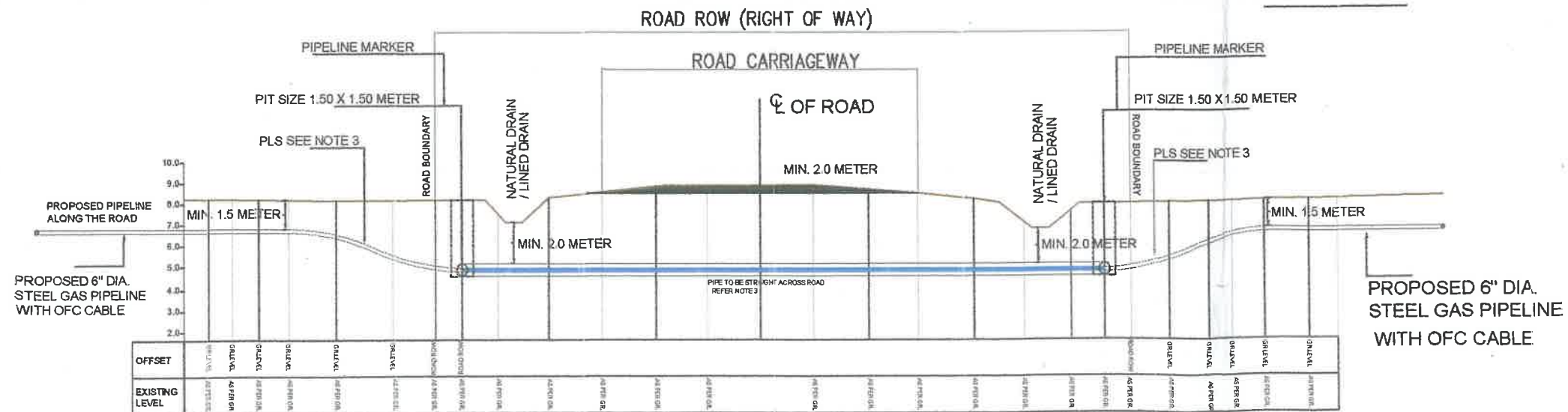
PROPOSED 8" DIA
STEEL GAS PIPELINE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------|-----------------------|----------|----------|---------------------|--------|------|------|------|-----|------|------|------|------|------|------|------|------|------|----------|-------|----------|---------|----------|---------------------|--|--|--|--|
| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.NO. | REFERENCE | DRAWING | DWG. NO. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PURPOSE | | APPROVED FOR CROSSING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>INI.</td> <td>SIG.</td> <td>INI.</td> <td>SIG.</td> <td>INI.</td> <td>SIG.</td> <td>INI.</td> <td>SIG.</td> </tr> <tr> <td>REVISION</td> <td>DRAWN</td> <td>DESIGNED</td> <td>CHECKED</td> <td>APPROVED</td> <td colspan="5">SUBJECT OF REVISION</td> </tr> </table> | | | | | | | | | | NO. | DATE | INI. | SIG. | INI. | SIG. | INI. | SIG. | INI. | SIG. | REVISION | DRAWN | DESIGNED | CHECKED | APPROVED | SUBJECT OF REVISION | | | | |
| NO. | DATE | INI. | SIG. | INI. | SIG. | INI. | SIG. | INI. | SIG. | | | | | | | | | | | | | | | | | | | | |
| REVISION | DRAWN | DESIGNED | CHECKED | APPROVED | SUBJECT OF REVISION | | | | | | | | | | | | | | | | | | | | | | | | |
| HINDUSTAN PETROLEUM CORPORATION LIMITED 1st & 2nd Floor, Mahalaxmi Towers, 112 Civil Lines Bareilly, Uttar Pradesh (U.P.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD GAS PIPELINE DRAWING (CROSSING PURPOSE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD CROSSING DRAWING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAD FILE NO. | DWG. NO. | | | SCALE | SIZE | SHEET | | | | | | | | | | | | | | | | | | | | | | | |
| STD | HPCL/ROAD/2022/R-2/02 | | | NTS | XING | 1 OF 1 | | | | | | | | | | | | | | | | | | | | | | | |

NAME OF CROSSING - STANDARD ROAD CROSSING



SECTION A-A



TYPICAL PROFILE

ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Project

Team Leader
(Sharon Wiggins Project)



NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE MENTIONED.
2. DEPTH OF MAINLINE COVER BEYOND HOOK-UP SHALL BE GRADUALLY BROUGHT TO NORMAL COVER OF 1.5 M (MINIMUM)
3. SAG BENDS AND OVER BENDS TO RESUME NORMAL PIPELINE DEPTH SHALL BE IN ACCORDANCE WITH APPLICABLE SECTION OF THE CONSTRUCTION SPECIFICATION

PROPOSED 6" DIA.
STEEL GAS PIPELINE
WITH OFC CABLE

Notes Proposed/Initiative creating draft(s)

| | | |
|-------|-------------------|----------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |

| | |
|---------|-----------------------|
| PURPOSE | APPROVED FOR CROSSING |
|---------|-----------------------|

| | | | | | | | | | | |
|----------|-------|----------|------|---------|------|----------|------|------|------|------------------------|
| NO. | DATE | INI. | SIG. | INI. | SIG. | INI. | SIG. | INI. | SIG. | SUBJECT OF REVISION |
| REVISION | DRAWN | DESIGNED | | CHECKED | | APPROVED | | | | |
| | | | | | | | | | | |



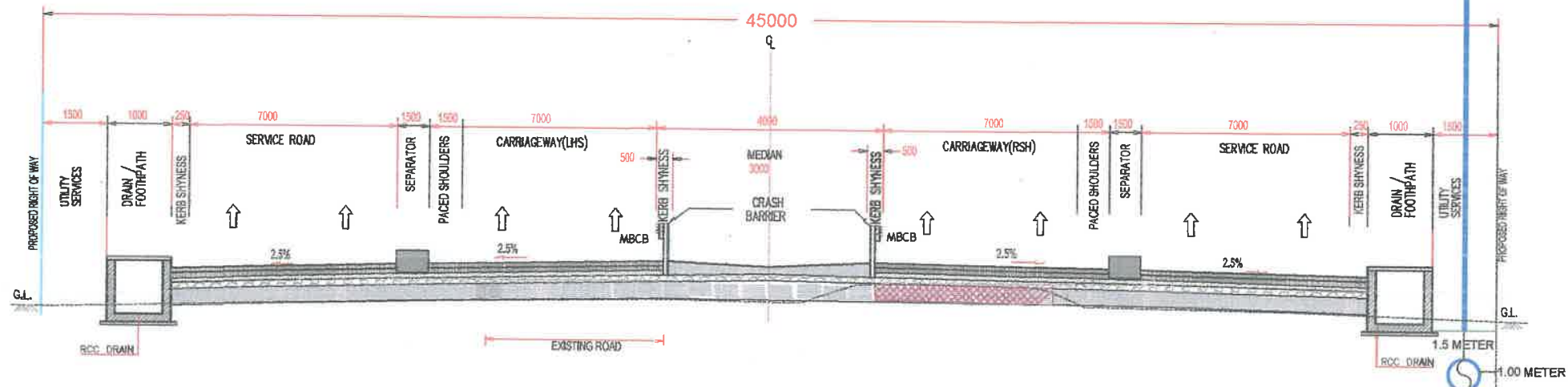
HINDUSTAN PETROLEUM CORPORATION LIMITED
1st & 2nd Floor, Mahalaxmi Towers, 112 Civil Lines
Bareilly, Uttar Pradesh (U.P.)

STANDARD GAS PIPELINE DRAWING (CROSSING PURPOSE)

STANDARD CROSSING DRAWING

| | | | | |
|--------------|------------------------|-------|------|--------|
| CAD FILE NO. | DWG. NO. | SCALE | SIZE | SHEET |
| STD | HPC/L/ROAD/2022/R-2/05 | NTS | XING | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS-1A (SHOWING ALONG PIPELINE SECTION VIEW)



TCS-1A 4-LANE DIVIDED HIGHWAY FOR ECCENTRIC WIDENING (LEFT SIDE) WITH SERVICE ROAD/OPEN COUNTRY

RECONSTRUCTION WITH GSB

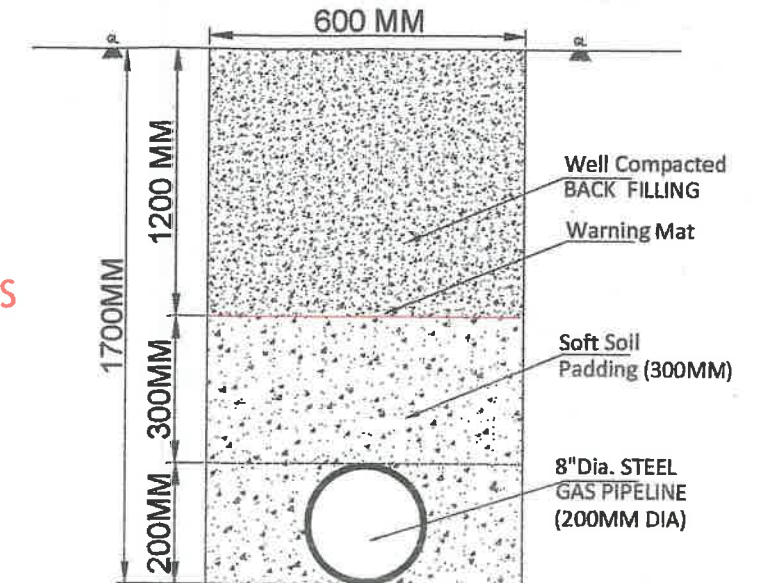
Handwritten signature

12-01-2023


अनिल कुमार
ANIL KUMAR

महाप्रबन्धक - परियोजना
General Manager - Projects

TYPICAL TRENCH PLAN SECTION



PROPOSED 8" DIA. GAS PIPELINE

| | | |
|--|----------------------------------|----------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | |
| PIPELINE LAYING | | |
|  HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/01A | NTS |
| SIZE | | SHEET |
| | | 1 OF 1 |

Handwritten signature
23/1/23

महाप्रबन्धक - परियोजना
(Bareilly-Bareilly Project)

NH TCS-3 (SHOWING ALONG PIPELINE SECTION VIEW)




RECONSTRUCTION WITH GSB

TYPICAL TRENCH PLAN SECTION



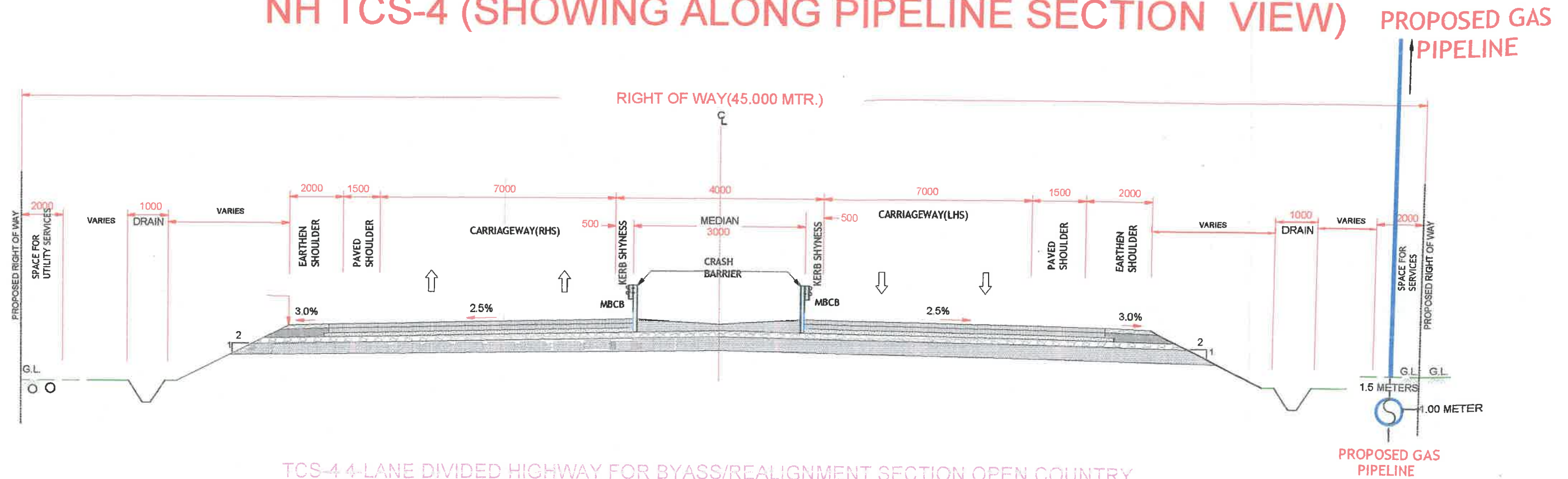
8"Dia. STEEL
GAS PIPELINE
(200MM DIA)

PROPOSED 8" STEEL DIA GAS PIPELINE

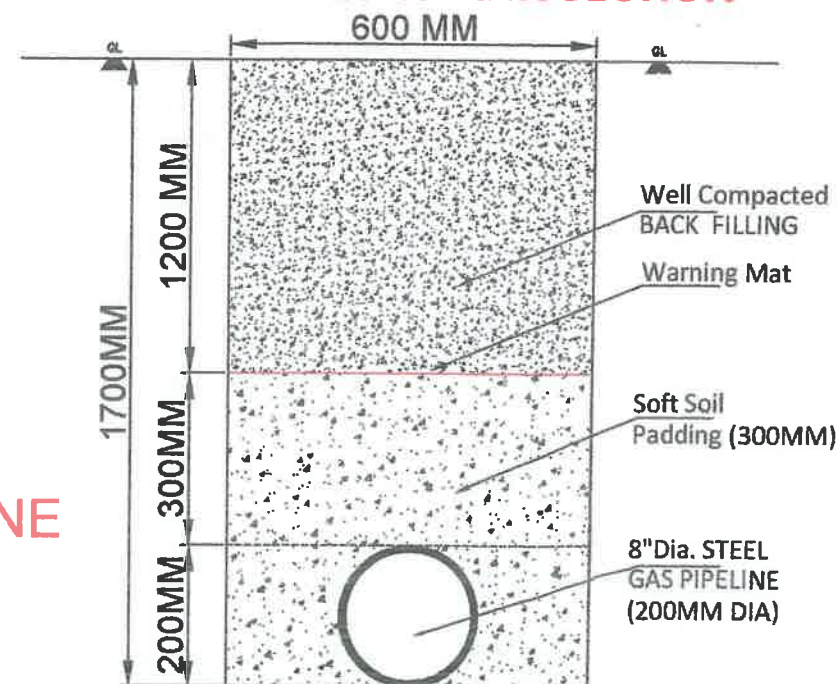
| | | | |
|---|---------------------------------|--|----------|
| 1. | | | |
| S.NO. | REFERENCE | DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING | |
|  | | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | |
| CAD FILE NO. | DWG. NO. | | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/01 | | NTS |
| | | | SHEET |
| | | | 1 OF 1 |


TYPICAL ALONG THE ROAD SECTION

NH TCS-4 (SHOWING ALONG PIPELINE SECTION VIEW)



TYPICAL TRENCH PLAN SECTION

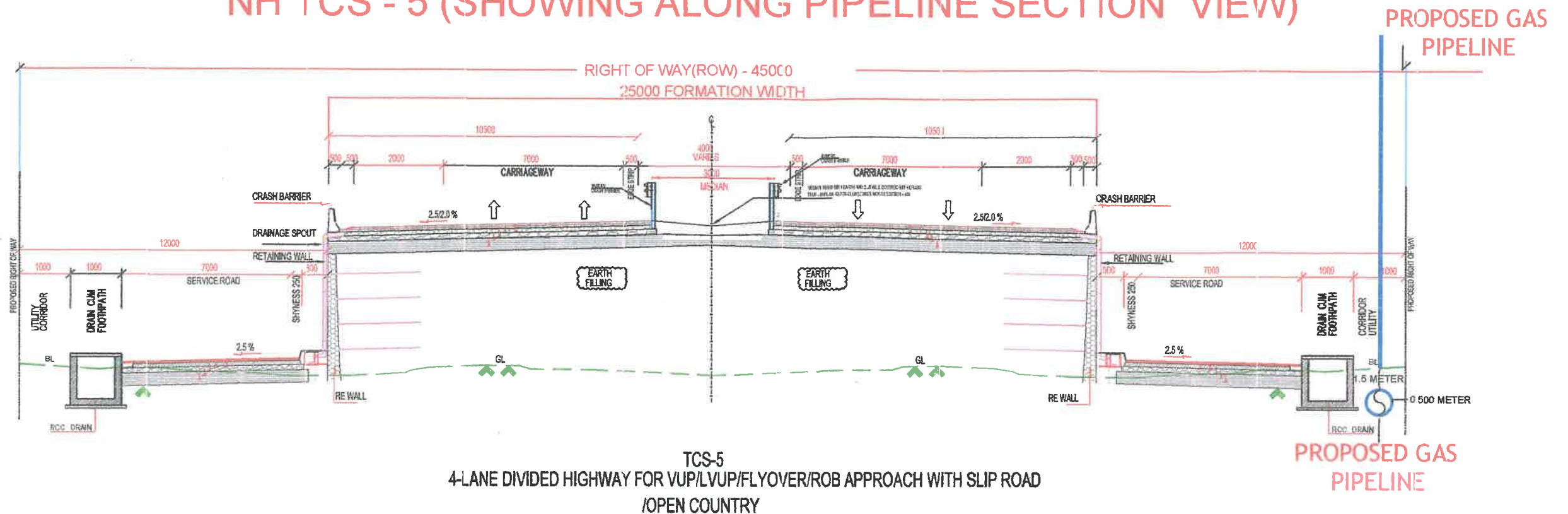


| | | |
|--|---------------------------------|-----------------|
| 1. | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. |
| PURPOSE | | PIPELINE LAYING |
|  HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/04 | NTS |
| SIZE | | SHEET |
| | | 1 OF 1 |

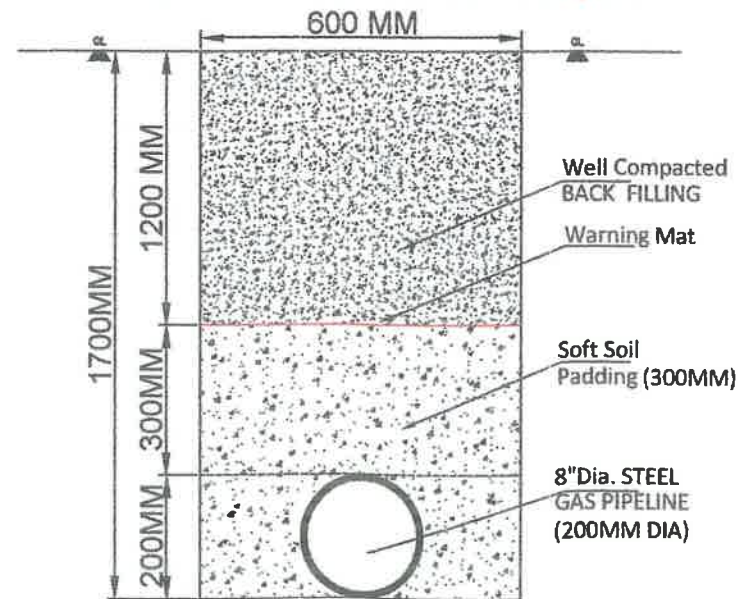
PROPOSED 8" STEEL DIA GAS PIPELINE

12-01-2023
 अनिल कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Project


TYPICAL ALONG THE ROAD SECTION
NH TCS - 5 (SHOWING ALONG PIPELINE SECTION VIEW)



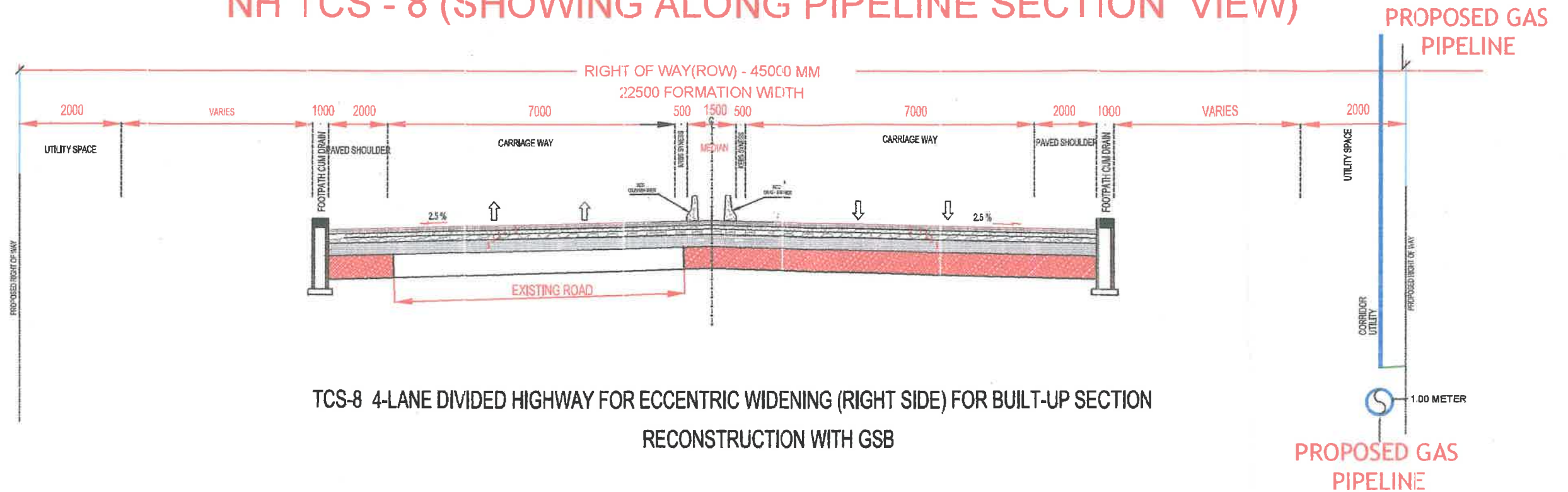
TYPICAL TRENCH PLAN SECTION



PROPOSED 8" DIA. GAS PIPELINE

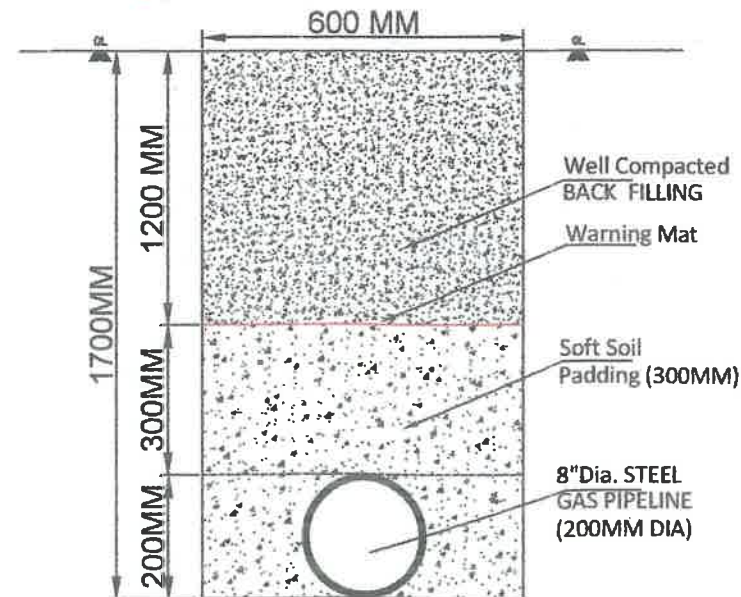
| | | | | |
|---|--|----------|------|--------|
| 1. | | | | |
| S.NO. | REFERENCE DRAWING | DWG. NO. | | |
| | | | | |
| PURPOSE | PIPELINE LAYING | | | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | |
| CAD FILE NO. | DWG. NO. | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/05 | NTS | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS - 8 (SHOWING ALONG PIPELINE SECTION VIEW)



TCS-8 4-LANE DIVIDED HIGHWAY FOR ECCENTRIC WIDENING (RIGHT SIDE) FOR BUILT-UP SECTION
RECONSTRUCTION WITH GSB


TYPICAL TRENCH PLAN SECTION



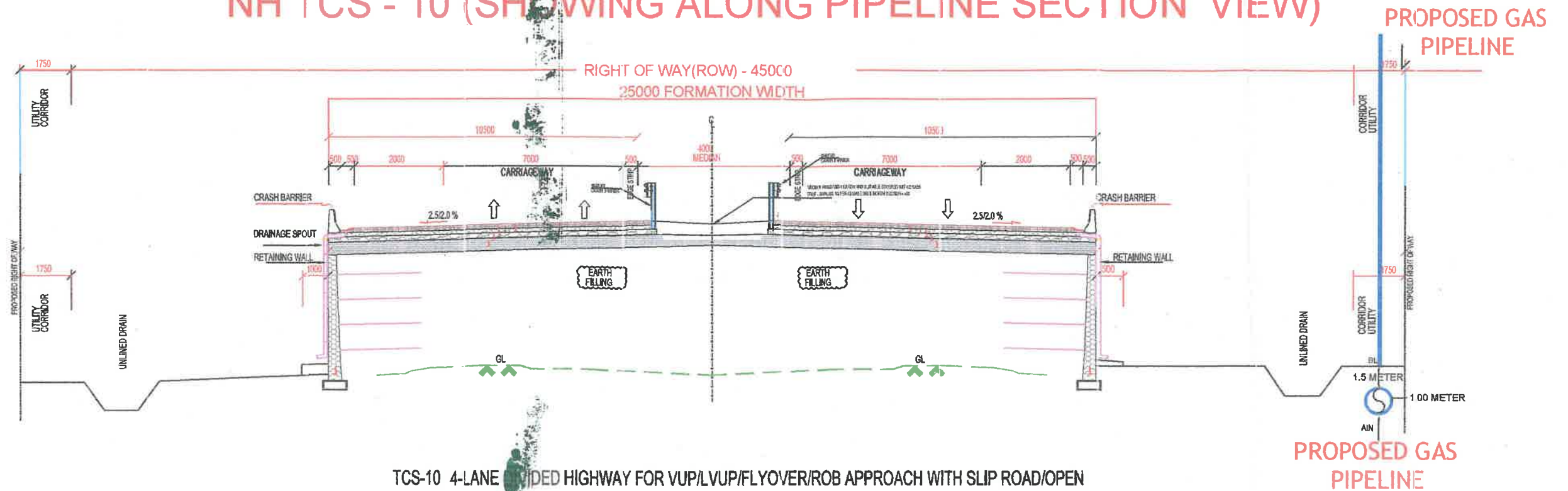
PROPOSED 8" DIA. GAS PIPELINE

A. n. k.
12.01.2023
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

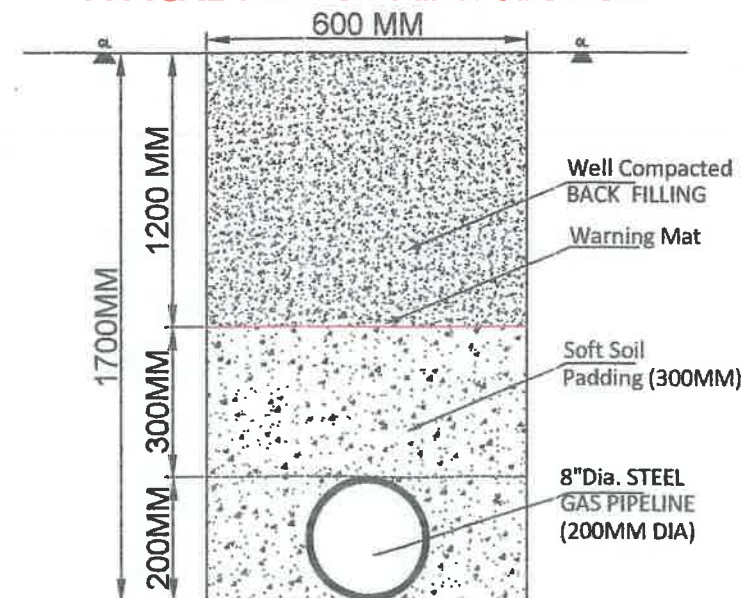
Om
23/1/23
Team Leader
HPCL/STEEL/PIPELINE/2022/TCS/08

| | | | | | |
|---|---------------------------------|-----------------|----------|------|--------|
| 1. | | | | | |
| S.NO. | REFERENCE | DRAWING | DWG. NO. | | |
| PURPOSE | | PIPELINE LAYING | | | |
| <div></div> <div>HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh)</div> | | | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | | |
| CAD FILE NO. | DWG. NO. | | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/08 | | NTS | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS - 10 (SHOWING ALONG PIPELINE SECTION VIEW)




TYPICAL TRENCH PLAN SECTION



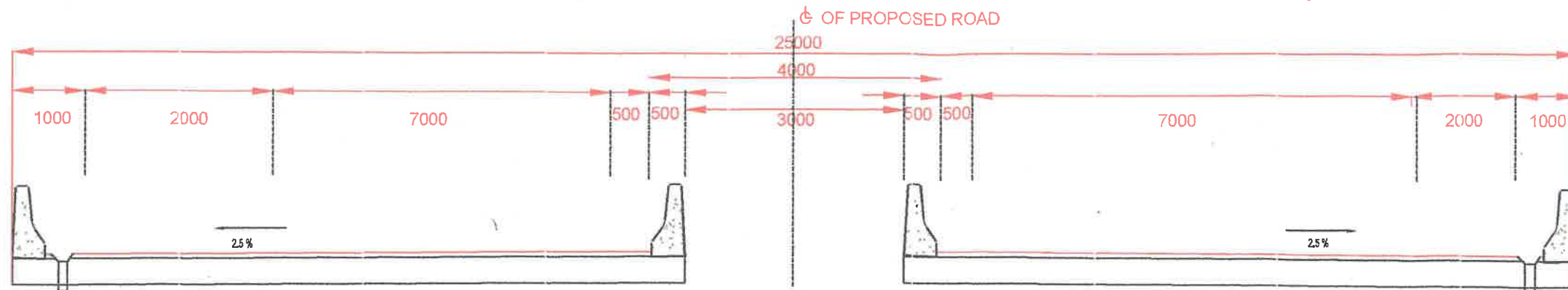
PROPOSED 8" DIA. GAS PIPELINE

A
12-01-2023
अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

23/1/23
Leader
HPCL/Steel/Pipeline/2022/TCS/10
(Slip Road/Rob Approach)

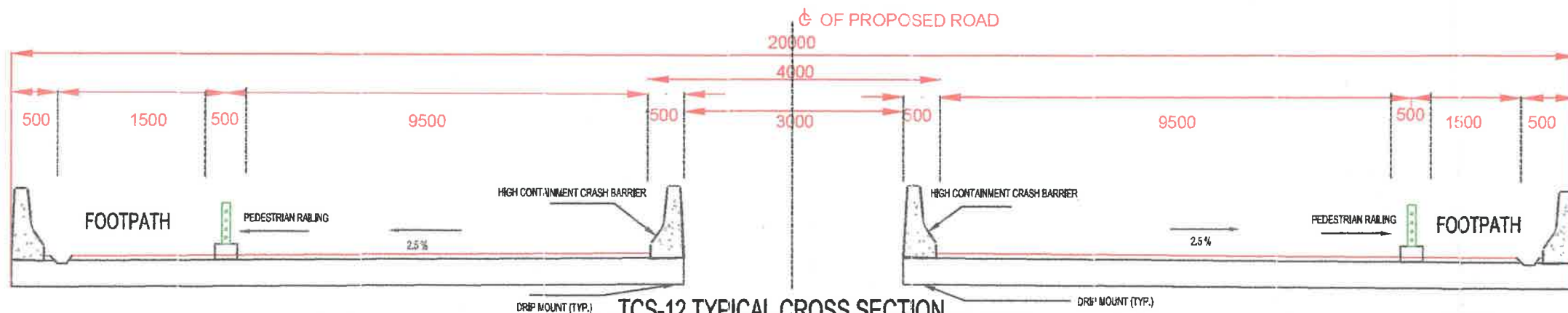
| | | |
|---|--|----------|
| 1. | | |
| S.NO. | REFERENCE | DWG. NO. |
| | | |
| PURPOSE | PIPELINE LAYING | |
|  | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor,,Mahalaaxmi Towers, 112 Civil L nes, Bareilly-243001 (Uttar Pradesh) | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | |
| CAD FILE NO. | DWG. NO. | SCALE |
| STD | HPCL/STEEL/PIPELINE/2022/TCS/10 | NTS |
| | | SIZE |
| | | SHEET |
| | | 1 OF 1 |

TYPICAL ALONG THE ROAD SECTION NH TCS - 11 (SHOWING ALONG PIPELINE SECTION VIEW)



TCS-11 TYPICAL CROSS SECTION

4-LANE DIVIDED HIGHWAY AT FLYOVER/VUP/LVUP/SVUP STRUCTURE SECTION



TCS-12 TYPICAL CROSS SECTION

4-LANE DIVIDED HIGHWAY AT MAJOR/MINOR BRIDGE SECTION VIEW CONSTRUCTION

PROPOSED GAS PIPELINE

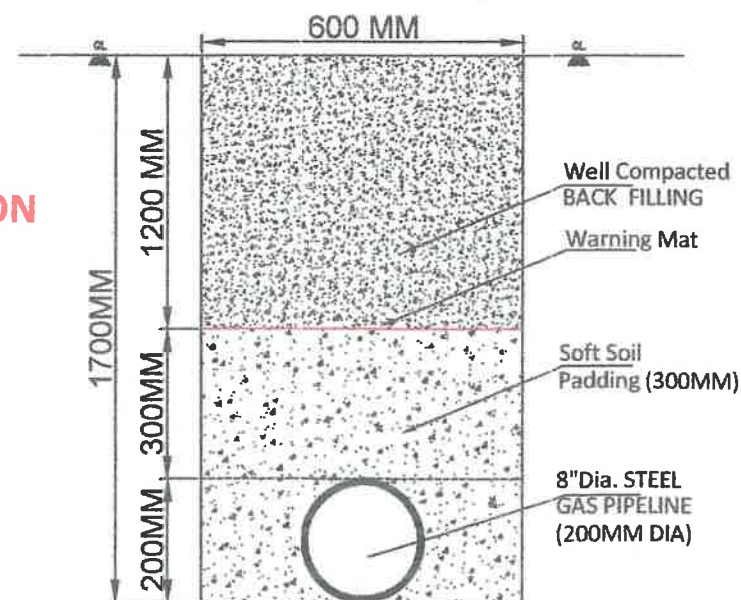
1.5 METER
1.00 METER


PROPOSED GAS PIPELINE

A. Anil Kumar
12/01/2023
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Projects

TYPICAL TRENCH PLAN SECTION

PROPOSED 8" DIA. GAS PIPELINE



| | | | | | |
|---|------------------------------|---|----------|------|--------|
| 1. | | | | | |
| S.NO. | REFERENCE | DRAWING | DWG. NO. | | |
| PURPOSE | | PIPELINE LAYING | | | |
|  | | HINDUSTAN PETROLEUM CORPORATION LTD. 1st & 2nd Floor, Mahalaaxmi Towers, 112 Civil Lines, Bareilly-243001 (Uttar Pradesh) | | | |
| SUPERIMPOSED PIPELINE MAP WITH NH PLAN | | | | | |
| ALONG THE ROAD PIPELINE SECTION VIEW | | | | | |
| CAD FILE NO. | DWG. NO. | | SCALE | SIZE | SHEET |
| STD | HPCL/STEEL/PL/2022/TCS/11-12 | | NTS | | 1 OF 1 |



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075 • G-5 & 6, Sector-10, Dwarka, New Delhi-110075
दूरभाष/Phone : 91-11-25074100 / 25074200



NHAI/Policy Guidelines/ Access Permission/2022 Policy Circular No.14.22/ 2022 dated 05th December, 2022 {Decision taken on E-Office File No. RO-Delhi/MoU (Comp. No. 144028)}

Sub.: Memorandum of Understanding (MOU) between NHAI and HPCL -reg.

Vide Policy Matter No. 4.21/2022 issued on 17.06.2022, a Memorandum of Understanding between NHAI and IOCL was circulated for compliance by all concerned.

2. In continuation to same, NHAI has now entered into an MoU with Hindustan Petroleum on similar lines, which may be complied herewith.
3. This issues with the approval of Competent Authority.

Encl.: As stated above

(Sanjay Kumar Patel)
General Manager (Coord.)

To:

All Officers of NHAI HQ/ ROs/ PIUs/ CMUs/ Site Offices

Copy to:

1. Hindi Officer for translation in Hindi.
2. Library for hosting the circular on library site.
3. Web Admin for circulation.



सत्यमेव जयते

INDIA NON JUDICIAL

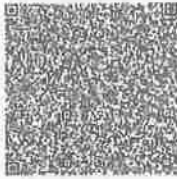
Government of National Capital Territory of Delhi

₹100

e-Stamp

| | |
|---------------------------|---|
| Certificate No. | : IN-DL20518603064265U |
| Certificate Issued Date | : 24-Nov-2022 10:41 AM |
| Account Reference | : IMPACC (IV)/ dl813703/ DELHI/ DL-DLH |
| Unique Doc. Reference | : SUBIN-DL81370316949607241263U |
| Purchased by | : HINDUSTAN PETROLEUM CORPORATION LIMITED |
| Description of Document | : Article 5 General Agreement |
| Property Description | : Not Applicable |
| Consideration Price (Rs.) | : 0 (Zero) |
| First Party | : HINDUSTAN PETROLEUM CORPORATION LIMITED |
| Second Party | : NATIONAL HIGHWAY AUTHORITY OF INDIA |
| Stamp Duty Paid By | : HINDUSTAN PETROLEUM CORPORATION LIMITED |
| Stamp Duty Amount(Rs.) | : 100 (One Hundred only) |

सत्यमेव जयते



₹100

Please write or type below this line IN-DL20518603064265U

MEMORANDUM OF UNDERSTANDINGBETWEENHINDUSTAN PETROLEUM CORPORATION LIMITEDANDNATIONAL HIGHWAY AUTHORITY OF INDIA (NHAI)

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.stockstamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

This Memorandum of Understanding (hereinafter referred to as "MOU") made at NHAI, G-3, Sector-10, Dwarka, New Delhi on this 30th of November 2022 ("Effective Date")

by and between:

Hindustan Petroleum Corporation Limited, a Government of India Company incorporated under the Companies Act 1956, having its registered office at 17, Jamshedji Tata Road, Mumbai - 400 020 (hereinafter called "HPCL" which expression shall include its successors and permitted assigns) of the First Part

And

National Highway Authority of India, an autonomous Authority constituted by Act of Parliament, having its registered office at Sector 10, Dwarka New Delhi – 110075, which expression shall, unless the context required otherwise, include its successors and permitted assigns (hereinafter referred to as "NHAI") of the Second Part.

HPCL and NHAI are individually referred to as "Party" and collectively as "Parties".

RECITALS:

WHEREAS; HPCL is a Maharatna Central Public Sector Enterprise under the administrative control of Ministry of Petroleum and Natural Gas (MoPNG), Government of India and is India's national oil company with business interests straddling the entire hydrocarbon value chain from refining, pipeline transportation and marketing of petroleum products to natural gas and petrochemicals.

WHEREAS; NHAI is an autonomous agency of the Government of India under the Ministry of Road Transport and Highways (MoRTH) for development, maintenance, and management of National Highways across the country.

WHEREAS; In ever expanding network of cross-country pipelines of HPCL and National Highways of NHAI, interfacing of these two structures and many locations is unavoidable.

WHEREAS; Parties are desirous of simplification of the process of obtaining crossing permissions, optimisation of the expenditure on the crossings and bringing about uniformity of such proceedings across the country.

WHEREAS; in furtherance of the same, NOW THEREFORE, it is understood between the parties as under:

I. SCOPE AND APPLICABILITY: The terms and conditions mentioned in this MoU will be applicable for complete network of NHAI's National Highways in National Highways Right of Way and HPCL's gas/ petroleum pipeline(s) across the country.

II. DESCRIPTION OF PURPOSE: This MOU is an understanding between the parties to express the mutual interest of the parties, within the framework of this MOU for amicable mutual interface for laying of gas / petroleum pipeline(s) along and across National Highways Corridors and vice versa.

III. OBLIGATIONS, DUTIES AND UNDERTAKINGS OF NHAI

1. In respect of already laid gas/ petroleum pipeline(s):

- a. Wherever the alignment of a National Highway ("NH") crosses an already laid gas / petroleum pipeline(s) (i.e., pipeline(s) existing prior to declaration of said National Highway vide relevant Notification), NHAI shall either construct portal structure(s) over the existing pipeline (as per **Annexure-A**) or cause shifting of such operating pipeline(s) at NHAI's cost under supervision of HPCL.
- b. NHAI will inform HPCL regarding upcoming alignment of National Highways over HPCL's existing gas / petroleum pipeline(s) as soon as NHAI becomes aware of such operating pipeline(s) to expedite the interface related formalities. However, NHAI may explore possibilities of expediting the information to HPCL regarding crossing of National Highways to HPCL's existing gas/ petroleum pipeline(s) during the land acquisition stage to expedite the crossing related formalities.
- c. NHAI will try to maximize the crossing angle i.e. near to 90° to HPCL's gas/petroleum pipeline(s).



- d. For crossing length exceeding 30m, NHAI to provide rectangular vent of minimum size 3ft x 3ft in the RCC portal structure.
 - e. NHAI will extend all possible support to HPCL during any exigency in HPCL's gas/ petroleum pipeline(s).
 - f. Wherever, the alignment of an existing National Highway ("NH") crosses an already laid gas/ petroleum pipeline(s) i.e. pipeline(s) laid after declaration of said National Highway vide relevant Notification), NHAI will allow HPCL to either shift or take suitable measures to protect its pipeline(s) at HPCL's cost within mutually agreed period of time upon receipt or notice from NHAI, if such pipeline obstructs the upgradation of the National Highway(s).
2. In respect of laying of new gas / petroleum pipeline(s):
- a. NHAI will issue NOC to HPCL for laying gas/petroleum pipeline(s) along and across National Highways in National Highways land (Right of Way) in 60 days period from the date of formal application by HPCL. Beyond this period of 60 days, it is understood by both the parties that the NOC stands issued.
 - b. NHAI shall not levy any charges from HPCL and its agencies for laying new gas/ petroleum pipeline(s) along or across National Highways in National Highways land (Right of Way).
 - c. NHAI will obtain Performance Security from HPCL before issuance of permission for laying gas/ petroleum pipeline(s) along and across National Highways in National Highways land (Right of Way).
 - d. NHAI will extend all possible support during any exigency in HPCL's gas / Petroleum pipeline(s) at crossing location of NHAI to HPCL.

IV. OBLIGATIONS, DUTIES AND UNDERTAKINGS OF HPCL

1. In respect of already laid gas/ petroleum pipeline(s):
- a. Wherever the alignment of a National Highway ("NH") crosses an already laid gas/ petroleum pipeline(s) (i.e. pipeline(s) existing prior to declaration of said National Highway vide relevant Notification), HPCL will allow NHAI to either construct portal

structures over the existing pipeline (as per Annexure-A) or cause shifting of such operating pipeline(s) at NHAI's cost under supervision of HPCL.

- b. Wherever, the alignment of an existing National Highway ("NH") crosses an already laid gas/ petroleum pipeline(s) (i.e. pipeline(s) laid after declaration of said National Highway vide relevant Notification), HPCL to either shift or take suitable measures to protect its pipeline(s) at HPCL's cost within mutually agreed time period upon receipt of notice by NHAI, if such pipeline obstructs the upgradation of the National Highway(s).
 - c. HPCL will not levy any charges on NHAI for constructing National Highways over their already laid gas/ petroleum pipeline(s).
 - d. HPCL will obtain Insurance Cover from NHAI before allowing construction of National Highways over their already laid gas/ petroleum pipeline(s).
 - e. HPCL will issue NOC to NHAI whenever under construction National Highway crosses over an already laid gas/ petroleum pipeline(s) (i.e. pipeline(s) existing prior to declaration of said National Highway vide Notification) in 60 days period from the date of formal application by NHAI. Beyond this period of 60 days, it is understood by both the parties that the NOC stands issued.
 - f. HPCL will extend all possible support during any exigency in NHAI's National Highways in National Highways Right of Way at crossing location of HPCL to NHAI.
2. In respect of laying of new gas/ petroleum pipeline(s):
- a. HPCL, while laying gas / petroleum pipeline(s) across already constructed National Highways will adopt Trenchless method throughout National Highways land (Right of Way) with the depth of topmost point of pipeline being at-least 1.5m below ground level/ bottom of any National Highway structure/ facility.
 - b. HPCL shall bear all cost for laying of new pipeline along or across existing NH land (Right of Way).
 - c. HPCL will try to maximise the crossing angle i.e. near to 90 Deg to NHAI's National Highways in National Highways Right of Way.

- d. HPCL will inform NHAI regarding crossing of HPCL's pipeline to National Highways during the land acquisition stage to expedite the crossing related formalities.
- e. HPCL will extend all possible support during any exigency in NHAI's National Highways in National Highways Right of Way at crossing location of HPCL to NHAI.

V. DEFINITIVE AGREEMENT:

1. The Parties may enter into separate agreement(s) in terms of this MoU on specific work association of the parties for crossing permissions and shall identify inter alia the methodology of crossing, division of their individual scope of work, division of responsibilities and respective liabilities, expenses etc.
2. Such definitive agreements would be binding on the parties and would be entered into generally as per the understanding contained in this MoU upon approval by competent authorities of the parties.
3. In case of any contradiction/ discrepancy in any of the clauses of MoU and the definitive agreement(s), the definitive agreement shall prevail. However, clauses of the definitive crossing agreement (s) to be made in line with this MoU conditions for both the parties.

VI. NON-EXCLUSIVITY:

The understanding between the Parties under this MoU shall be initially on non-exclusive basis. However, the understanding shall be on exclusive basis contingent upon parties entering into definitive agreement as stipulated above.

VII. BINDING UNDERSTANDING:

1. The Parties undertake to act in good faith in respect to each other's rights and obligations under the objectives of this MoU.
2. The Parties recognize the impracticality of providing for every contingency, which may arise during or after the expiry of the MoU and hereby agree to operate fairly and without detriment to the interests of either of them.

1



3. Subject to any definitive agreements entered into, this MoU is binding in nature and is a definitive expression and record of the purpose and intention of the Parties concerned.

VIII. TRANSFER AND ASSIGNMENT

1. None of the Parties shall assign or transfer this MoU or any of its respective rights or obligations hereunder, to any other third party without the prior written consent of the other.
2. This consent requirement shall not apply in the event that a Party shall change its corporate name.

IX. DISPUTE RESOLUTION AND GOVERNING LAW:

1. This MoU will be construed and governed by the laws of India.
2. Any dispute arising out of this MoU shall be amicably resolved in first instance, through discussions in good faith with a view to expeditiously resolve such differences or disputes in a spirit of mutual understanding and cooperation.
3. In the event of any dispute or difference relating to the interpretation and application of the provisions of this agreement, such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22.05.2018 issued Ministry of Heavy Industries and Public Enterprises.

X. DURATION AND TERMINATION OF THIS MOU:

1. This MOU shall come into force on the Effective Date.
2. This MOU shall remain in force for a period of three (3) years from the Effective Date (i.e. the date on which this MOU is signed).
3. The Parties may elect to extend the period of this MoU for an additional period of time or multiple periods of time as may be mutually agreed upon by the Parties in writing.

1



4. Each party has a right to terminate the MOU at any time during the validity of this MoU, in writing, with at least one (1) month notice of such intention to the other party. However, the termination of this MoU shall not affect the actions that may have been formalized during its operation.

XI. CONFIDENTIALITY

1. The Parties hereto agree that they will not at any time during the Term of this MoU, without the prior written consent of the other Party, disclose the existence of, or the terms and conditions set forth in this MoU unless otherwise required by law or regulation.
2. Only those individuals and representatives of the Parties, and their respective legal and financial advisors, with a need to know and for the sole basis of advising the respective Parties concerning the transactions contemplated hereby, shall be permitted to receive knowledge of the information contained herein.

XII. AMENDMENT

1. This MoU may be amended in writing by mutual agreement between the Parties.
2. Any such amendment shall come into force from the date agreed to by the parties.

XIII. NOTICES

1. Notices in connection with this MOU must:
 - a. Be in writing, in the English language,
 - b. All notices or other information required or deemed necessary to be given to:

i. For NHAI:

Name : Chairperson, NHAI

Address: NHAI 2nd Office Building, G-3, Sector-10, Dwarka, New Delhi-110075

Email Id: chairman@nhai.org, chairperson@nhai.org

ii. For HPCL:

Name : Executive Director – P&P

Address : 1st Floor, Hindustan Bhavan, HPCL, 8 SV Marg, Ballard Estate,

Mumbai – 400 001

Email Id: anujjain@hpcl.in



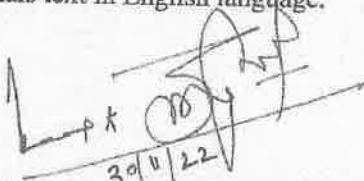
- c. Notices shall be delivered by courier or hand or sent by email to the respective addresses and email which are specified above or if the addressee specifies another address or email, in writing, then to that address or email.

XIV. COUNTER PARTS

This MoU shall be executed in two counterparts. Both Parties shall each have one counterpart of this MOU. Both counterparts shall constitute one and the same MoU.

In witness whereof, the undersigned being duly authorized thereto, by their respective parties, have signed this MoU.

Signed at NHAI, G-3, Sector-10, Dwarka, New Delhi on 30th November 2022 in two originals text in English language.


Signature.....

Signed by: Udeep K Singhal
General Manager (Tech.) &
Regional Officer, Delhi

For and on behalf of:
National Highway Authority of India

Witnesses:



Signature.....

Signed by: AKASH PADHI
DGM(T)
NHAI


Signature.....

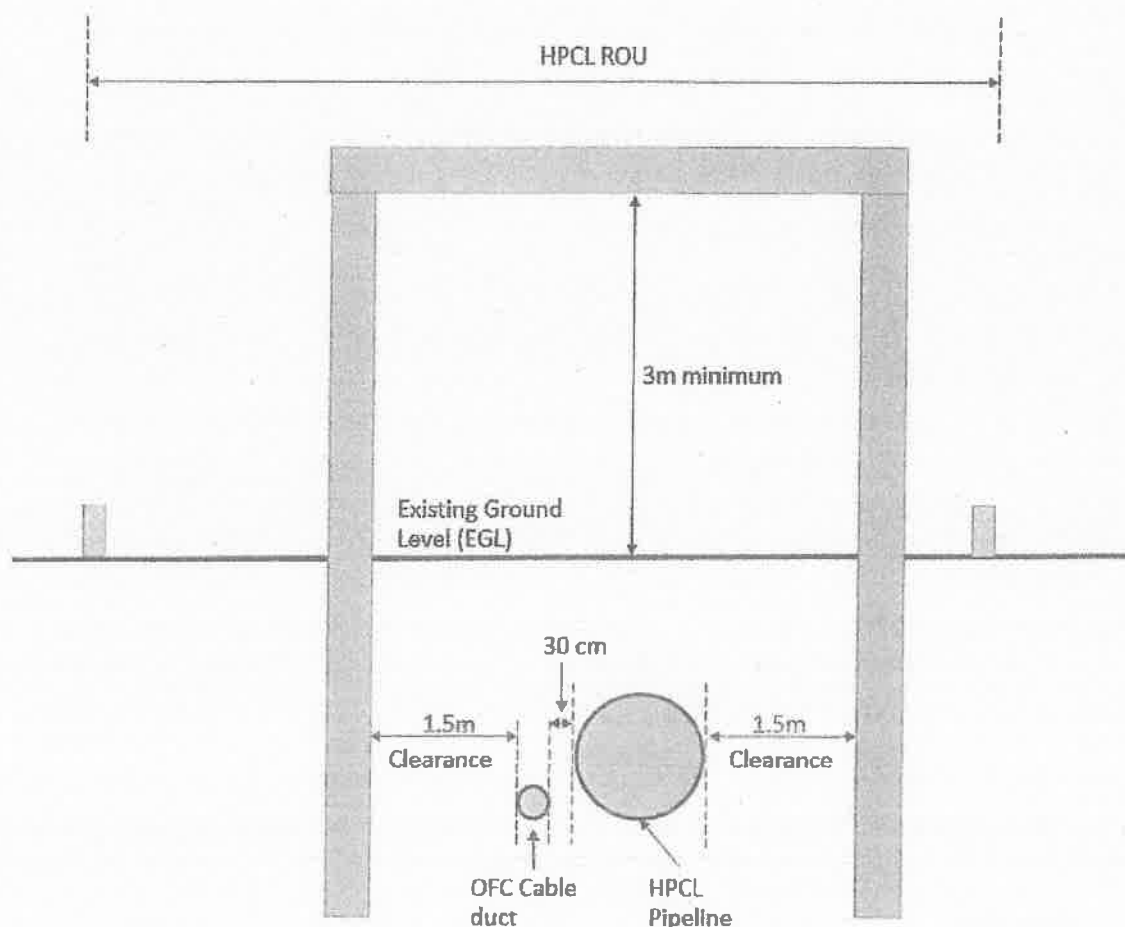
Signed by: Tushar Kant Jha
Chief Manager - Co-ordination
Projects & Pipelines, Delhi

For and on behalf of:
Hindustan Petroleum Corporation Ltd.


Signature.....

Signed by: SANJAY KUMAR
CHIEF MANAGER CGD
HPCL

ANNEXURE – A



PROPOSED RCC PORTAL STRUCTURE ACROSS HPCL'S ROU

Note:

- i. OFC – Optical Fibre Cable
- ii. Clearance of minimum 1.5 m to be kept from outside edges of pipeline and OFC as shown above.
- iii. In case of multiple pipelines in the same ROU, single portal or more than one portal as per site condition can be built with minimum distance of 1.5 m from outside edges of pipeline and OFC as shown above.

[Handwritten signature]

Calculation for Performance Bank Guarantee - Utility Provider (HPCL CGD UP Cluster)

As per Ministry Circular no. RW/NH-33044/29/2015/S&R dated 22.11.2016
Amount of performance guarantee is based on Route length per metre

Rate of BG per metre length is

| | | |
|-----------------------------|--|---------------|
| <= 300 mm | | Rs 100 |
| > 300mm width but <=1000 mm | | Rs 250 |
| >1000 mm | | Rs 500 |

| Sl. No. | Design Ch. In Mtr. | | Existing Ch. in Mtr. | | Total Length (in m) | Dia / Width of Utility in m | Rate per metre length in Rs | Amount in Rs. | Remarks |
|--------------|--------------------|-------|----------------------|--------|---------------------|-----------------------------|-----------------------------|----------------|---------|
| | From | To | From | To | | | | | |
| 1 | 0 | 380 | | 328900 | 380 | 0.256 | 100 | 38000 | Along |
| 2 | | | 328900 | 324700 | 4200 | 0.256 | 100 | 420000 | Along |
| 3 | 4700 | 6600 | | | 1900 | 0.256 | 100 | 190000 | Along |
| | 6600 | 11060 | | 318340 | 4460 | 0.256 | 100 | 446000 | Along |
| 4 | | 23400 | 318340 | 306480 | 7140 | 0.256 | 100 | 714000 | Along |
| 5 | | 23400 | 318340 | 306480 | 4720 | 0.256 | 100 | 472000 | Along |
| 6 | 23400 | 28160 | | 301720 | 4760 | 0.205 | 100 | 476000 | Along |
| 7 | | | 301720 | 292720 | 9000 | 0.205 | 100 | 900000 | Along |
| 8 | | | 325810 | | 30 | 0.305 | 100 | 3000 | Across |
| 9 | 6600 | | | | 45 | 0.305 | 100 | 4500 | Across |
| 10 | | | 318340 | | 30 | 0.305 | 100 | 3000 | Across |
| 11 | | | 309440 | | 35 | 0.305 | 100 | 3500 | Across |
| 12 | | | 299100 | | 35 | 0.254 | 100 | 3500 | Across |
| Total | | | | | 36735 | | Rs. | 3673500 | |


ANIL KUMAR
 General Manager - Projects
 हरियाणा - प्रियंका



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस: पेट्रोलियम हाउस 17, जमशेदजी टाटा रोड, मुंबई 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERD OFFICE: PETROLEUM HOUSE, 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020

Website: www.hindustanpetroleum.com CIN No. L2320 1MH1952GO1008858

गृहरी गैस वितरण परियोजना, यू. पी. एण्ड यू. के. क्लस्टर प्रथम एवं द्वितीय तह, महालक्ष्मी टॉवर्स, 112 सिविल लाइन्स, बरेली-243001 फोन: 0581-2422020, 2970180, मो.: 7409900099
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahalaxmi Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob : 7409900099



Annexure – Additional Undertaking

UNDERTAKING

I, the undersigned, **Mr. Anil Kumar**, residing at Bareilly, Occupation: service as a General Manager - Projects (With Hindustan Petroleum Corporation Limited Having its office at 1st&2nd floor, Mahalaxmi Towers, 112 Civil Lines, Bareilly -243001, Uttar Pradesh (U.P.) on behalf of Hindustan Petroleum Corporation Limited hereby undertakes the responsibilities of laying of pipeline along National Highway at below mentioned locations as per the technical specification and approval of NHAI/ Morth (Latest Guideline). Also, the pipeline does not pose any problem/hindrane for the widening and implementation.

Sub: Permission for laying proposed 6" & 8" Dia Gas Pipeline with OFC Along NH-30 (Bareilly- Pilibhit Road) From Design Ch. 0.000 Km to Design Ch. 0.380 Km LHS, From Existing Ch. 328.900 Km to Existing Ch. 324.700 Km LHS, From Design Ch. 4.7 Km to Design Ch. 6.600 Km LHS, From Design Ch. 6.600 Km to Design Ch. 11.060 Km RHS, From Existing Ch. 318.340 Km to Existing Ch. 306.480 Km RHS, From Design Ch. 23.400 to Design Ch. 28.160 Km RHS, From Existing Ch. 301.720 Km to Existing Ch. 292.720 Km RHS & Across At Existing Ch. 325.810 Km, At Design Ch. 6.600 Km, At Existing Ch 318.340 Km, At Existing Ch. 309.440 Km & At Existing Ch. 299.100 Km to develop CGD Network in Pilibhit district of Uttar Pradesh State.

Gas Pipeline shall be located at the farthest edge of ROW i.e. within 1.0 m from edge of ROW or within existing/proposed utility space alongside National Highway as per availability of utility corridor. No excavation will be done for utilities within 1.5m. from the outer edges of the side drains. Likewise, no excavation will be done adjacent to the foundation of the structures.

1. **Hindustan Petroleum Corporation Limited** is hereby undertaking that, in future if NHAI required or any expansion (Widening/implementation) in NHAI Roads at subject locations will be carried out and if needs to remove the pipeline from Layout, the same shall be removed/shift within action of NHAI notice by Hindustan Corporation Limited at its own cost.

अनिल कुमार
ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Projects

2. The proposed Gas line will be preferably located at the farthest edge of ROW (The pipeline will be laid alongside available space or within existing/proposed utility space alongside National Highway as per availability of utility corridor) and beyond 1.5 m from extreme edge of the side drains/ditches opposite to the carriage ways, leaving carriage way, embankment, earthen shoulders, berms shoulders, berms and drains undisturbed. No excavation will be done for utilities within 1.5 m. from the outer edges of the side drains. Likewise, no excavation will be done adjacent to the foundation of the structures.
3. Also, we hereby undertake that, if any obstruction observed while laying the proposed pipeline where the row is restricted and alongside space is not available, the same will be executed by HDD method by maintaining required minimum depth or depth may be suggested by NHAI.

WHERE THE LAND IS BEING ACQUIRED BY NHAI

4. We hereby undertake that, "No work shall be executed unless the complete possession of the ROW is taken and Land Acquired by NHAI" for laying of proposed pipeline at the above mentioned NH chainage locations.
5. The entity will remove utilities from the Layout, or. Shift the utility for the with to alteration space and will not claim anything from the NHAI.

Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.


6. We will take full care not to damage any existing utility during the laying/crossing of pipeline (Gas pipe line, Water supply line, Electric line or any other line) and if damage than Hindustan Petroleum Corporation Limited Will pay all losses either to the concerned agency or to NHAI.
7. We hereby confirm that, we are ready to pay all necessary charges/processing fees/rental charges. if any raised by NHAI for laying said pipeline at above mentioned location.
8. We hereby undertake that; The foundation & superstructure of all the culverts, Utility, any property belonging to NHAI and NH road will not be damaged/affected while laying the said pipeline and or if any obstruction observed while laying pipeline the same will be executed by HDD method only.
9. A prior intimation will be given to NHAI before any commencement of work and All safety arrangement will be in place during execution work, if any incident due to lapses will be attributed to executing agency.


अनिल कुमार
ANIL KUMAR
महाप्रबंधक - परिवहन
General Manager - P

10. The Trench of size is approx. 0.600 m wide and 1.2 -meter-deep will be made by Open cut method for laying the Pipeline parallel/along to NH road at the extreme edge of the road or alongside available space. The Size of Trench will be done as nearly vertical as possible. Then the pipeline will be laid. The backfilling of the trench will be done by side fill to the top of pipeline, overfill to be bottom of the road crust and the overfilling will be completed to the same density as the material that had been removed.
11. The Gas pipeline will not be laid over existing culverts and bridges Since there is on provision of duct the gas pipeline will be laid parallel/along the road by open cut method where the suitable space is available for laying on the extreme edge of the Road or alongside available utility space.

Yours Sincerely,

(For and On Behalf of Hindustan Petroleum
Corporation Limited)


12-01-2023
(Anil Kumar)
General Manager Projects
Authority Signatory
महाप्रबन्धक - परियोजना
General Manager - Projects