



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//7802

06.04.2023

Invitation of Public Comments

Sub.: Request for grant of permission for laying proposed 4/6 Dia steel Gas Gas Pipeline with OFC across NH-30 (Bareilly-Shahjahanpur Road) from Right to Left, Across At Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.0006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km develop CGD Network in Shahjahanpur District of Uttar Pradesh state.

1. The Authorized Signatory M/S Hindustan Petroleum Corporation Limited has submitted the Permission for laying proposed 4/6 Dia steel Gas Gas Pipeline with OFC across NH-30 (Bareilly-Shahjahanpur Road) from Right to Left, Across At Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.0006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km develop CGD Network in Shahjahanpur district of Uttar Pradesh.
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,
282/01 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. एच. यू. के. क्लस्टर फ़ाउंडेशन, मुंबई टाटा रोड, 112 सिविल लाइन्स, बरेली-243001 फ़ोन: 0581-2422020, 2970180, मो.: 7400000000
City Gas Distribution, UP & UK Cluster 1st & 2nd Floor, Mahatma Towers, 112 Civil Lines, Bareilly - 243001, Tel : 0581-2422020 2970180, Mob : 7400000000



Ref: HPCL/CGD/GA-SB/218

DIM-2
hoo 13

Date: 14/03/2023

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

National Highways Authority of India
Project Implementation Unit Bareilly
Received No. 12860
Date... 18/03/23

03 files
Received

Sub.: Permission for laying proposed 4/6" Dia of Steel Gas Pipeline with OFC Across NH-30 (Bareilly-Shahjahanpur Road) From Right to Left , Across At Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km Km develop CGD Network in Shahjahanpur district of Uttar Pradesh State.

Ref: Your Office Letter no. 10004/22/2022/PIU-Bareilly /17586

Dear Sir

This is in the reference to your office letter dated 04.03.2023 vide which proposal for Permission for laying proposed 4/6" Dia of Steel Gas Pipeline with OFC Across NH-30 (Bareilly-Shahjahanpur Road) From Right to Left , Across At Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km Km develop CGD Network in Shahjahanpur district of Uttar Pradesh State.

1. Chainages mentioned in the proposal is not found correct of the proposed crossing locations on the NH for example in the proposal design chainage for crossing is shown as km. 294+365 whereas it should be km. 295+460. It is also requested to mention the side (LHS or RHS).

1. Chainages have been changed and Side has been mentioned as per your observation.

अनिल कुमार
ANIL KUMAR
महाप्रबंधक - परियोजना
General Manager - Projects

2. Width of the MCW shown in Annex-A is 15 mtr whereas the width of Black Top is 17 mtrs.	2.The Width of Black Top has been corrected from 15m to 17m as per your observation.
3. The calculation for the license fee as per DM circle rate & as per MoRTH circular dated 22.11.2016 is not enclosed with the proposal.	3. As per Circular No.14.22/ 2022. dated 05th December 2022 (MOU between NHAI and HPCL) NHAI shall not levy any charges from HPCL and its agencies for laying new gas pipeline along or across National Highways in National Highways Land(Right of Way). Copy of MOU already enclosed in proposal

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,



 अनिल कुमार
 ANIL KUMAR
 महाप्रबन्धक - परियोजना
 General Manager - Projects
 18.03.2023

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

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-243001, U.P.	
1.2	National Highway Number	NH-30	
1.3	State	Uttar Pradesh	
1.4	Location	Shahjahanpur	
1.5	(Chainage in Km)	Across the Road: Across: (Right to Left) at Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km.	
1.6	Length in Meters	Across the Road: Across: (Right to Left) at Design Ch 295.460 Km, Design Ch 301.120 Km, Design Ch 302.006 Km, Design Ch 303.240 Km, Design Ch 307.720, Km Design Ch 308.750 Km, Design Ch 319.230 Km, Design Ch 336.005 Km & Design Ch 338.925 Km (Length = 540 M)	
1.7	Width of available ROW	60	
	(a) Left side from center line towards increasing chainage / km direction	30	
	(b) Right side from center line towards increasing chainage / km direction	30	
1.8	Proposal to lay underground Gas pipeline with OFC cable	N/A	
	(a) Left side from center line towards increasing chainage / km direction		
	(b) Right side from center line towards increasing chainage / km direction		
1.9	Proposal to acquire Land	N/A	


उप प्रबन्धक तक०
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उत्तर प्रदेश)


परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उत्तर प्रदेश)

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ANIL KUMAR
महाप्रबन्धक – परियोजना
General Manager - Projects

1.10	Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable	N/A	
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	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders /4 /6/8 lanes)	NA	
1.14	Service Road existing or not If yes then which side	Yes	
	(a) Left side from center line	Yes, In the Patches	
	(b) Right side from center line	Yes, In the Patches	
1.15	Proposed Service Road (a) Left side from center line (b) Right side from center line	N/A	
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 spade 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 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	N/A	

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परियोजना कार्यान्वयन इकाई, बरेली

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली

अमित कुमार
ANIL KUMAR
General Manager - Projects

2
Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly-Sitapur NH-24

	of the Ministry's Project Chief Engineers only.		
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 and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	Yes	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	(f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Yes	
	(g) The top of the casing / conduit pipe should be at least 1.2 meter below the	Yes	

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परियोजना कार्यान्वयन इकाई, बरेली (उ०००)

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24

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परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०००)

	surface of the road subject to being at least 0.3 meter below the drain inverts.		
	(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)	N/A	
	(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 or digging a trench. Installation by boring method shall be preferred.		
	(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.		
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	N/A	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than		

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[Signature]

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक - परियोजना
General Manager - Project

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[Signature]

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

	the outer diameter of the pipe.		
	(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.		
	Unsuitable soil and rock edged should be excavated and replaced by selected material.		
	(c) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.		
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.		
	(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.		
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.		
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line		
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 NHA has to be obtained @ Rs..... per running meter (parallel to NH) and Rs per crossing of NH, for a period of	Will obtain at the time of receipt of permission	

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परियोजना कार्यान्वयन इकाई

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24

अनिल कुमार
ANIL KUMAR
महाप्रबन्धक – परियोजना
General Manager – Project

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

	one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50 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 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.	Enclosed	

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परियोजना कार्यान्वयन इकाई बरेली

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24

आनंद कुमार
ANIL KUMAR
महाराष्ट्र परियोजना
General Manager

6

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई बरेली

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 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-lanning based on the feasibility report considering proposed structures at the said location”.		

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परियोजना कार्यान्वयन इकाई, बरेली

Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24

अनिल कुमार
ANIL KUMAR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
General Manager - Projects

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (संलग्न-1)

	(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 performa (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		


उप प्रबन्धक तर्फ
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

Date : 12-01-2023
Place : Bareilly


Yours Sincerely


ANIL KUMAR
महाप्रबन्धक – परियोजना
General Manager - Projects

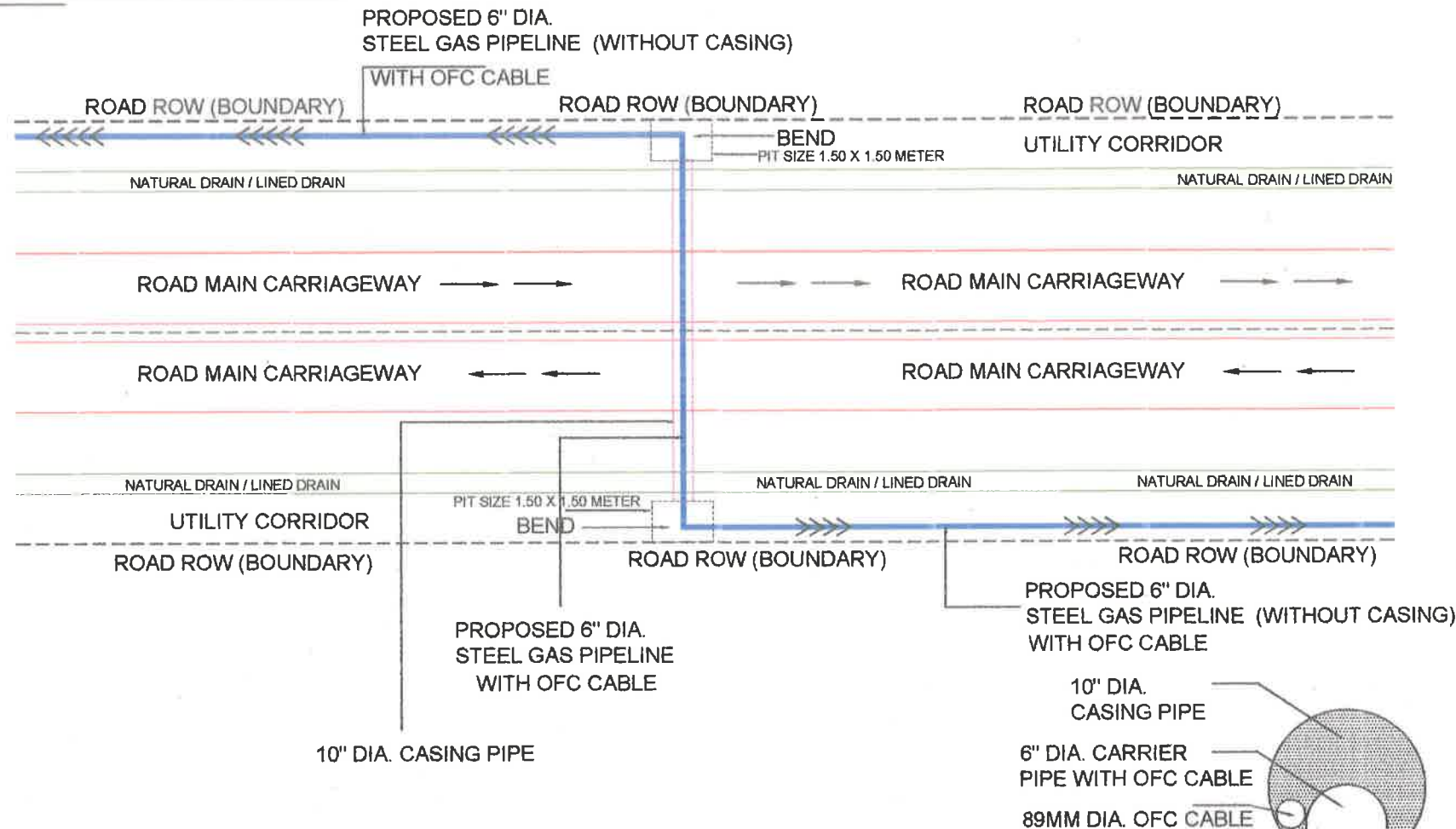
Anil Kumar
General Manager - Projects
Hindustan Petroleum Corporation
Limited Bareilly.


Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

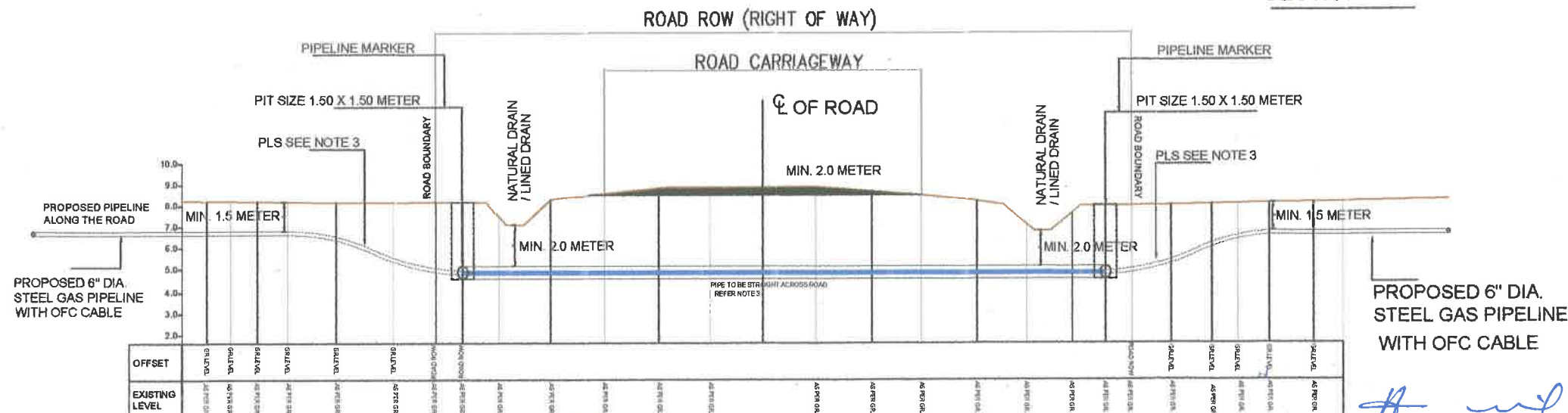

Team Leader
Theme Engineering Services Pvt.Ltd
Bareilly- Sitapur NH-24


परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

NAME OF CROSSING - STANDARD ROAD CROSSING



SECTION A-A



Resident Engineer
B-S Section, NH- 24
TES, Shahjahanpur

TYPICAL PROFILE

Team Leader
Theme Engineering Services Pvt.Ltd
 Bareilly- Sitapur NH-24

12-01-2023
ANIL KUMAR
महाप्रबन्धक - पश्चिमोत्तर
General Manager - P.W.

उप प्रबन्धक तक०
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०प्र०)

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, बरेली (उ०)

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/Revised/Existing drawing

1.		
S.NO.	REFERENCE DRAWING	DWG. NO.

PURPOSE	APPROVED FOR CROSSING
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00											
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-2/05	NTS	XING	1 OF 1