



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-VZM/NH-130CD/K-S (RV-IV)/NOC/2025/ 3956 Dt.10.10.2025

To

The Sr. Technical Director,
NIC, Transport Bhawan,
New Delhi- 110001.

Sub: M/s. HPCL - Development of Six Lane of Kantakapalle - Sabbavaram Sections of NH-130CD Road from Km.445+100 to Km.464+662 under Raipur - Visakhapatnam Economics Corridor in the State of Andhra Pradesh for issuance of NOC to HPCL for laying of Visakh - Raipur underground product pipeline of 14" dia along with OFC at Km.456+172 (with 20" casing pipe up to IS specification with OFC placed in the casing) - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal submitted by M/s. HPCL for laying of Visakh - Raipur underground product pipeline of 14" dia along with OFC at Km.456+172 from Km.445+100 to Km.464+662 under Raipur- Visakhapatnam Economics Corridor in the State of Andhra Pradesh.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22nd November 2016, the application along with the recommendations of PD, PIU-Vizianagaram & notice inviting public comments are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest), for taking further necessary action.

Yours faithfully,

(R.K. Singh, IES),

CGM (Tech.) & Regional Officer

Encl: As above

Copy to:

- (i) PD, PIU - Vizianagaram
- (ii) M/s. HPCL



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,
रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,
Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-VZM/NH-130CD/K-S (RV-IV)/NOC/2025/3957 Dt.10.10.2025

INVITATION OF PUBLIC COMMENTS

Sub: M/s. HPCL - Development of Six Lane of Kantakapalle - Sabbavaram Sections of NH-130CD Road from Km.445+100 to Km.464+662 under Raipur- Visakhapatnam Economics Corridor in the State of Andhra Pradesh for issuance of NOC to HPCL for laying of Visakh - Raipur underground product pipeline of 14" dia along with OFC at Km.456+172 (with 20" casing pipe up to IS specification with OFC placed in the casing) - Public comments - Reg.

The Project Director, PIU - Vizianagaram submitted a proposal of M/s. HPCL for laying of Visakh - Raipur underground product pipeline of 14" dia along with OFC at Km.456+172 from Km.445+100 to Km.464+662 under Raipur - Visakhapatnam Economics Corridor in the State of Andhra Pradesh.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22nd November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,
National Highways Authority of India,
Regional Office, Dr. No.41-29-45A, R. S. No.373/2A
Near Kodandaramalayam, Chalasani Nagar,
Ranigarithota, Krishnalanka, Vijayawada - 520 013.
Email: rovijayawada@nhai.org

(R.K. Singh, IES),
CGM (Tech.) & Regional Officer



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)



BHARATMALA
ROAD TO PROSPERITY

परियोजना निदेशक कार्यालय, परियोजना कार्यालय इकाई - विजयनगरम
प्लॉट नंबर 149 & 150, बालाजीनगर, केविर एस्टेट्स, गोल्लपेट पंचायत, विजयनगरम - 535 004, ए.पि., भारत
OFFICE OF THE PROJECT DIRECTOR, PROJECT IMPLEMENTATION UNIT - VIZIANAGARAM
Plot No. 149 & 150, Balaji Nagar, KVR Estates, Gollapeta Panchayat, Vizianagaram - 535 004, A.P., India
Ph : 08922-294677, ई-मेल/ E-mail : piuvizianagaram@nhai.org, nhaipiuvzm@gmail.com, वेब : www.nhai.gov.in

No: NHAI/PIU-VZM/PKG-4/HPCL/2025-26/ **5806**

03rd October, 2025

To

The Regional Officer,
Door No. 41-29-45A,
MORTH/NHAI Buildings, Ranigarithota,
Near KanakadurgaVaradhi, Krishnalanka,
VIJAYAWADA - 520013

Sub: NHAI, PIU-Vizianagaram- Development of Six Lane of Kantakapalle - Sabbavaram Sections of NH-130CD Road from Km. 445+100 to Km. 464+662 under Raipur-Visakhapatnam Economics Corridor in the State of Andhra Pradesh on Hybrid Annuity Mode under Bharatmala Pariyojana [Package- 4(AP)] -Issuance of NOC to HPCL for laying of Visakh - Raipur underground product pipeline of 14" dia along with OFC at Km. 456+172- Reg.

- Ref:
- (i) Hindustan Petroleum Corporation Limited (HPCL) letter no. HPCL/VZM/VRPL/AP/NHAI/2025/06 dated 28.01.2025.
 - (ii) PIU-Vizianagaram letter no. NHAI/PIU-VZM/PKG-2/HPCL/2024-25/4896 dated 18.02.2025.
 - (iii) Concessionaire letter no. NKC/JK/PLNG/RV/AP-02/2024-25/1467 dated 07.03.2025 of M/s. NKC KS Expressway Private Limited
 - (iv) Independent Engineer letter no. CPC/AK/IE-NH130/ no. 1038 dated 19.02.2025.
 - (v) PIU-Vizianagaram letter no. NHAI/PIU-VZM/PKG-2/HPCL/4967 dated 10.03.2025.
 - (vi) Hindustan Petroleum Corporation Limited (HPCL) letter no. HPCL/VZM/VRPL/AP/NHAI/2025/01 dated 04.08.2025.
 - (vii) Hindustan Petroleum Corporation Limited (HPCL) letter no. HPCL/VZM/VRPL/AP/NHAI/2025/07 dated 18.08.2025.
 - (viii) Hindustan Petroleum Corporation Limited (HPCL) letter no. HPCL/VZM/VRPL/AP/NHAI/2025/08 dated 25.08.2025.

Sir,

Please refer to the Hindustan Petroleum Corporation Limited (HPCL) vide letter cited under reference (i) above, submitted proposal for approval of laying Visakh - Raipur underground product pipeline of 14" dia along with OFC crossing subject project at Km. 456+172 (Kantakapalle - Sabbavaram section of NH-130CD) and also informed following details:

- (i) The carrier pipe will be of 14" NB Carbon steel confirming to API-5L specifications
- (ii) Crossing shall be undertaken by Auger Boring (with 20" casing pipe up to 15 spec with OFC placed in the casing) or Horizontal Direction Drilling of 14" pipe (with separate 6" casing drill for OFC).

For Mr

- (iii) Top of the pipeline will be laid at least 1.2 meters below the lowest Natural ground level.
 - (iv) Necessary fee in this regard, if any, shall be remitted upon receipt of advice from your side.
 - (v) All works will be carried out as per the approved drawings.
 - (vi) During Execution of the work, all safety precaution will be ensured.
 - (vii) Location Area will be restored back to its original condition after execution.
 - (viii) All terms conditions mutually agreed with NH Department will be adhered while execution of the work.
- 1.2 The following documents/drawings were submitted by HPCL in its proposal:
- (i) MOU signed between NHAI & HPCL dt: 30.11.2022.
 - (ii) Power of Attorney and Undertakings.
 - (iii) Check List.
 - (iv) Construction Methodology.
 - (v) Pipeline Route Map.
 - (vi) Cross Section Drawing
- 2.1 Accordingly, this office vide letter cited under reference (ii) above, forwarded proposal to Independent Engineer, M/s. Dhruv Consultancy Services Limited in JV with Global Infra Solutions in associate with Kaius Consulting private Limited for their comments.
- 2.2 Concessionaire vide letter cited under reference (iii) above, submitted No Objection if the Authority allow for laying of HPCL pipeline crossing at Km. 456+172 respectively. Further, Concessionaire submitted if any damages occurred to executed work the same shall be rectified by the concerned agency at their own risk and cost.
- 2.3 Further, Independent Engineer vide letter cited under reference (iv) above, raised certain observations on the proposal and informed that grant of permission to lay 14" HPCL pipeline crossing may be considered after complying the observations and same were forwarded to HPCL vide this office letter cited at reference (v) above, for taking further necessary compliance of below mentioned observations.
- a. Width of the ROW available mentioned as 75m instead of 60m as per acquired land. Accordingly, Sl No. 1.5, 1.6 and 1.7 of furnished checklist has to be modified.
 - b. Number of existing lanes in Sl. No. 1.13 of Checklist mentioned as 2/4. However, subject project is 6 lanes highway. Hence, Sl. No. 1.13 has to be modified.
 - c. Methodology for laying of Petroleum product pipe line is mentioned as Auger boring / trenchless method / Horizontal Direction Drilling. However, Horizontal Direction Drilling (HDD) method was mentioned in Clause 3.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023. Hence, permission may be given to HPCL if it adopts **Horizontal Directional Drilling** Method for laying of gas /petroleum pipeline.
 - d. HPCL shall pay License Fee for Industrial Utilities equal to utilized NH area x prevailing circle rate of land per unit area x 10% per annum (upto maximum of 5 years) as per Clause 5.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023.

Patel 12

- e. NH land area = projection of casing pipe i.e. diameter of casing pipe (20") x ROW width i.e. 0.508mx60m = 30.48sqm
 Prevailing Circle Rate = Rs. 15,00,000/- per acre (wet land double crop category) i.e. Rs. 370.65/- per sqm.
 License Fee = 30.48x370.65x10% per annum = 1129.73/- per annum
 License Fee for 5 years = 5649/-.
 - f. As per para III 2 (c) of MoU signed between NHAI & HPCL signed on 30.11.2022, NHAI has to obtain Performance Security from HPCL before issuance of Permission for laying gas/petroleum pipeline along and across National Highways in National Highways Land (Right of Way) and as per Para 6 of MoRTH letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, an amount of Rs. 15,000/- (Rs. 250/running meter and 60m ROW) has to be obtained as Performance Security Bank Guarantee in the name of "RO-Vijayawada, NHAI" from HPCL with a validity of one year (extendable if required till satisfactory completion of work).
 - g. Para IV 2 (a) of MoU signed between NHAI & HPCL dated 30.11.2022, inter-alia mention that the depth of top most point of pipeline should be atleast 1.5m below ground level/bottom of any NH structure/facility. Whereas the proposal submitted by HPCL having 1.2m depth below the ground level. Whereas the proposal submitted by HPCL having 1.2m depth below the ground level. Hence, it is requested to have top most point of pipeline at least 1.5m depth below the ground level.
 - h. Work Programme shall be communicated well in advance to the Project Director, PIU-Vizianagaram, NHAI, with a copy to the IE & Concessionaire.
 - i. HPCL shall ensure the safety of workmen and commuters during execution of work.
- 3.1 Further, Hindustan Petroleum Corporation Limited (HPCL) vide letter cited under reference (vi) above,, submitted the Performance Bank Guarantee of ₹30,000/- (for both crossings at Km. 419+496 in Jakkuva -Korlam section of NH-130CD and at Km. 456+172 in Kantakapalle - Sabbavaram section of NH-130CD).
 - 3.2 Furthermore, HPCL vide letter cited under reference (vii) above, submitted revised checklist and further, vide letter cited under reference (viii) above, submitted demand draft (DD) for an amount of Rs. 9791.42/- towards License Fee (Rs. 4142.32/- for crossing at Km. 419+496 in Jakkuva -Korlam section of NH-130CD and Rs. 5649/- for crossing at Km. 456+172 in Kantakapalle - Sabbavaram section of NH-130CD), along with compliance documents including checklist, construction methodology, pipeline route map, and cross-section drawings.
 4. The point-wise compliance by HPCL to the observations raised by PIU-Vizianagaram is as under:

Power 12

S. No.	PIU-Vizianagaram observations vide para 2.3 above	Compliance of HPCL
(i)	Width of the ROW available mentioned as 75m instead of 60m as per acquired land. Accordingly, Sl No. 1.5, 1.6 and 1.7 of furnished checklist has to be modified.	Revised checklist has been submitted.
(ii)	Number of existing lanes in Sl. No. 1.13 of Checklist mentioned as 2/4. However, subject project is 6 lanes highway. Hence, Sl. No. 1.13 has to be modified.	Revised checklist has been submitted.
(iii)	Methodology for laying of Petroleum product pipe line is mentioned as Auger boring / trenchless method / Horizontal Direction Drilling. However, Horizontal Direction Drilling (HDD) method was mentioned in Clause 3.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023. Hence, permission may be given to HPCL if it adopts Horizontal Directional Drilling Method for laying of gas /petroleum pipeline.	Revised checklist has been submitted duly adopting Horizontal Directional Drilling method only.
(iv)	HPCL shall pay License Fee for Industrial Utilities equal to utilized NH area x prevailing circle rate of land per unit area x 10% per annum (upto maximum of 5 years) as per Clause 5.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023. NH land area = projection of casing pipe i.e. diameter of casing pipe (20") x ROW width i.e. 0.508mx60m = 30.48sqm Prevailing Circle Rate = Rs. 15,00,000/- per acre (wet land double crop category) i.e. Rs. 370.65/- per sqm. License Fee = 30.48x370.65x10% per annum = 1129.73/- per annum License Fee for 5 years = 5649/- Following are the bank account details: Name: NHAI PIU VIZIANAGARAM Bank: Canara Bank Account Number: 120026607297 IFSC Code: CNRB0013581 Branch: VIZIANAGARAM	HPCL vide letter no. 08 dated 25.08.2025, has submitted demand draft (DD) for an amount of Rs. 9791.42/- towards License Fee (Rs. 4142.32/- for crossing at Km. 419+496 in Jakkuva -Korlam section of NH-130CD and Rs. 5649/- for crossing at Km. 456+172 in Kantakapalle – Sabbavaram section of NH-130CD).
(v)	As per para III 2 (c) of MoU signed between NHAI & HPCL signed on 30.11.2022, NHAI has to obtain Performance Security from HPCL before issuance of Permission for laying gas/petroleum pipeline along and across National Highways in National Highways Land (Right of Way). As per Para 6 of MoRTH letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, an amount of Rs. 15,000/- (Rs. 250/running meter and 60m ROW) has to be obtained as Performance Security Bank Guarantee in the name of "RO-Vijayawada, NHAI" from HPCL with a validity of one year (extendable if required till satisfactory completion of	HPCL vide no. 01 dated 04.08.2025, submitted the Performance Bank Guarantee of ₹30,000/- (for both crossings at Km. 419+496 in Jakkuva -Korlam section of NH-130CD and at Km. 456+172 in Kantakapalle – Sabbavaram section of NH-130CD).

Praveen

S. No.	PIU-Vizianagaram observations vide para 2.3 above	Compliance of HPCL
	work).	
(vi)	Para IV 2 (a) of MoU signed between NHAI & HPCL dated 30.11.2022, inter-alia mention that the depth of top most point of pipeline should be atleast 1.5m below ground level/bottom of any NH structure/facility. Whereas the proposal submitted by HPCL having 1.2m depth below the ground level. Hence, it is requested to have top most point of pipeline at least 1.5m depth below the ground level.	HPCL vide email dated 03.09.2025, confirmed that HPCL will ensure by maintaining top most point of the pipeline at least 1.5m depth below the ground level in line with "Para IV 2 (a) of MoU signed between NHAI & HPCL dated 30.11.2022, inter-alia mentioned that the depth of top most point of pipeline should be at-least 1.5m below ground level/bottom of any NH structure/facility"
(vii)	Work Programme shall be communicated well in advance to the Project Director, PIU-Vizianagaram, NHAI, with a copy to the IE & Concessionaire.	Agreed to communicate work program well in advance with copy to IE & Concessionaire.
(viii)	HPCL shall ensure the safety of workmen and commuters during execution of work.	Agreed to ensure safety of workmen and commuters during execution of work.

5. Accordingly, the proposal was sent through to RO-Vijayawada vide Note#14 and Note#15 of efile no. 269923 (dated 18.09.2025) for approval of the following:

- (i) Approval of laying Visakh - Raipur underground product pipeline of 14'' dia along with OFC crossing in the subject project at Km. 456+172.
- (ii) Draft Agreement and authorization to sign the draft agreement for laying of Visakh - Raipur underground Petroleum pipeline in accordance with MoRTH letter dated 22.11.2016.

6. RO-Vijayawada vide Note#89 of efile no. 269923 (dated 25.09.2025) raised following observations:

- (i) PD has not enclosed inspection report and certificate.
- (ii) In Route Plan submitted, pipe line crossing chainage and also the distance of crossing the pipeline from the existing structures on the National Highways are not shown.
- (iii) The proposals are not received in MoRT&H NOC and Datalake Portals.
- (iv) Checklist and drawings duly signed by PD are not submitted.
- (v) Draft License deed is not enclosed.
- (vi) Calculation of license fee and performance bank guarantee shall be signed by PD and applicant.

For PD

7. Now, the compliance to the observations raised by RO-Vijayawada are as under:

Sl. No	Observations of RO-Vijayawada, NHAI	Compliance of PIU-VZM
(i)	PD has not enclosed inspection report and certificate.	The site has been inspected on 05.03.2025 with the representatives of HPCL, IE and Concessionaire. Accordingly, requested HPCL about para 2.3 (g) above. Photographs are attached.
(ii)	In Route Plan submitted, pipe line crossing chainage and also the distance of crossing the pipeline from the existing structures on the National Highways are not shown.	Attached.
(iii)	The proposals are not received in MoRT&H NOC and Datalake Portals.	Proposal was uploaded in MoRTH NOC Portal and PIU-VZM has initiated in Datalake Portal as well.
(iv)	Checklist and drawings duly signed by PD are not submitted.	Attached
(v)	Draft License deed is not enclosed.	Attached
(vi)	Calculation of license fee and performance bank guarantee shall be signed by PD and applicant	Attached

8. In view of the above, it is requested to accord for the following:

- (i) Approval of laying Visakh - Raipur underground product pipeline of 14'' dia along with OFC crossing in the subject project at Km. 456+172.
- (ii) Draft Agreement and authorization to sign the draft agreement for laying of Visakh - Raipur underground Petroleum pipeline in accordance with MoRTH letter dated 22.11.2016.

Encl: As above.

Yours faithfully,



(Rohit Kumar),
DGM (T)& Project Director,
PIU-Vizianagaram.

Copy to:

- (i) Shri. GL Naidu, email: glnaidu@hpcl.in M/s. Hindustan Petroleum Corporation Limited for information.
- (ii) The Independent Engineer, M/s. Dhruv Consultancy Services Limited JV with Global Infra solutions, Associate with Kaius Consulting PVT Limited.
- (iii) The Authorized Signatory, M/s. NKC KS expressway Private Limited for information.

Site Inspection Images at Km 456+172





Crossing of HPCL Visakh - Raipur underground product pipeline of 14" dia along with OFC crossing at Km. 456+172 [Village: Gulivindada, Mandal: Kottavalasa & District: Vizianagaram] in Kantakapalle - Sabbavaram section of NH-130CD (Package-4) under Raipur-Visakhapatnam Economic Corridor.

License Fee

License fee has been calculated as per clause of MoRTH letter as per clause MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023 which is as under:

- (i) Utilized NH land area is 30.48sqm [Diameter of casing pipe (20") x ROW width i.e. 0.508mx60m = 30.48sqm].
- (ii) Prevailing Circle Rate = Rs. 15,00,000/- per acre since the location falls under wet land double crop category [15,00,000/4047 = Rs. 370.65/- per sqm.]
- (iii) License Fee = 30.48x370.65x10% per annum = 1129.73/-per annum
License Fee for 5 years = 5649/-.

Performance Bank Guarantee

As per Clause III 2 (c) of MoU signed between NHAI & HPCL signed on 30.11.2022, NHAI has to obtain Performance Security from HPCL before issuance of Permission for laying gas/petroleum pipeline along and across National Highways in National Highways Land (Right of Way).

2. Further, As per Clause 6 of MoRTH letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 inter-alia mentioned as under:

" Performance Bank Guarantee for an amount based on per route metre with a validity of one year initially, in the prescribed format (extendable if required till satisfactory completion of work) shall have to be furnished by the utility service provider/ Licence, as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services& interference, interruption, disruption or failure caused thereof to any services etc.

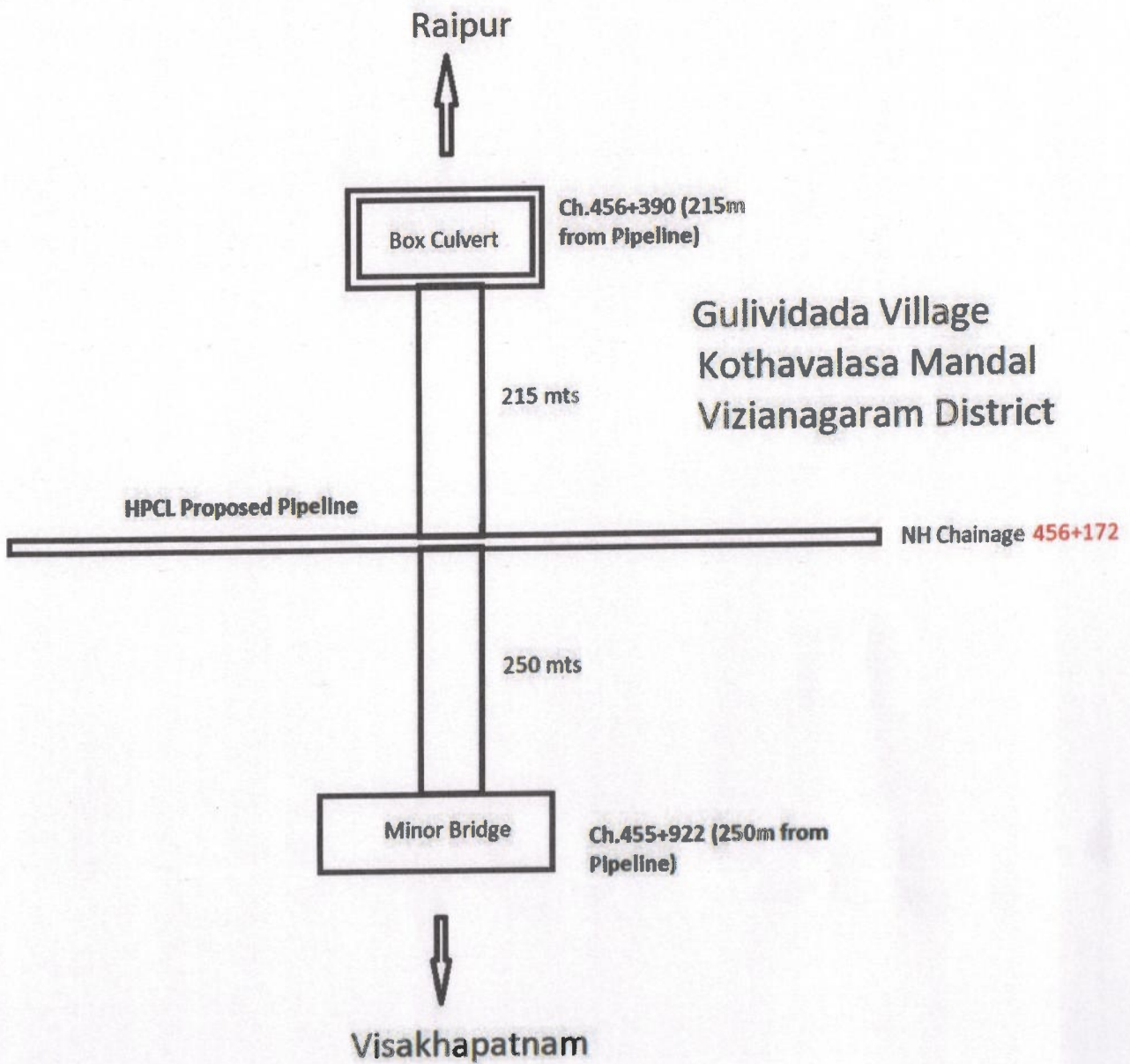
Utility services such as pipes etc (rate in per m).

Provided in the ducts already provided	Rs.50
≤ 300 mm dia/width	Rs. 100
>300 mm dia/width but ≤ 1000 mm	Rs. 250
>1000 mm	Rs. 500
Utility services such as towers etc (rate in Rs per sq m)	Rs. 100

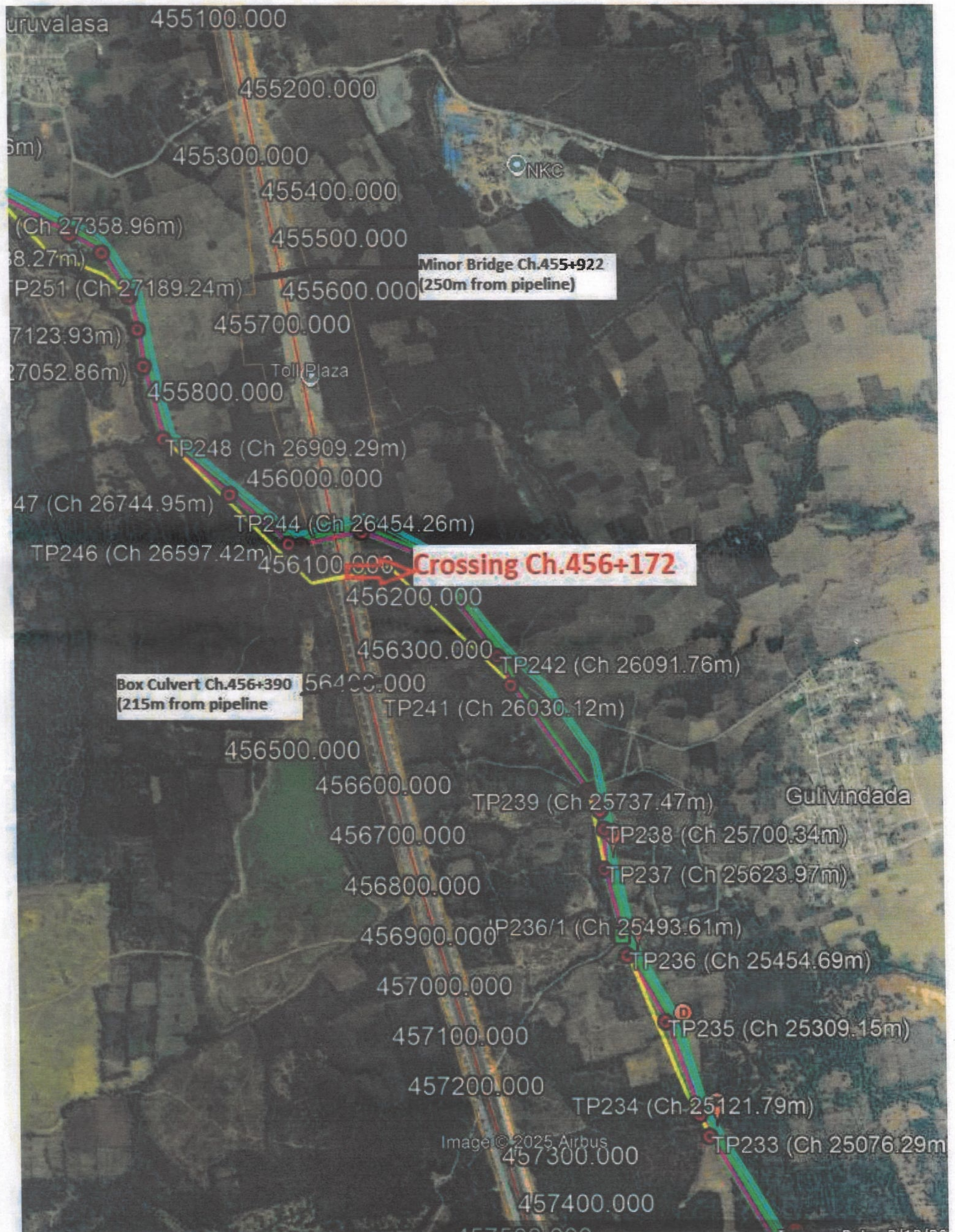
3. Diameter of Casing pipe is 20" (i.e 508mm) for which Rs. 250/- per meter is to submitted as performance security bank guarantee as per Clause 6 of MoRTH letter dated 22.11.2016. HPCL is utilizing 60m of ROW land at the crossing. Hence, an amount of Rs. 15,000/- (Rs. 250/running meter and 60m ROW) has to be obtained as Performance Security Bank Guarantee in the name of "RO-Vijayawada, NHAI" from HPCL with a validity of one year (extendable if required till satisfactory completion of work).


G.L. NAIDU
DGM-Projects
Hindustan Petroleum Corpn. Ltd.
Visakh Raipur Pipeline Project
43-29-54/1, 2nd Metro Chambers,
Akkayapalem, Visakhapatnam-530016.


परियोजना निदेशक
PROJECT DIRECTOR
(Rohit Kumar)
आ. डी. डी. & Project Director,
National Highway Authority of India
प. डी. डी. विजयनगरम/PIU-VIZIANAGARAM



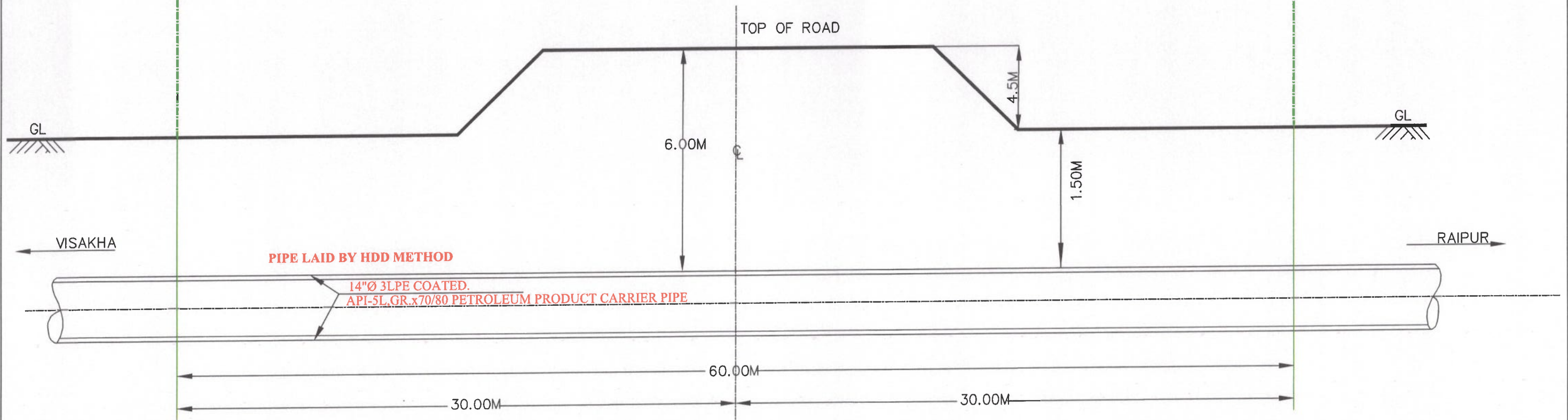
परियोजना निदेशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ. विजयनगरम/PIU-VIZIANAGARAM



N.H
Land Boundary

**CROSS SECTIONAL DRAWING OF NATIONAL HIGHWAY - 130CD
VISAKHAPATNAM -RAIPUR AT KM 456/172)**

N.H
Land Boundary



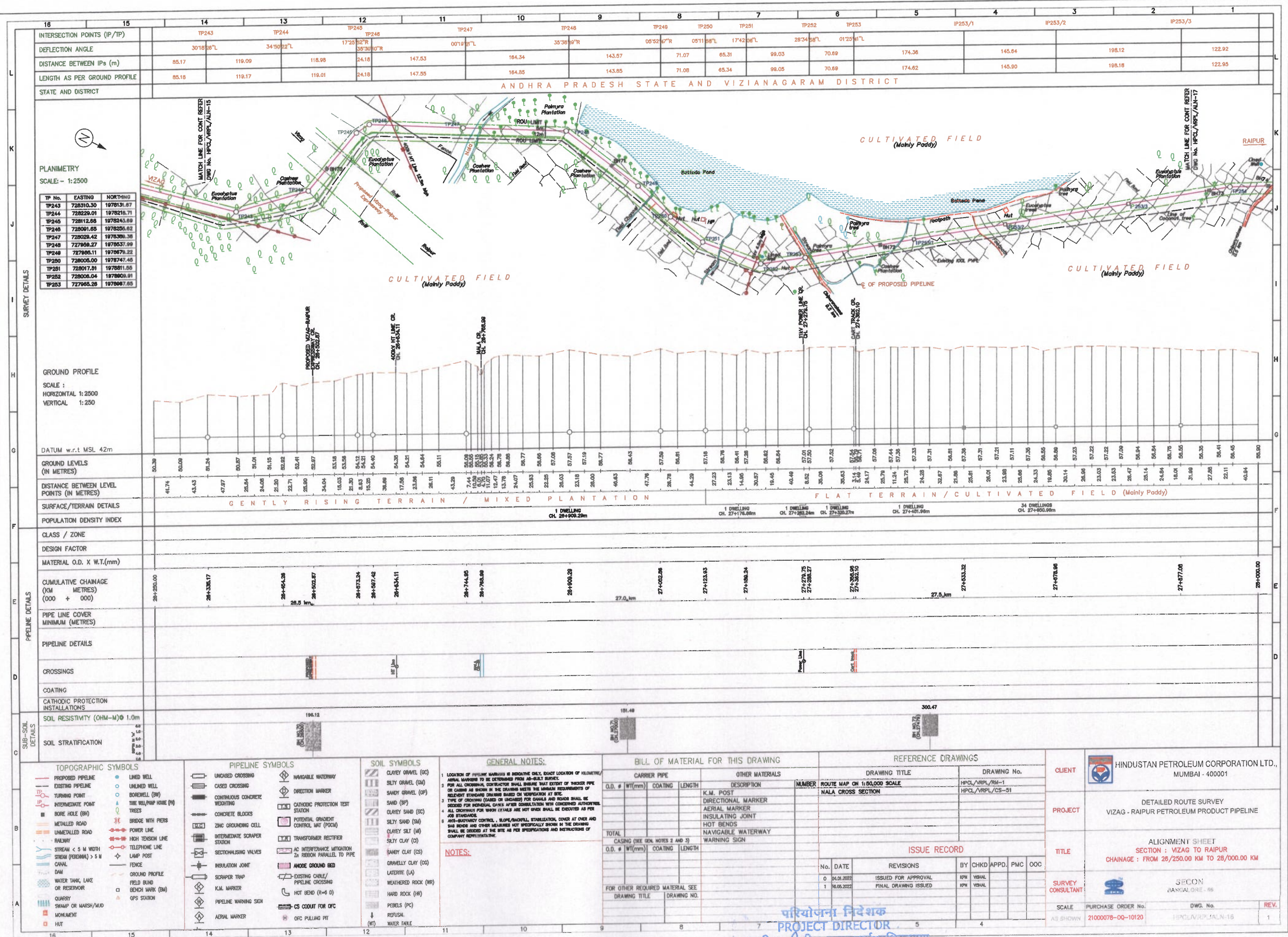
**CROSS SECTION DRAWING
NTS**

परियोजना निदेशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्रधिकारण
National Highways Authority of India
प.क.इ. विजयनगरम/PIU-VIZIANAGARAM



**HINDUSTAN PETROLEUM CORPN.LTD
VISAKHAPATNAM**

VISAKHA - RAIPUR PIPELINE PROJECT
SECTION :- ANDHRA PRADESH
NATIONAL HIGHWAY- 130CD CROSSING AT CH. 456/172 KM



88-4

HPCLCIN-L23201MH1952G0I008858



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार का उपक्रम) पंजिकृत कार्यालय : 17, जमशेदजी टाटा, मुंबई - 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISES) REGISTERED OFFICE: 17, JAMSHEDJI TATA ROAD, MUMBAI-400 020

HPCL/VZM/VRPL/AP/NHAI/2025/-06

Date: 28.01.2025

To,
Project Director,
National Highway Authority of India,
Project Implementation Unit,
Plot No. 149 & 150, Balaji Nagar,
KVR Estates, Gollalapeta Panchayat,
Vizianagaram.
Andhra Pradesh 535004

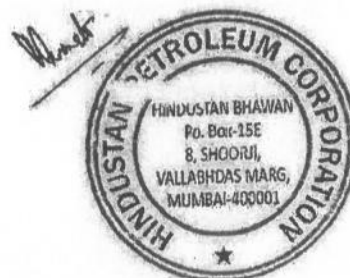
Subject: Request Permission for laying of HPCL's Visakh - Raipur Pipeline of 14" dia along with OFC (in 6" conduit) across National Highway-130CD (Visakhapatnam - Raipur) at Km 456/172, in Gulividada-179 Village of Vizianagaram District.

Reference: MOU signed between NHAI & HPCL dt: 30.11.2022 laying down obligations in case of crossing for expediting the permissions.

Dear Sir,

Hindustan Petroleum Corporation Limited (HPCL) is one of the major Central Public Sector "Maharatna" Oil Companies engaged in refining, Marketing & distribution of Petroleum Products in India with two refineries at Mumbai & Vishakhapatnam, over 5132 Km cross country petroleum products pipeline network and various marketing infrastructures in the country.

The Proposed Visakh - Raipur underground Product Pipeline of 14" dia along with OFC will be crossing NH-130CD at NH Chainage 456/172Km under your jurisdiction in Vizianagaram District.



Underground Product Pipeline will be laid as per the following details.

1. The carrier pipe will be of 14" NB Carbon steel confirming to API-5L specifications
2. Crossing shall be undertaken by Auger Boring (with 20" casing pipe up to IS spec with OFC placed in the casing) or Horizontal Direction Drilling of 14" pipe (with separate 6" casing drill for OFC).
3. Top of the pipeline will be laid at least 1.2 meters below the lowest Natural ground level.
4. Necessary fee in this regard, if any, shall be remitted upon receipt of advice from your side.
5. All works will be carried out as per the approved drawings.
6. During Execution of the work, all safety precaution will be ensured.
7. Location Area will be restored back to its original condition after execution.
8. All terms conditions mutually agreed with NH Department will be adhered while execution of the work.

The following Documents/Drawings are enclosed herewith for ready reference.

1. MOU signed between NHAI & HPCL dt: 30.11.2022.
2. Power of Attorney and Undertakings.
3. Check List.
4. Construction Methodology.
5. Pipeline Route Map.
6. Cross Section Drawing

The project is of National importance and the pipeline is being laid for meeting the overgrowing demand of petroleum products in the country.

We wish to submit, that the project is time bound with stiff completion target and hence request your approval on priority as per the respective obligations as laid down in the MOU for expediting the permissions.

Thanking you,

Very truly yours,


Vishwanath Vanchi,
Chief General Manager -Pipeline Projects
Hindustan Petroleum Corporation Limited.



Encl: As stated above



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)



BHARATMALA
ROAD TO PROSPERITY

परियोजना निदेशक कार्यालय, परियोजना कार्यालय इकाई - विजयनगरम
प्लॉट नंबर 149 & 150, बालाजीनगर, केविर एस्टेट्स, गोल्लापेट पंचायत, विजयनगरम - 535 004, ए.पि., भारत
OFFICE OF THE PROJECT DIRECTOR, PROJECT IMPLEMENTATION UNIT - VIZIANAGARAM
Plot No. 149 & 150, Balaji Nagar, KVR Estates, Gollalapeta Panchayat, Vizianagaram - 535 004, A.P., India
Ph : 08922-294677, ई-मेल/ E-mail : piuvizianagaram@nhai.org, nhapiuvzm@gmail.com, वेब : www.nhai.gov.in

No: NHAI/PIU-VZM/PKG-4/HPCL /2024-25/4896
To:

18th February, 2025

The Authorized Signatory,
M/s. Dhruv Consultancy Services Limited JV with Global Infrasolutions,
Associate with Kaius Consulting PVT Limited,
Ground Floor, RaajinnaNilayam,
Mangalpalem junction (Post),
Kothavalasa Mandal,
Vizianagaram District,

Sub: NHAI, PIU-Vizianagaram Development of Six Lane of Kantakapalle - Sabbavaram Section of NH-130CD Road from Km. 445+100 to Km. 464+662 under Raipur- Visakhapatnam Economics Corridor in the State of Andhra Pradesh on Hybrid Annuity Mode [Package-4 (A.P)] - Comments requested on proposed HPCL pipeline - Reg.

Ref: HPCL letter no. HPCL/VZM/VRPL/AP/NHAI/2025/-06 dated 28.01.2025.

Sir,

Please refer letter cited under reference above, vide which Hindustan Petroleum Corporation Limited (HPCL) has submitted details pertaining to proposed Visakh-Raipur underground product pipeline of 14" dia along with OFC which is crossing the subject project at Km. 456+172. The details pertaining to the HPCL pipeline are enclosed herewith.

2. In view of the above, it is requested to verify the proposal as per site conditions and submit your comments at the earliest for taking further necessary action.

Encl: As above.

Yours faithfully,

(Rohit Kumar)

DGM (T)& Project Director
PIU-Vizianagaram

Copy to: The Authorized Signatory, M/s NKC KS Expressway Private Limited for information.

Details of Crossing NH-130CD

Visakh — Raipur Pipeline Project (VRPL)

Sl No.	Description	Pipeline Chainage (Km)	NH Chainage	Pipeline Location	Latitude / Longitude		Village	Taluk	District	Remarks
1	Proposed National Highway-130CD (Visakhapatnam - Raipur)	26.420	456/172	TP244-TP245	83° 9' 12.07" E	17° 52' 45.67" N	Gulividadala-179	Kottavalasa	Vizianagaram	Crossing the proposed NH-130CD

Very truly yours,

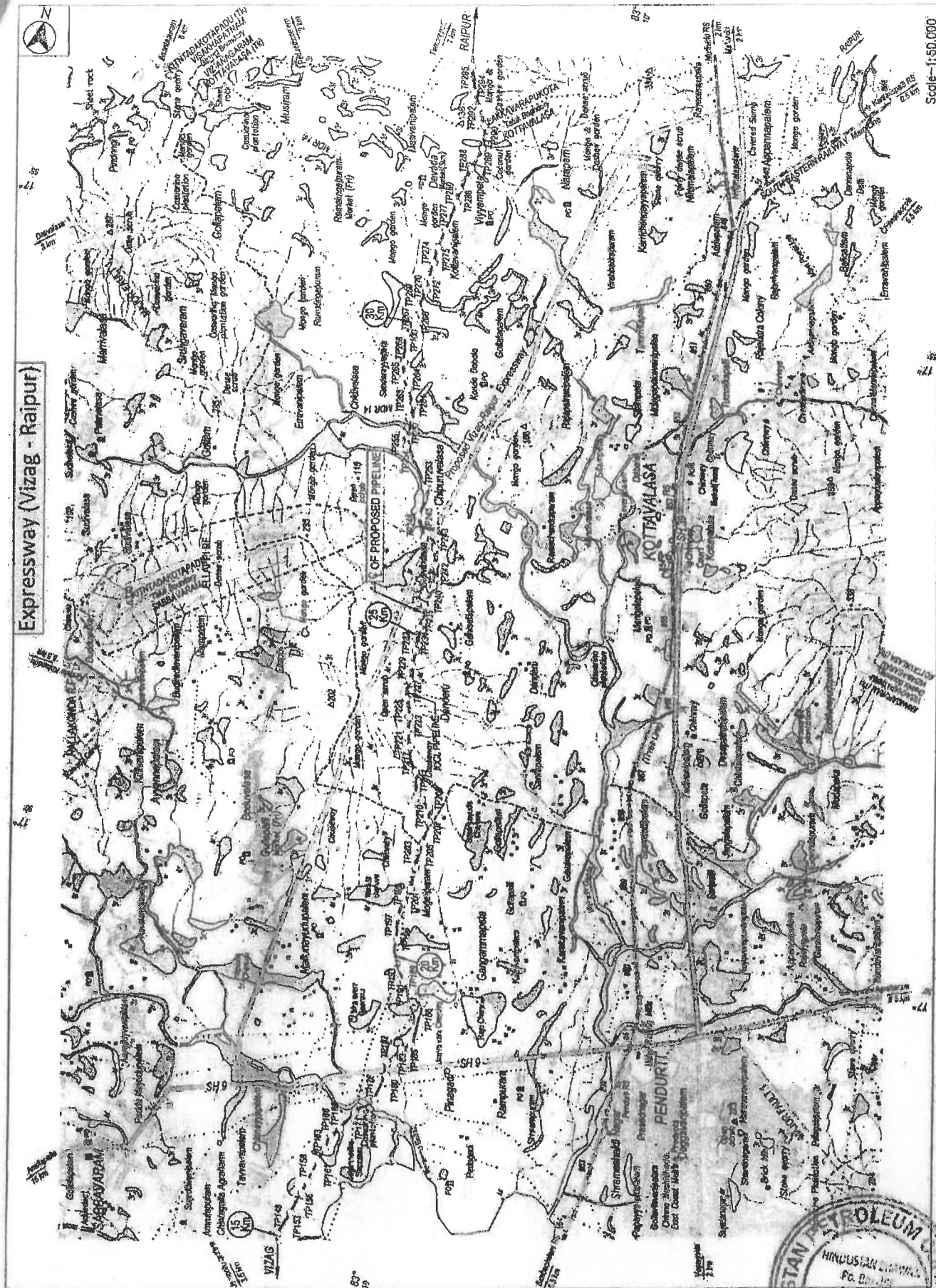


Vishwanath Vanchi.

Chief General Manager - Pipeline Projects
Hindustan Petroleum Corporation Limited.

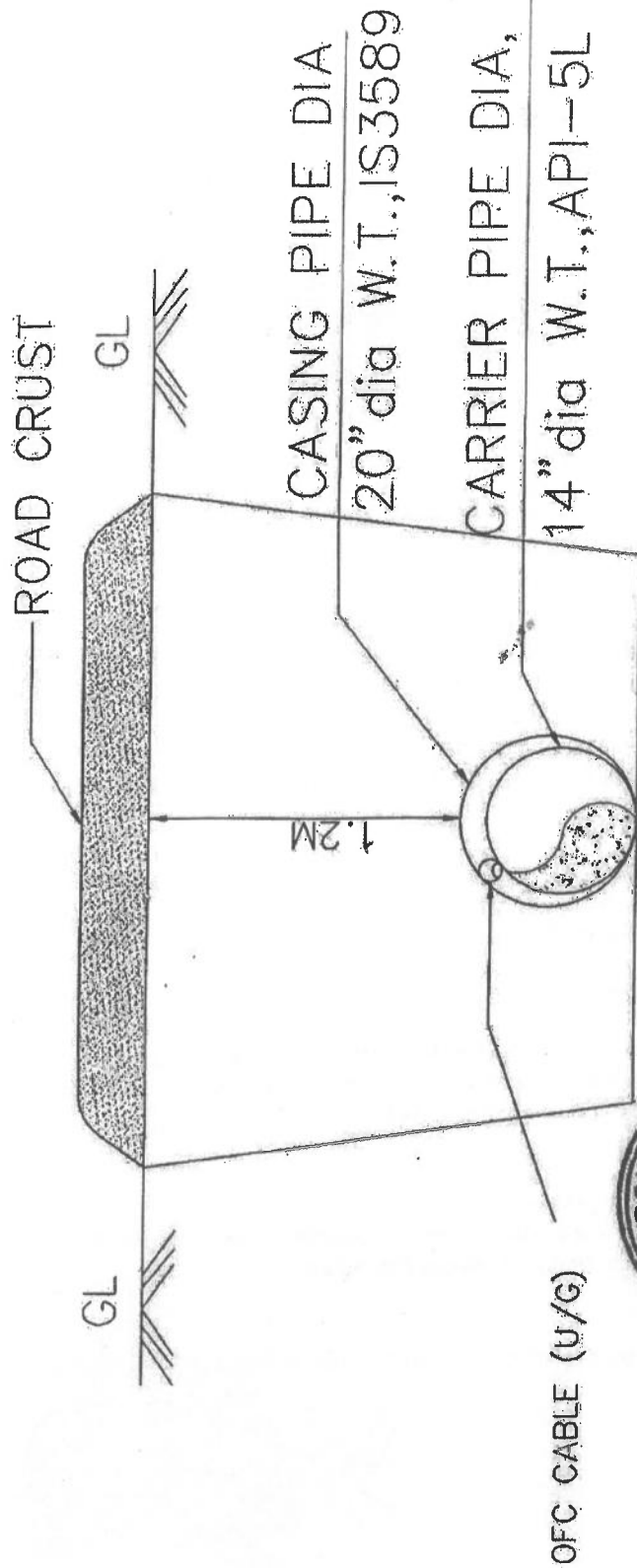


Expressway (Vizag - Raipur)



Scale-1:50,000

METHODOLOGY OF CROSSING



[Signature]

CLIENT	INDUSTAN PETROLEUM CORPN. LTD VISHAKHAPATNAM
VISHAKHAPUR PIPELINE PROJECT NH-16 (PORT ROAD) CROSSING AT CH. 6/770 KM SECTION - ANDHRA PRADESH	

Notes:

1. Vent pipes would be placed at the edge of the ROU on the casing pipes.
2. Warning board also would be placed at the edge.
3. TLP boxes for checking CP system of pipe would be placed at the edge.
4. In case of HDD, carrier pipe will be laid without casing, at a depth of 7 m from GL with separate 6" casing pipe drill, 4 m away, for OFC.

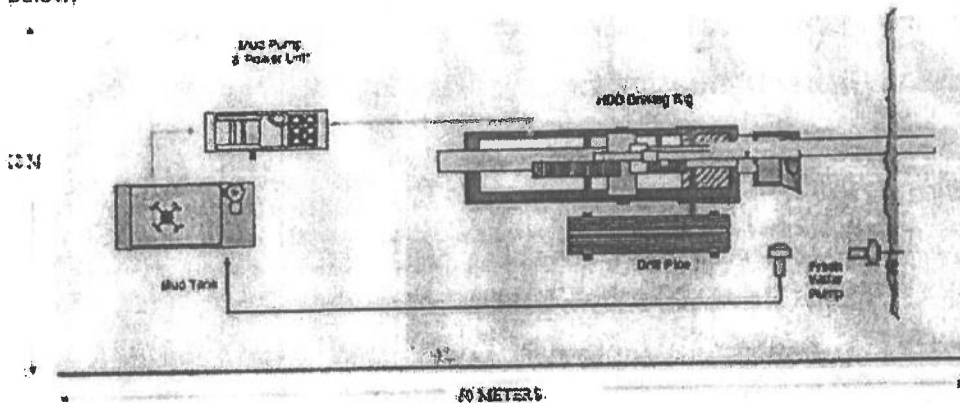
METHODOLOGY OF HDD

ROU Preparation and Grading

The ROU at the vicinity of the entry point and exit point shall be graded as per submitted and approved grading procedure and instruction of site in-charge.

Equipment Layout

The HDD equipment layout at the rig side shall be laid out as per the sketch as Depicted in fig. below,



Stringing of line pipes and welding of pipe string

Pipes of grade and thickness as indicated in the drawings of the individual crossings / approved design shall be strung on sand bags in such a way so as to match the grade profile. The string shall end at the anticipated exit point of pilot hole drill rod. The requisite numbers of pipes shall be string as per approved stringing procedure. No damaged pipes shall be strung, the pipe shall be strung and welded in the same line as the drilled hole from entry side to exit side. A minimum length of appropriate length shall be kept in the line of bore after which the pipe may be laid in a smooth radius

Joint welding including necessary beveling, grinding and line up etc., shall be carried as per approved approved welding procedure. Nondestructive testing shall be carried by Radiography as per as applicable codes and approved procedure.

Pre-Installation Hydrostatic Testing

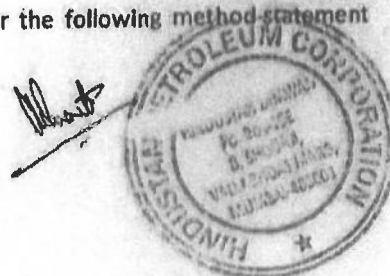
After clearance of all the weld joints of the drill string, the drill string shall be subjected to a pre-installation hydro testing. The pre hydrostatic test shall be Done as per approved procedure. The maximum test pressure of the pre-Installation hydro test shall be 1.25 X Design pressure

Joint coating & corrosion coating repair

After acceptance of pre- hydro test & after water is completely drawn out, the girth weld joints shall be coated as per approved joint coating procedure.

Drilling Operations

The drilling operations shall be carried out as per the following method statement



Location of entry point, exit point, bending radius, proposed alignment of drill path for main pipeline and conduit for optical fiber cable (if applicable)

Entry side Location

At the entry point, a steel frame footing or 'Dead Man' will be buried to which the drill rig will be secured onto. This will prevent any movement of the drill rig during the drilling operations.

Exit Location Site

The exit location provides adequate pipe string lay down space for the proposer river crossings.

Walkover Guidance System

The walkover system consists of three main components:

- a. Transmitter (Sonde)
- b. Receiver (The Walkover Unit)
- c. Remote (Drillers Remote)

Transmitter

There are different types of transmitters depending on the drilling needs, it can track up to 18 meters' depth. The transmitters are placed inside the drill head assembly ahead of the lead pipe or the first drill pipe with a bent sub. The best thing about these transmitters is that since these are battery operated, there is no need to attach wire to power it up. These work on remote signal principle which is picked up by the trekker carrying the receiver over the drill head position. Normal life of the battery is 40 hours of continuous drilling or 400 hours of sleep time, which is sufficient in most cases of boring.

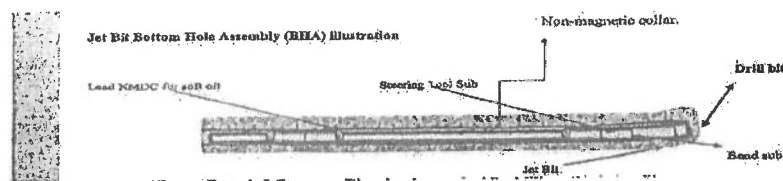
Receiver

This is the walkover unit that picks up the signals from the drill head, boring under the road or canal. The man holding the receiver is called trekker, thus tracking the movement of the drill pipe in real time and marking on the ground. The signal gets continuously picked every two seconds, including the depth, the pitch (angle of drill head) and the roll (direction it is headed).

Remote

Driller's remote stays on with the driller, which helps him in guiding the drill path. Remote gives the same information to the driller, as it does to trekker. Driller's remote is however a passive unit, unlike the receiver, which actually locates the drill head under the earth. The tracker shall continuously monitor the progress of the drilled hole by following the path drilled and locating the drill head assembly in real time. He shall note the depth readings every 4.5 meters and guide the driller if there is any deviation to the proposed drill path. For tracking in the canal, if the water level is more than 4 feet, a boat will be used which shall be pulled along the drill path with the help of a rope tied on either side of the bank.

Bottom Hole Assembly (BHA)



Pilot Hole Drilling

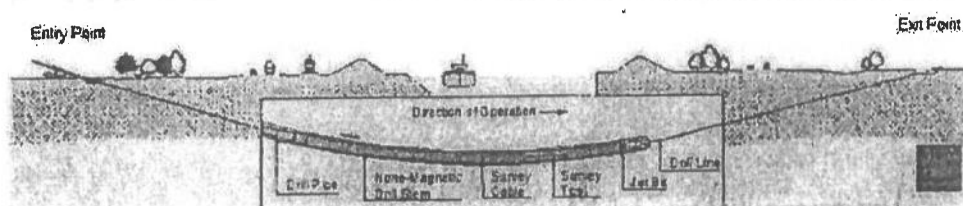


Figure 2: Pilot Hole Drilling

Once the guide system is decided Pilot hole drilling shall be done as per approved profile drawings and the heading is established on the crossing's alignment; the drilling rig is set precisely on line with a transit. The non-magnetic 'lead collar' (with steering probe) and the directional deviation tool are started exactly at the designated entry point. In most cases, two-magnetic drill collars are used behind the BHA. A combination of up to three non-magnetic collars serve as a buffer between the steering probe (in the 'lead collar') and the steel drill pipe. Drill pipe is often highly magnetized due to the continual making up and breaking out the tool joint connections.

The pilot hole is advance linearly along a pre-determined profile path. Directional deviation in azimuth and inclination will be made accordingly to stay on the pre-determined radius.

A Surveys reading is taken at the end of each drill pipe and the details logged on to the pilot hole record sheet throughout the entire distance of the pilot hole. These surveys are calculated and then plotted on a work profile and plan drawing. This allows the survey technician and the company representative to track vertical depth, horizontal distance and right/left-bearing drift at all times during the project. Additionally, all survey inclinations and bearing numbers are given every 5 seconds while drilling one 15 feet section of drill pipe based on the (BHA) arrangement for the crossings.

In order to directionally deviate the hole HDD subcontractor will employ the use of a bent sub. When the bent sub is rotated to a particular quadrant, the whole will be redirected in that direction.

As each piece of drill pipe (DP) is advanced, the next DP is being fitted with a 12-gauge wire inside. This wire is attached to the corresponding wire of the DP previously drilled. This internal

wire is the vehicle used for the signal to be sent from the steering probe located in the BHA to the surface computer.

In case of walkover system, we need not add nonmagnetic drill collar or wire as the snode in the walkover system is nonmagnetic. This process is repeated until the bit is advanced along the predetermined path and exits the exit location. A regular recording of the progression of the pilot hole drill pipes shall be maintained at site.

Removal of Drill String for Reaming Operations

The hole opener is then attached to the leading pipe to start ream operation: (Hole opener for rock is different from whole openers of soft soil).

Reaming

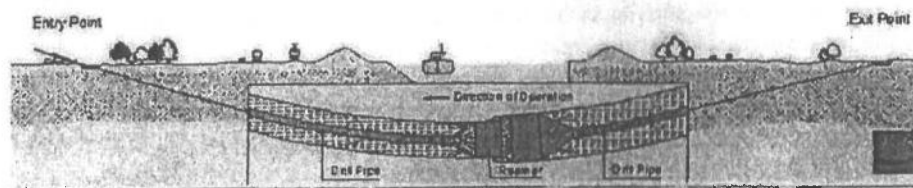


Figure 3: Reaming of Drill Hole

Once the lead pieces are taken off, a suitable barrel reamer will be attached to the trailing end of the drill string at the surface exit location. The reaming shall be done in 3 stages i.e. suitably before reaching to final hole diameter of the hole that shall be 1.5 Times of Pipe Dia or as per the soil strata/site parameters, or as per mentioned in the approval profile of crossing. This will then be rotated by the rig and advanced in to the borehole. A section of drill pipe will then be added consecutively to the trailing end of the reamer as the reamer is being rotated and drawn along the borehole in the direction of the rig side location. The reamer will then be rotated by the rig and advanced in to the borehole. A section of drill pipe will then be added consecutively to the trailing end of the reamer as the reamer is being rotated and drawn along the borehole in the direction of the rig location. A regular recording of the progression of the reamer, the reaming log shall be maintained.

Swab pass

While pulling the reamer back to the shore if the driller or the HDD engineer feels that the hole is not conditioned or if there is a collapse of the hole, additional swab passes shall be made. High yield betonies with quick gelling characteristics shall be used to preserve the integrity of the borehole during the swab pass. Pulling will be done within 12 hours from swab pass.

Pipe String Preparation

The pipe shall be strung and welded in the same line as the drilled hole from entry side to exit side. A minimum length of 100 meters shall be kept in the line of bore after which the pipe may be laid in a smooth radius of 600 meter plus. Pre and post gauging should be done for pipes.

Product Pipe Attachment

A pull head swivel assembly shall be provided by HDD contractor and shall be pre welded to the product pipe string, which will be on the trench. The pilot swivel shall then be removed from the

trailing end of the drill string and the drill string shall be attached to the pullback assembly attached to the leading end of the product pipe.

Pipe Pull Back and Installation

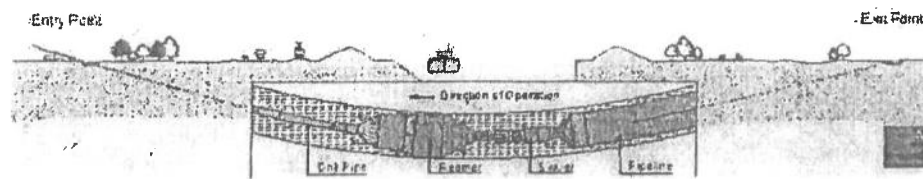


Figure 4: Pull Back Operations

Once the reaming and swab passes are completed, the drill pipe shall be picked up and placed on the rolling cradles with the help of lifting apparatus (Excavator or side boom). The pipeline shall be positioned perfectly in line with the bore hole. An exit angle of approximately $80 - 100^\circ$ as per approved profile will have been established allowing the product pipe to gently free stress in to the borehole at the exit location.

Once aligned, the pulling apparatus will then be attached to the leading end of the drill pipe string and the product pipes will be fed gently in to the bore hole. Since the diameter of the pipe is not very large, the pipe will be slightly buoyant.

Pullback will continue until the leading end of the product pipe reaches the surface entry location and is expected to take approximately 80 – 100 meter/hour. It is worthwhile to note that while the pipe is being pulled in the hole, the product pipe rotates very slowly in the direction opposite to the rotation of the leading reamer. The rate of rotation depends on the reamer rpm and friction in the hole.

As the pipe string is being pulled in to the open borehole, drilling fluid is pumped through the rotating jet swivel. This aids in the further suspension of the drilled solids that may be in the hole. These solids are removed by the viscosity of the fluid coming out when the pipe displaces the drilling fluids in the open hole.

Regular recording of the progression of the pulling process, the pulling log shall be maintained at site.

Post Hydrostatic Test

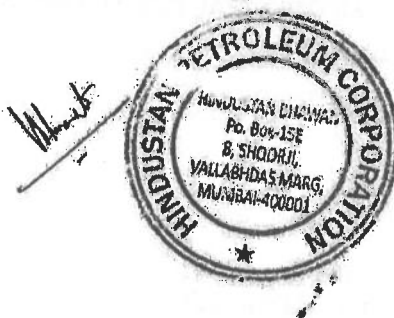
The pulled pipe line string shall be hydrostatic tested for at a pressure 1.25 times the design pressure.

Hindustan Petroleum Corporation Limited
(A Government of India Undertaking)

VISAKH - RAIPUR PIPELINE PROJECT

CONSTRUCTION METHODOLOGY

**For laying underground pipeline across
Railway / NH / Canal
By Horizontal Boring Method**



CLAUSE NO.	DESCRIPTION
1.0	PURPOSE
2.0	PREPARATION OF BORING PIT AND RECEIVING PIT
2.1	CASING PIPE PREPARATION
2.2	CARRIER PIPE PREPARATION
3.0	EQUIPMENTS
4.0	BORING INSTALLATION
5.0	INSTALLATION OF VENT / DRAIN ASSEMBLY
6.0	CARRIER PIPE INSERTION
7.0	COMPACTION, FINAL CLEAN UP AND RESTORATION
8.0	PROVISIONS FOR TRAFFIC MANAGEMENT DURING CONSTRUCTION

1.0 PURPOSE

The Horizontal Boring methodology is adopted for laying underground pipeline across Utility Crossings where open cut is not feasible. Utility Crossings may be Railway lines, National Highways, State Highways (With large traffic Volumes) and Major Canals. The boring machine drills a hole under the Utility to allow insertion of the pipe. Casing pipe is first installed in the hole and the carrier pipe is inserted inside the casing pipe. The casing pipe increases the safety of the carrier pipe by shielding it from load stresses. The benefit of the Horizontal Boring Method is that it allows installation of the pipeline without disrupting the existing system.

The work shall include – Preparation of Boring pit, Casing pipe installation, Carrier pipe insertion, Restoration of land.

2.0 PREPARATION OF BORING AND RECEIVING PIT

2.0.1 The horizontal boring will commence from outside the ROW (Right of Way). Prior to start of work, area for installation of boring equipment shall be cleared and boring line shall be marked.

2.0.2 Boring and Receiving pit (minimum of 6M X 2.5M X 3M) shall be excavated to the required depth and width to facilitate smooth boring operation. Sufficient side slopes shall be maintained to avoid collapse / sliding. Bottom of trench or pit at the launching and receiving ends shall be properly graded.

2.0.3 During the execution of boring, the ground water table over the length of boring shall be lower by up to at least 0.5m below bottom of pipeline, to the safeguard the stability of boring pit. The casing pipe shall be extended a minimum of 600 mm beyond the toe of the slope or base grade or 90 mm beyond the bottom of the drainage ditch whichever is greater.

2.1.0 CASING PIPE PREPARATION

2.1.1 Visual checking of casing pipe shall be made in order to check out of roundness and to ensure that no dents are present. If any defects are noticed, these may be rectified / removed.

2.1.2 The outside surface of the casing pipe shall be coated with coal tar primer before installation if required.

2.1.3. Welding of casing pipes will be made in the trench bell hole after first length is thrust into crossing in accordance to API 5L.

2.2 CARRIER PIPE PREPARATION

2.2.1 Carrier Pipes shall be welded to the required length of crossing. All joints shall be 100% radio graphed and tested.

2.2.2 After NDT clearance the carrier pipe section shall be pre-tested to the specified pressure. The pressure shall be retained in pipe for minimum period of 02 hours.

2.2.3 After completion of pre testing pipe joint shall be coated. Holiday Detector checks for any coating damage shall be under taken for pipe section. Any damage to coating should be repaired as per approved procedure.

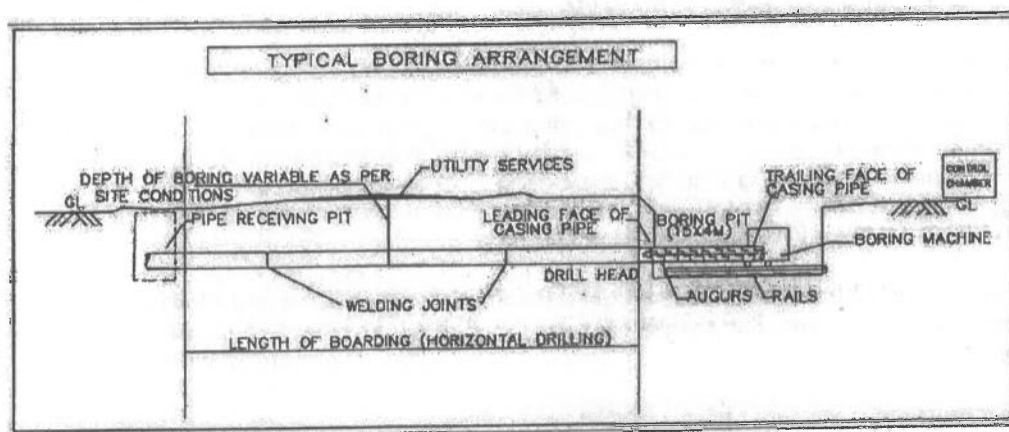
The carrier pipeline and casing would be of carbon steel conforming to API 5 L based on the final design.

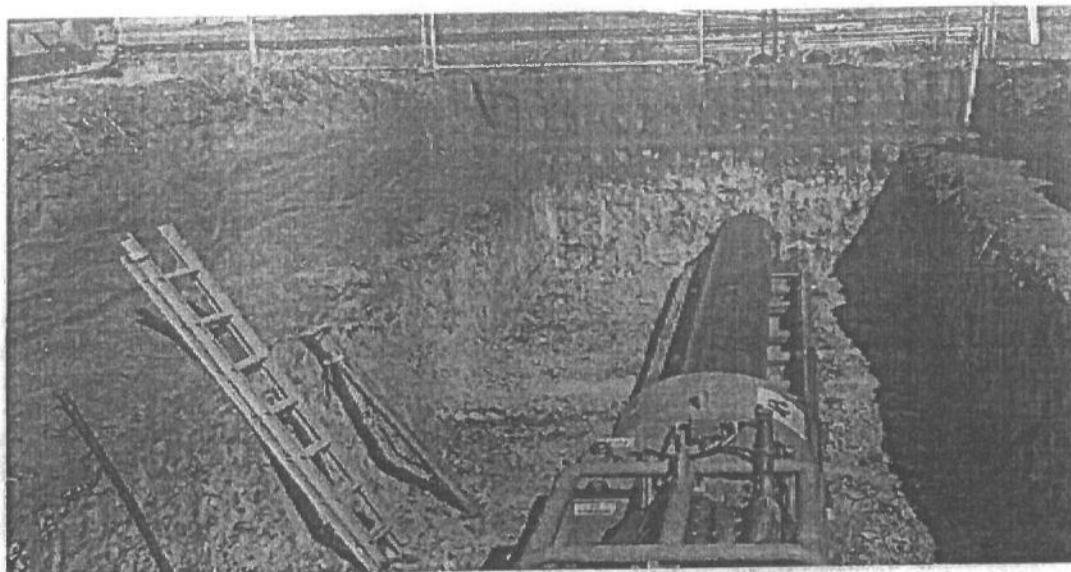
3.0 EQUIPMENT

- a. Boring M/c
- b. Side Boom
- c. Backhoe
- d. Auger
- e. Header
- f. Sprit Level

4.0 BORING INSTALLATION

It is proposed to lay underground finished petroleum product pipeline by Horizontal Boring method through casing pipe shall as per the below typical cross-sectional plan.





4.1 After leveling of the ground the rails for the machine shall be fixed in the pit and then the Boring Machine shall be lowered & alignment shall be done. The machine shall be traversed on the rails to & fro several times and the alignment shall be checked & rectified, if required.

4.2 Boring shall be carried out at low speed initially and after inspecting the soil which is cut by the auger the speed shall be increased or decreased. Insertion of casing pipe and auger shall be carried out simultaneously so that at no point of time gap between bored hole and casing pipe exists, eliminating any chance of collapse while boring. The diameter of the hole bored shall be as practicable to the outer diameter of the casing pipe. Level shall be checked at both end of the casing pipe to confirm the slope as per approved drawing.

4.3 For Welding of casing pipes, only normal visual checks shall be carried out & Internal High or Low is not allowed. Care shall be taken to ensure that the lead auger remains in the front, which facilitates easy insertion of the casing pipe.

4.4. After insertion of the first pipe, the pipe and the auger are disengaged from the boring machine. The second pipe is placed in position and the auger of the first and the second pipe are firmly connected. Then both the casing pipes are aligned and welded together. The auger and the casing pipe are again coupled to the boring machine and the boring operation is repeated till the casing pipe is installed and casing pipe exists in the receiving pit on the other side of the crossing. Calculations are made before and during to maintain the alignment necessary to guide casing under the crossing.

4.5. After completion of casing pipe insertion, the machine is de-coupled and taken out. The augers are pulled back and the casing pipe is then thoroughly cleaned to remove any moisture and debris.

5.0 INSTALLATION OF VENT / DRAIN ASSEMBLY

5.1 The installation of vent pipe shall be carried out by direct insertion and welding to the end of the casing pipe before introducing the carrier pipe.

5.2 While welding of vent pipe, internal high / low is not allowed. Welding of vent pipe need not be radio graphed and only visual checks can be carried out.

5.3 The operation of assembling and insertion of the vent pipe shall be carried out in such a way that there is no contact with the carrier pipe.

5.4 The painting of the vent pipes shall be carried out before back filling as per the relevant specification.

6.0 CARRIER PIPE INSERTION

6.1 Before insertion of carrier pipe the completed casing pipe shall be carefully inspected and internally cleaned to remove soil, mud, stones and other foreign materials.

6.2 Specified casing insulator shall be wrapped and securely fastened around the carrier pipe as per approved procedure.

6.3 Care shall be taken in pushing or pulling carrier pipe into the casing so that the pipe is centered in the casing or pulling force is evenly and constantly applied and causes no damage to coating of carrier pipe.

6.4 After insertion of carrier pipe, an electric continuity check shall be carried out between the carrier pipe and casing pipe and soil.

6.5 Casing ends seals shall be provided at both the ends of the casing for sealing the annular space between casing pipe and carrier pipe so as to prevent ingress of moisture / Water.

6.6 After positioning and fixing of the end seals these shall be holiday tested prior to backfilling and compaction.

7.0 COMPLETION, FINAL CLEAN - UP AND RESTORATION

After installation of Casing & Casing pipe and completion of tie in with the mainline section, the boring and receiving pit shall be backfilled to the satisfaction of the concerned authorities. The backfilling in launching and receiving pits shall be completed in stages of 150mm layer to 90% modified proctor density, using mechanical compactors. Utmost care must be taken to ensure that the backfill density is in no case lesser than those of surrounding in order to eliminate any shifting of soil under pressure, if required the pits shall be dewatered before back filling and compaction. The complete area shall be cleared up of all scattered materials.

8.0 PROVISIONS FOR TRAFFIC MANAGEMENT DURING CONSTRUCTION

The Machinery & Excavation for boring pit and receiving pits shall be placed outside the Right of Way of Utility and the pipeline laying process shall satisfy all the requisite Indian / International regulatory standards and shall in no way interfere with the existing system.

NKC KS EXPRESSWAY PRIVATE LIMITED

NKC/KS/PLNG/RV/AP-04/2024-25/1467

Date: 07-03-2025

To,
The Project Director,
National Highways Authority of India,
Project Implementation Unit,
Vizianagaram-Distt, AP.

Project: Development of Six Lane Kantakapalle – Sabbavaram Section of NH-130-CD Road from km 445+100 to km 464+662 under Raipur-Visakhapatnam Economics Corridor in the state of Andhra Pradesh on Hybrid Annuity Mode (AP-4)- **Consent for Hindustan Petroleum Corporation Limited (HPCL) Pipeline Crossing at Km 456+172- Reg.**

Ref.:

1. Authority's Letter No- NHAI/PIU-VZM /PKG-4/HPCL/2024-25/4896 Date- 18th feb 2025.

Dear Sir,

With reference to the subject and Authority's letter (Ref. 1), we have been instructed to provide consent for the proposed Hindustan Petroleum Corporation Limited (HPCL) pipeline, which includes a 14" diameter underground product pipeline and Optical Fibre Cable (OFC) crossing the subject project at Km 456+172, as part of the Visakh-Raipur Pipeline Project.

In this regard, we would like to inform you that the Concessionaire has no objection to the Authority permitting the HPCL pipeline crossing at Km. 456+172, along with the Optical Fibre Cable, in the subject project at the aforementioned location.

Furthermore, we would like to clarify that, in the event of any damage to the executed works, the Concerned Agency shall be responsible for rectifying the same at their own risk and cost.

Thanking you and assuring of our best services at all times.

Yours faithfully,
For NKCS Expressway Pvt. Ltd,


Sanjay Kumar
(Authorized Signatory)

Copy to:

- 1) M/S Dhruv Consultancy Services Limited 501, Plot No 67 Puljit Plaza Opp K Star Hotel Sector 11 C.B.D Belapur Navi Mumbai-400614



Dhruv Consultancy Services Limited
Joint Venture with Global Infra
Solutions Associate with Kaius
Consulting Pvt. Ltd.



Office of the Team leader; Ground Floor, Rajanna Nilayam, Mangalpalem Junction, (Post), Kothavalasa
Mandal, Dist.- Vizianagaram, Andhra Pradesh 535183.

Ref No: IE/TL/Raipur-Visakhapatnam-PKG-IV/2023-24/1038

Date:19.02.2025

To:

**The Project Director,
National Highways Authority of India,
Project Implementation Unit-Vizianagaram,
Plot No. 149&150, Balaji Nagar, KVR Estates,
Gollalapeta, Panchayat, Vizianagaram,
Andhra Pradesh-535004.**

Subject: Consultancy services for supervision of Development of six lane from Kantakapalle to Sabbavaram (from km 445+100 to 464+660) section NH-130CD road under Raipur -Visakhapatnam economic corridor in the state of Andhra Pradesh (Pkg-04), India under Bharatmala pariyojana on hybrid Annuity mode:

Comments on proposed HPCL Pipeline at chainage Km 456+172- Reg

Ref: 1. NHAI/PIU-VZM/PKG-4/HPCL/2024-25/4896 on dated 18.02.2025

Dear sir,

With reference to the above subject matter, we are in receipt from your good office for proposal of HPCL Pipeline at chainage Km 456+172 accordingly we have inspected the location and the following observations are made according to site conditions are given below: -

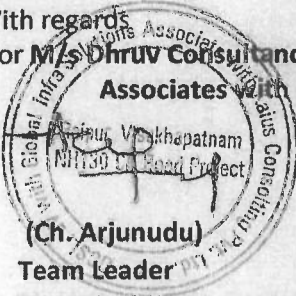
1. At chainage Km 456+172 concessionaire is already completed road works and all road furniture activities, if further construction of HPCL Pipeline in this particular location is allowed, it may be disturbed the existing pavement only HDD is allowed as per the prescribed measures without disturbing the existing pavement condition.
2. At chainage 456+075 there is portable structure for existing IOCL pipe line, if you provide permission to construct proposed HPCL Pipeline is near to the IOCL pipe line, without disturbing the IOCL portal structure proper safety measures with proper clear gap in between two structures as per the MOU signed in between NHAI and HPCL to be provided.
3. As per safety point of view it required to construct a portable structure for further maintenance of HPCL Pipeline works.
4. Authority is informed to obtained detailed design and drawings for the checking of steadily and other parameters.

In view above, we are forwarding this matter to your good office for information and further process please

With regards

For M/s Dhruv Consultancy Services Ltd JV with Global Infra Solutions

Associates with Kaius Consulting Pvt Ltd.



(Ch. Arjunudu)
Team Leader

CC: NKC KS Expressway Private Limited.



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)



BHARATMALA
ROAD TO PROSPERITY

परियोजना निदेशक कार्यालय, परियोजना कार्यालय इकाई - विजयनगरम
प्लॉट नंबर 149 & 150, बालाजीनगर, केविर एस्टेट्स, गोल्लपेट पंचायत, विजयनगरम - 535 004, ए.पि., भारत
OFFICE OF THE PROJECT DIRECTOR, PROJECT IMPLEMENTATION UNIT - VIZIANAGARAM
Plot No. 149 & 150, Balaji Nagar, KVR Estates, Gollalapeta Panchayat, Vizianagaram - 535 004, A.P., India
Ph : 08922-294677, ई-मेल/ E-mail : piuvizianagaram@nhai.org, nhaipiuvm@gmail.com, वेब : www.nhai.gov.in

No: NHAI/PIU-VZM/PKG-04/HPCL/4967
To

10th March, 2025

Shri. Vishwanath Vanchi,
Chief General Manager-Pipeline Projects,
Hindusthan Petroleum Corporation Limited.

Sub.: Development of Six Lane Kantakapalle - Sabbavaram section of NH-130CD Road from Km. 445+100 to Km. 464+662 under Raipur -Visakhapatnam Economic Corridor in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode [Package-4(AP)] - Laying of Visakh - Raipur Pipeline of HPCL - Reg.

Ref.:

- (i) Hindustan Petroleum Corporation Limited (HPCL) letter no. HPCL/VZM/VRPL/AP/NHAI/2025/-06 dated 28.01.2025.
- (ii) MoRTH letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
- (iii) MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023.
- (iv) NHAI Policy Guideline no. 14.22/2022 dated 05.12.2022.

Sir,

Your office vide letter cited under reference (i) above, requested utility laying permission for laying of 14" diameter Visakh - Raipur pipeline along with OFC (in 6" conduit) across NH-130CD in the subject project at Km. 456+172 in Gulivindada village of Vizianagaram District. The following has been submitted along with the proposal:

- (i) MoU signed between NHAI & HPCL dated 30.11.2022
- (ii) Power of Attorney and Undertakings
- (iii) Checklist
- (iv) Construction Methodology
- (v) Pipeline Route Map
- (vi) Cross Section drawing

2. The proposal has been examined and following observations are made:

- a) Width of the ROW available mentioned as 75m instead of 60m as per acquired land. Accordingly Sl No. 1.5, 1.6 and 1.7 of furnished checklist has to be modified.

For

- b) Number of existing lanes in Sl. No. 1.13 of Checklist mentioned as 2/4. However, subject project is 6 lanes highway. Hence, Sl. No. 1.13 has to be modified.
- c) Methodology for laying of Petroleum product pipe line is mentioned as Auger boring / trenchless method / Horizontal Direction Drilling. However, Horizontal Direction Drilling (HDD) method was mentioned in Clause 3.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023. Hence, permission may be given to HPCL if it adopts **Horizontal Directional Drilling Method** for laying of gas /petroleum pipeline.
- d) HPCL shall pay License Fee for Industrial Utilities equal to utilized NH area x prevailing circle rate of land per unit area x 10% per annum (upto maximum of 5 years) as per Clause 5.1 of MoRTH letter no. NH-36094/01/2022-S&R(P&B) dated 17.04.2023.
NH land area = projection of casing pipe i.e. diameter of casing pipe (20'') x ROW width i.e. 0.508mx60m = 30.48sqm
Prevailing Circle Rate = Rs. 15,00,000/- per acre (wet land double crop category) i.e. Rs. 370.65/- per sqm.
License Fee = 30.48x370.65x10% per annum = 1129.73/- per annum
License Fee for 5 years = 5649/-

Following are the bank account details:

Name: NHAI PIU VIZIANAGARAM

Bank: Canara Bank

Account Number: 120026607297

IFSC Code: CNRB0013581

Branch: VIZIANAGARAM

- e) As per para III 2 (c) of MoU signed between NHAI & HPCL signed on 30.11.2022, NHAI has to obtain Performance Security from HPCL before issuance of Permission for laying gas/petroleum pipeline along and across National Highways in National Highways Land (Right of Way).
As per Para 6 of MoRTH letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, an amount of Rs. 15,000/- (Rs. 250/running meter and 60m ROW) has to be obtained as Performance Security Bank Guarantee in the name of "RO-Vijayawada, NHAI" from HPCL with a validity of one year (extendable if required till satisfactory completion of work).
- f) Para IV 2 (a) of MoU signed between NHAI & HPCL dated 30.11.2022, inter-alia mention that the depth of top most point of pipeline should be atleast 1.5m below ground level/bottom of any NH structure/facility. Whereas the proposal submitted by HPCL having 1.2m depth below the ground level. Whereas the proposal submitted by HPCL having 1.2m depth below the ground level. Hence, it is requested to have top most point of pipeline at least 1.5m depth below the ground level.

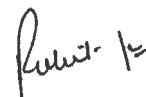
For 1/-

g) Work Programme shall be communicated well in advance to the Project Director, PIU-Vizianagaram, NHAI, with a copy to the IE & Concessionaire.

h) HPCL shall ensure the safety of workmen and commuters during execution of work.

3. In the view of the above, it is requested to furnish compliance of above observations for taking further necessary action.

Yours faithfully,



(Rohit Kumar)
Project Director,
PIU-Vizianagaram, NHAI.

Copy to:

- (i) Independent Engineer, M/s. Dhruv Consultancy Services Limited in JV with Global Infra Solutions in associate with Kaius Consulting Private Limited for information.
- (ii) Concessionaire, M/s. NKC KS Expressways Private Limited for information.



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

HINDUSTAN PETROLEUM CORPORATION LIMITED

(भारत सरकार उपक्रम) पंजीकृत कार्यालय-17, जमशेदजी टाटा रोड, मुंबई-400020
(A Government of India Enterprise)
REGISTERED OFFICE: 17, JAMSHEDJI TATA ROAD, MUMBAI-400020
सी. आई. एन/ C.I.N: M3201MH1952GO1008858

विशाख रायपुर पाइपलाइन प्रोजेक्ट, वी. वी. एस. पी. एल एडमिन बिल्डिंग, वी.आर एटीपी क्षेत्र, नौसेना बेस (पोस्ट), विशाखापत्तनम - 530014
Visakh Raipur Pipeline Project, VVSP Admin Building, VR ATP area, Naval base (post), Visakhapatnam - 530014
HPCL/BG/VRPL/NHAI/PIU-VZM/4967/01 Date: 04.08.2025

To,
Project Director,
PIU-Vizianagaram,
NHAI,
Vizianagaram, AP.



Sub: Submission of Bank Guarantee for Visakh Raipur Petroleum Pipeline along with OFC crossing the development of Six Lane Jakkuva- Korlam Section of NH-130CD road from Km.396+800 to Km. 421+100 and Kantakapalle - Sabbavaram section of NH-130CD road from Km. 445+100 to Km. 464+662 in Vizianagaram district.

Ref: 1) Our proposal Letter No. HPCL/VZM/VRPL/AP/NHAI/2025/06 Dt: 28.01.2025.
2) Demand Note Letter No. NHAI/PIU-VZM/PKG-02/HPCL/4966 Dt. 10.03.2025.
3) Demand Note Letter No. NHAI/PIU-VZM/PKG-04/HPCL/4967 Dt. 10.03.2025.

Dear Sir,

We acknowledge receipt of the following Demand Notes from your office:

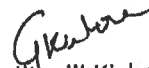
1. Letter No. NHAI/PIU-VZM/PKG-02/HPCL/4966 dated 10.03.2025 - for an amount of Rs. 15,000/- (Rupees Fifteen Thousand only) to be paid in the form of BG as a Restoration Charges for laying of HPCL's VRPL Petroleum Pipeline along with OFC Line across the Six Lane Jakkuva - Korlam section of NH-130CD road from Km. 396+800 to Km. 421+100 under NHAI - Vizianagaram Division.
2. Letter No. NHAI/PIU-VZM/PKG-04/HPCL/4967 Dt. 10.03.2025 - for an amount of Rs. 15,000/- (Rupees Fifteen Thousand Only) to be paid in the form of BG as a Restoration Charges for laying of HPCL's VRPL Petroleum Pipeline along with OFC Line across Six Lane Kantakapalle - Sabbavaram section of NH-130CD road from Km. 445+100 to Km. 464+662 under NHAI - Vizianagaram division.

Dy. Manager (T)	
PA	
SE-PK	
SE-Div	
Accountant	
D.L.O	
Office Asst.	

In compliance with the above, we are herewith submitting **Bank Guarantee No. 0999525BG0Y01628** dated 14.07.2025 for a total amount of **Rs. 30,000/- (Rupees Thirty Thousand only)**, covering both of the aforementioned Demand Notes, for further processing of our proposal.

Thanking you,

Very Truly Yours,



Gullipalli Kishore
Chief Manager - Pipeline Projects
Hindustan Petroleum Corporation Limited

1. **Bank Guarantee No. 0999525BG0Y01628**, Issuance date: July 14, 2025.
2. Copy of Demand Note Letter No. NHAI/PIU-VZM/PKG-02/HPCL/4966 Dt. 10.03.2025.
3. Copy of Demand Note Letter No. NHAI/PIU-VZM/PKG-04/HPCL/4967 Dt. 10.03.2025.



HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise)

REGD. OFFICE : 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI - 400 020.

सी.आई.एन. CIN - M3201MH1952GO1008858

विशाख रायपूर पाइपलाइन प्रोजेक्ट, 43-29-54/8, 1st Floor, बालाजी मेट्रो चैम्बर्स, अक्कायपालेम, विशाखपट्टणम - 530016.
Visakh Raipur Pipeline Project, 43-29-54/8, 1st Floor, Balaji Metro Chambers, Akkayapalem, Visakhapatnam - 530016.

HPCL/PIU-VZM/VRPL/AP/NHAI/2025/08

To,

Project Director,
Project Implementation Unit,
National Highway Authority of India,
Vizianagaram



Date: 25.08.2025

Dy. Manager (T)	
PA	
SE-P	
SE-I	
Accountant	
D.L.O	
Office Asst.	

Sir,

Subject: Request Permission for laying of HPCL's Visakh - Raipur Pipeline of 14" dia along with 6" OFC conduit across Jakkuva - korlam section of NH-130CD Road from Km. 396+800 to Km. 421+100 and across Kantakapalle - sabbavaram section of NH-130CD Km. 445+100 to Km. 464+662 under Raipur Visakhapatnam Economic corridor

Ref: 1. NHAI Letter No. NHAI/PIU-VZM/PKG-2&4/HPCL/2025-26/5573 Dated: 14.08.2025.
2. NHAI Letter No. NHAI/PIU-VZM/PKG-02/HPCL/4966 Dated: 10.03.2025.
3. NHAI Letter No. NHAI/PIU-VZM/PKG-04/HPCL/4967 Dated: 10.03.2025.
4. HPCL Letter No. HPCL/BG/VRPL/NHAI/PIU-VZM/4967/01 Dated 04.08.2025.
5. HPCL letter No. HPCL/PIU-VZM/VRPL/AP/NHAI/2025/07 dt. 18.08.2025

In continuation with our earlier communication HPCL/PIU-VZM/VRPL/AP/NHAI/2025/07 dt. 18.08.2025, where we have committed to provide the DD towards the license fees, please find the following DD attached with this letter.

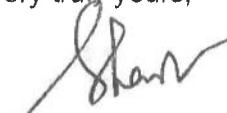
1. DD No. 272818 dt. 18/08/2025 of bank State Bank of India for Rs. 9791.32/-

The DD is cumulating the license fee demand of Rs. 4142.32/- mentioned in the demand note NHAI/PIU-VZM/PKG-04/HPCL/4966 and license fee demand of Rs. 5649/- mentioned in the demand note NHAI/PIU-VZM/PKG-04/HPCL/4967.

Request you to kindly acknowledge on receipt of the same. We further request issuance of the No Objection Certificate (NOC) at the earliest to ensure smooth progress of the project, which is time-bound with a stiff completion target.

We request your priority approval and necessary clearances.

Very truly yours,



**G L Naidu,
DGM -Pipeline Projects
HPCL - VRPL**

Enclosers:

1. DD No. 272818 dt. 18/08/2025 of bank State Bank of India for Rs. 9791.32/-

जारी करने वाली शाखा / Issuing Branch: SWASTIK PARK, CHEMBUR (MUMBAI)
कोड क्रं. / CODE No: 07192
Tel No.

Key: TOBDUV
Sr. No: 125054

1	8	0	8	2	0	2	5
D	D	M	M	Y	Y	Y	Y

DEMAND DRAFT

या उनके आदेश पर
OR ORDER

मांगे जाने पर NHAI PIU VIZIANGARAM
ON DEMAND PAY
रुपये RUPEES

Nine Thousand Seven Hundred Ninety One and Paise Thirty Two Only

अदा करें ₹ 9791.32

IOI 000537272818
Name of Applicant

Key: TOBDUV Sr. No: 125054
TRANSFER FROM G/L

AMOUNT BELOW 9792(0/4)

मूल्य प्राप्त / VALUE RECEIVED

भारतीय स्टेट बैंक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: VIZIANAGRAM

कोड क्रं. / CODE No: 00953

प्राधिकृत हस्ताक्षरकर्ता
AUTHORISED SIGNATORY

ब्रांच प्रबंधक
BRANCH MANAGER

Mamun Kumar
SS No.-M 12268

कम्प्यूटर द्वारा मुद्रित होने पर ही वैध
VALID ONLY IF COMPUTER PRINTED

केवल 3 महीने के लिए वैध
VALID FOR 3 MONTHS ONLY

₹ 1,50,000/- एवं अधिक के लिखत दो अधिकारिण द्वारा हस्ताक्षर होने पर ही वैध
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

⑈ 272818⑈ 000002000⑈ 000537⑈ 16





हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, चर्चगेट, मुंबई-400 020.
HINDUSTAN PETROLEUM CORPORATION LIMITED
(A Government of India Enterprise)
REGD. OFFICE : 17, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI - 400 020.
सी.आई.एन. CIN - M3201MH1952GO1008858

विशाख रायपूर पाइपलाइन प्रोजेक्ट, 43-29-54/8, 1st Floor, बालाजी मेट्रो चैम्बर्स, अक्कायपालेम, विशाखपट्टणम - 530016.
Visakh Raipur Pipeline Project, 43-29-54/8, 1st Floor, Balaji Metro Chambers, Akkayapalem, Visakhapatnam - 530016.

HPCL/PIU-VZM/VRPL/AP/NHAI/2025/07

Date: 18.08.2025

To,

Project Director,
Office of the Project Director
Project Implementation Unit, Vizianagaram.
National Highway Authority of India,
Plot No.149 & 150, Balaji Nagar, KVR Estates,
Gollapeta Panchayat, Vizianagaram - 535 004.



Subject: Request Permission for laying of HPCL's Visakh Raipur Pipeline of 14" dia along with OFC (in 6" conduit) across NH-130CD (Visakhapatnam - Raipur) at 456.172. In Gulivada-179 village of Vizianagaram District.

Ref: 1. NHAI Letter No. NHAI/PIU-VZM/PKG-2&4/HPCL/2025-26/5573 Dated: 14.08.2025.
2. NHAI Letter No. NHAI/PIU-VZM/PKG-02/HPCL/4966 Dated: 10.03.2025.
3. NHAI Letter No. NHAI/PIU-VZM/PKG-04/HPCL/4967 Dated: 10.03.2025.
4. HPCL Letter No. HPCL/BG/VRPL/NHAI/PIU-VZM/4967/01 Dated 04.08.2025.

Dear Sir,

With reference to the subject 1st cited above, we wish to inform you that we acknowledge the receipt of communication regarding the pending compliance submission and license fee payment related to our proposal.

With reference to the 2nd and 3rd subjects cited above, we wish to inform you that we have submitted the Bank Guarantee of Rs.30,000/- via Letter No. HPCL/BG/VRPL/NHAI/PIU-VZM/4967/01 dated 04.08.2025. Furthermore, the license fees of Rs.4,142.32/- and Rs.5,649/- will be paid shortly to your kind office.

With reference to the 2nd and 3rd subjects cited above, we would like to inform you that the compliance checklist herewith submitted to your kind office. Also, we assure you that the work program will be submitted well in advance with a copy to IE & Concessionaire as per your requirement.

We wish to submit, that the project is time bound with stiff completion target and hence request your approval on priority. Please oblige.

Thanking you,

Very truly yours,

G.L. NAIDU
DGM-Projects
Hindustan Petroleum Corpn. Ltd.
Visakh Raipur Pipeline Project
#43-29-54/8, 1st Floor, Balaji Metro Chambers,
Deputy General Manager, Pipeline Projects - 530016.
Hindustan Petroleum Corporation Limited.

Dy. Manager (T)	
PA	
SE-PK	
SE-Div	
Accountant	
D.L.O	
Office Asst.	

CHECK - LIST

Guidelines for Project Director for processing the proposal for laying 14" dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across Proposed National Highway-130CD vested with NHAI.

• Relevant circulars of Ministry of Road Transport and Highways.

1. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) Dated 22/11/2016.

Check list for getting approval for laying HPCL's Visakh – Raipur Pipeline Project (VRPL) of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across National Highway-130CD Land.

Sr. No.	Item	Information / Status	Remarks
1	General Information	Laying HPCL' Proposed Visakh-Raipur Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across NH-130CD (Visakhapatnam-Raipur) at 456.172. In Gulividada-179 village of Vizianagaram District.	
1.1	Name and Address of the Applicant/Agency	Shri. G.L.Naidu Deputy General Manager-Pipeline Projects Hindustan Petroleum Corporation Limited, 43-29-54/8, 1st Floor, Balaji Metro Chambers, Akkayapalem, 100 Feet Road (NH to DRM Office) Visakhapatnam.	
1.2	National Highway Number	NH-130CD	
1.3	State	Andhra Pradesh	
1.4	Location	Village: Gulividada-179 Mandal: Kothavalasa District: Vizianagaram	
1.5	(Chainage in km)	456/172	
1.6	Length in Meters	60.00 m	Crossing
1.7	Width of available ROW	60.00 m	
	(a) Left side from center line towards increasing chainage/ km direction	30	Crossing
	(b) Right side from center line towards increasing chainage/ km direction	30	Crossing
	Proposal to lay underground Petroleum Product pipe	-	
1.8	(a) Left side from center line towards increasing chainage/ km direction	Not Applicable	Crossing
	(b) Right side from center line towards increasing chainage/ km direction	Not Applicable	Crossing
	Proposal to acquire land	Not Applicable	
1.9	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not to be acquired	Not Applicable	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	-	


G.L. NAIDU
DGM-Projects

Hindustan Petroleum Corpn. Ltd.
Visakh Raipur Pipeline Project
43-29-54/8, 1st Floor, Balaji Metro Chambers,
Akkayapalem, Visakhapatnam-530016.

1.12	Number of existing lanes (2/4 / 6/8 lanes)	2/4	
1.13	Proposed Number of lanes(2 lane with paved shoulders/4 /6/8 lanes)	6	
1.14	Service road existin g or not	Not existing	
	If yes then which side	Not existing	
	(a) Left side from center line	Not existing	
	(b) Right side from center line	Not existing	
1.15	Proposed Service Road	No	
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.16	Whether proposal to lay Pipe line is after the service road or between the service road and main carriageway.	Only Crossing	
1.17	The permission for lay pipeline shall be considered for approval/ rejection.	Yes	
	(a) Carrying of oil/Petroleum Product/Natural Gas pipeline on highway bridges shall not be permitted as fumes/gases pipes can be accelerate the process of corrosion, thus being much cost explosion, thus being much more injurious than leakage of gas.	Not Applicable	
	(b) Carrying of gas pipeline in bridges shall be discouraged, However if the gas authorities seems to have no other viable alternative and approach the highway authority well in time before the design of bridge is finalized, they may be permitted to carry the pipeline on independent super structure supported on extended portions of piers and abutments in such a manner that in final arrangement enough free space around the super structure of the bridge remains available for inspection and repairs etc.	No Highway bridge shall be involved in laying the Proposed Pipeline	
	(c) Cost extension of the required substructures as well that of supporting structure shall be borne by the agency in charge of utilities.	Not Applicable	
	(d) Services are not being allowed indiscriminately on the parapet/any part of the bridge, safety of the bridges has to be kept in view while permitting various services along with approvals are to be accorded in this regard with the concurrence of Ministry's project Chief Engineers only.	Not Applicable	
1.18	If the crossing of the road involved if yes, it shall be either encased in pipe or through structure or conduits specially built for that purpose at the expenses of the agency owing the line.	No	
	(a) Whether existing drainage structures are allowed to carry Gas pipeline	No	
	(b) is it on a line normal to NH	90° Perpendicular to road	
	(c) What is the distance of crossing the sewage/ gas pipeline from the existing structures on the National Highway, the minimum distance being 15 meters.	There is no structure near the crossing location.	

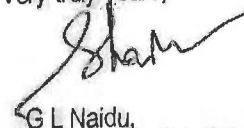
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.	Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) for conforming to API Specification shall be used.	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside so that it does not act as drainage path.	Agreed, shall be followed as per guidelines of NHAI.	
	(f) The casing/conduit pipe should as minimum extend from drain to cuts and toe of slope in the fills	Agreed, shall be followed as per guidelines of NHAI.	
	(g) The top of the casing/conduit pipe should be at least 1.5 meter below the surface of the road subject to being at least 0.3m below the drain inverts, Mentioned the proposed details.	Agreed, shall be followed as per guidelines of NHAI.	
	(h) Mention the methodology proposed for crossing of road for the proposed Petroleum Product pipeline crossing shall be boring method, specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD method shall be adopted.	
	(i) The Casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Agreed, shall be followed as per guidelines of NHAI	
2	Document /Drawings to be enclosed with the proposal:	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m (Min.) deep X 0.8 meter wide) (i) Should not be less 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 not less than 4 meter from the center lines of the nearest carriageway (iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Not shall these be laid over the existing culverts and bridges (iv) These should be so laid that their top is at least 0.6 m below the ground level so as not to obstruct drainage of the road land.	Not applicable	
2.2	Cross section showing the size of pit and location of carrier pipeline CS conduit for OFC for Boring method	Not Applicable	
2.3	Strip plan/ Route Plan showing the pipe line, Chainage, width of ROW, distance of proposed, pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of Petroleum product pipe line.	The pipeline will be laid by HDD method, Detailed procedure attached.	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete /bituminous concrete type.) If yes, what is the Methodology of refilling of trench.	Not applicable	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Not applicable	

	(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material	Not applicable	
	(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.	Not applicable	
	(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 pounding will not be Permitted.	Not applicable	
	(e) The road crust shall be built is 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.	Not applicable	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours	Not applicable	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Not applicable	
2.4.2	Method of Laying Product pipeline	The pipeline will be laid by Horizontal Direction Drilling method.	-
2.4.3	Methodology for laying of Product pipeline through CD works and method of laying, in cases where the carrying of Product Pipeline on the bridge becomes inescapable.	Not applicable	
3	Draft License Agreement signed by two witnesses	Enclosed	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @Rs. 100/- per running meter and Rs.100000/- 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 Product pipeline /ducts by proper filling and compaction, clearing debris loose earth produced due to execution of trenching at least 50m away from the edge of right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth. Performance BG as per above is to be obtained.	Yes, HPCL will pay BG as intimated by NHAI	
4.1	Performance Bank Guarantee as per above is to be obtained.	Will be submitted later upon intimation from NHAI	
4.2	Confirmation of BG has been obtained or not as per NHAI guidelines	Will be obtained	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	
5.2	Renewal of Bank Guarantee.	Yes	
5.3	Confirming all standard condition of NHAI's guidelines.	Yes	
5.4	Shifting of Petroleum product pipe line as and when required by the NHAI at their own cost.	Yes	

5.5	Shifting of petroleum product pipe line due to 2/4 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims	Yes	
5.7	Traffic movement during laying of Petroleum product pipe line to be managed by the applicant.	Yes	
5.8	If any claim is raised by the concessionaire, then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Product pipe line /any other utility located in the National Highway Right of Way.	Yes	
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 Product pipe line will be borne by the applicant agency owning the line.	Yes	
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 agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (i) Laying of Petroleum Product pipeline will not have any deleterious effects on any of the bridge components and Roadway safety for traffic. (ii) <i>"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 the NHAI for future 6- Lanning or any other development"</i>	Yes	
6.	Who will sign the Agreement on behalf of Petroleum product pipeline.	DGM of Hindustan Petroleum Corporation Limited	
6.1	Power of Attorney to sign the agreement is available or not.	Available	
7.	The Project Director will submit the following Certificates.		
7.1	No. RWINH-33044/29/2015/S&R(R) dated 22.11.2016	NA	
7.2	Certificate from PD in the following format (i) <i>"it is certified that any other location of the Product pipeline would be extremely difficult and unreasonable costly and the installation of Product pipeline with in RoW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvements such as widening of the carriageway, easing of curve etc."</i>	NA	
	(ii) Certificate for 6-lanning from PD in the following format. (a) Where feasibility is available <i>"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".</i> (b) In case feasibility report is not available <i>"I do certify that sufficient ROW is available at site for accommodating proposed six-laning".</i>	NA	

8.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay petroleum product Pipeline/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of section from to..... of NH-116 on Build, Operate and Transfer Basis and therefore, the licensee shall honor the same."	NA	
9	Who will supervise the work of laying of Product pipe line. (a) on behalf of the applicant (b) on behalf of NH Division	Deputy General Manager HPCL. Person deputed by project Director, Vizianagaram	
10	Who will ensure that the defects in road portion after laying of Petroleum product pipe line are corrected and if not corrected then what action will be taken (a) on behalf of the applicant (b) on behalf of NH Division	Hindustan Petroleum Corporation Limited. Person deputed by project Director, Vizianagaram	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Hindustan Petroleum Corporation Limited.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa	Request to PD	
13	If any previous approval is accorded for laying of underground Pipe line, then Photocopy of register of records of permissions accorded as maintained by Project Director, then copy be enclosed.	NA	

Very truly yours,



G L Naidu,

Deputy General Manager -Pipeline Projects
Hindustan Petroleum Corporation Limited.

G.L. NAIDU

DGM-Projects

Hindustan Petroleum Corpn. Ltd.

Visakh Raipur Pipeline Project

43-29-54/8, 1st Floor, Balaji Metro Chambers,
Akkayapalem, Visakhapatnam-530016.

Format for Maintaining Records of Right-of-Way permission granted for laying of Petroleum Product Pipe Line (To be maintained separately for every NH)

1. Name of State : Andhra Pradesh
2. Name of NH Division : NHAL Visakhapatnam, Andhra Pradesh
3. NH Number : NH-130CD

Sl. No.	Description of Crossing	Left or right side of NH (Towards increasing chainage/km direction)	Section and reach	Kind of Service	Name of licensee and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	Laying HPCL Proposed Visakh-Raipur Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across NH-130CD (Visakhapatnam - Raipur) at 456.172. In Gulivada-179 village of Vizianagaram District.				Hindustan Petroleum Corporation Limited, Visakh Dispatch station, VRATP Area, Naval Base post, Visakhapatnam-530014					



G.L. NAIDU
 DGM-Projects
 Hindustan Petroleum Corpn. Ltd.
 Visakh Raipur Pipeline Project
 Visakh Raipur Pipeline Chambers,
 # 43-29-54/8, 1st Floor, Balaji Metro Chambers,
 Akkayapalem, Visakhapatnam-530016.

Project Director

CHECK - LIST

Guidelines for Project Director for processing the proposal for laying 14" dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across Proposed National Highway-130CD vested with NHA.

• Relevant circulars of Ministry of Road Transport and Highways.

1. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) Dated 22/11/2016.

Check list for getting approval for laying HPCL's Visakh – Raipur Pipeline Project (VRPL) of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across National Highway-130CD Land.

Sr. No.	Item	Information / Status	Remarks
1	General Information	Laying HPCL' Proposed Visakh-Raipur Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across NH-130CD (Visakhapatnam - Raipur) at 419/496. In Ginjeru-54 village of Vizianagaram District.	
1.1	Name and Address of the Applicant/Agency	Shri. G.L.Naidu Deputy General Manager-Pipeline Projects Hindustan Petroleum Corporation Limited, 43-29-54/8, 1st Floor, Balaji Metro Chambers, Akkayapalem, 100 Feet Road (NH to DRM Office) Visakhapatnam	
1.2	National Highway Number	NH-130CD	
1.3	State	Andhra Pradesh	
1.4	Location	Village:Ginjeru-54, Mandal: Gantyada, District: Vizianagaram	
1.5	(Chainage in km)	419/496	
1.6	Length in Meters	60.00 m	Crossing
1.7	Width of available ROW	60.00 m	
	(a) Left side from center line towards increasing chainage/ km direction	30	Crossing
	(b) Right side from center line towards increasing chainage/ km direction	30	Crossing
	Proposal to lay underground Petroleum Product pipe	-	
1.8	(a) Left side from center line towards increasing chainage/ km direction	Not Applicable	Crossing
	(b) Right side from center line towards increasing chainage/ km direction	Not Applicable	Crossing
	Proposal to acquire land	Not Applicable	
1.9	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not to be acquired	Not Applicable	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	-	

1.12	Number of existing lanes (2/4 / 6/8 lanes).	2/4	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 /6/8 lanes)	6	
1.14	Service road existing or not	Not existin g	
	If yes then which side	Not existing	
	(a) Left side from center line	Not existing	
	(b) Right side from center line	Not existing	
1.15	Proposed Service Road	No	
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.16	Whether proposal to lay Pipe line is after the service road or between the service road and main carriageway.	Only Crossing	
1.17	The permission for lay pipeline shall be considered for approval/ rejection.	Yes	
	(a) Carrying of oil/Petroleum Product/Natural Gas pipeline on highway bridges shall not be permitted as fumes/gases pipes can be accelerate the process of corrosion, thus being much cost explosion, thus being much more injurious than leakage of gas.	Not Applicable	
	(b) Carrying of gas pipeline in bridges shall be discouraged, However if the gas authorities seems to have no other viable alternative and approach the highway authority well in time before the design of bridge is finalized, they may be permitted to carry the pipeline on independent super structure supported on extended portions of piers and abutments in such a manner that in final arrangement enough free space around the super structure of the bridge remains available for inspection and repairs etc.	No Highway bridge shall be involved in laying the Proposed Pipeline	
	(c) Cost extension of the required substructures as well that of supporting structure shall be borne by the agency in charge of utilities.	Not Applicable	
	(d) Services are not being allowed indiscriminately on the parapet/any part of the bridge, safety of the bridges has to be kept in view while permitting various services along with approvals are to be accorded in this regard with the concurrence of Ministry's project Chief Engineers only.	Not Applicable	
1.18	If the crossing of the road involved if yes, it shall be either encased in pipe or through structure or conduits specially built for that purpose at the expenses of the agency owing the line.	No	
	(a) Whether existing drainage structures are allowed to carry Gas pipeline	No	
	(b) is it on a line normal to NH	90° Perpendicular to road	
	(c) What is the distance of crossing the sewage/ gas pipeline from the existing structures on the National Highway, the minimum distance being 15 meters.	There is no structure near the crossing location.	

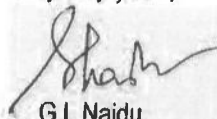
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.	Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) for conforming to API Specification shall be used.	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside so that it does not act as drainage path.	Agreed, shall be followed as per guidelines of NHAI.	
	(f) The casing/conduit pipe should as minimum extend from drain to cuts and toe of slope in the fills	Agreed, shall be followed as per guidelines of NHAI.	
	(g) The top of the casing/conduit pipe should be at least 1.5 meter below the surface of the road subject to being at least 0.3m below the drain inverts, Mentioned the proposed details.	Agreed, shall be followed as per guidelines of NHAI.	
	(h) Mention the methodology proposed for crossing of road for the proposed Petroleum Product pipeline crossing shall be boring method, specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD method shall be adopted.	
	(i) The Casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Agreed, shall be followed as per guidelines of NHAI	
2	Document /Drawings to be enclosed with the proposal.	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m (Min.) deep X 0.8 meter wide) (i) Should not be less 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 not less than 4 meter from the center lines of the nearest carriageway (iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Not shall these be laid over the existing culverts and bridges (iv) These should be so laid that their top is at least 0.6 m below the ground level so as not to obstruct drainage of the road land.	Not applicable	
2.2	Cross section showing the size of pit and location of carrier pipeline CS conduit for OFC for Boring method	Not Applicable	
2.3	Strip plan/ Route Plan showing the pipe line, Chainage, width of ROW, distance of proposed, pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of Petroleum product pipe line.	The pipeline will be laid by HDD method, Detailed procedure attached.	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete /bituminous concrete type.) If yes, what is the Methodology of refilling of trench.	Not applicable	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Not applicable	

	(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value, Unsuitable soil and rock edged should be excavated and replaced by selected material	Not applicable	
	(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.	Not applicable	
	(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 pounding will not be Permitted.	Not applicable	
	(e) The road crust shall be built is 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.	Not applicable	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours	Not applicable	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Not applicable	
2.4.2	Method of Laying Product pipeline	The pipeline will be laid by Horizontal Direction Drilling method.	
2.4.3	Methodology for laying of Product pipeline through CD works and method of laying, in cases where the carrying of Product Pipeline on the bridge becomes inescapable.	Not applicable	
3	Draft License Agreement signed by two witnesses	Enclosed	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @Rs. 100/- per running meter and Rs.100000/- 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 Product pipeline /ducts by proper filling and compaction, clearing debris loose earth produced due to execution of trenching at least 50m away from the edge of right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth. Performance BG as per above is to be obtained.	Yes, HPCL will pay BG as intimated by NHAI	
4.1	Performance Bank Guarantee as per above is to be obtained.	Will be submitted later upon intimation from NHAI	
4.2	Confirmation of BG has been obtained or not as per NHAI guidelines	Will be obtained	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	
5.2	Renewal of Bank Guarantee.	Yes	
5.3	Confirming all standard condition of NHAI's guidelines.	Yes	
5.4	Shifting of Petroleum product pipe line as and when required by the NHAI at their own cost.	Yes	

5.5	Shifting of petroleum product pipe line due to 2/4 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims	Yes	
5.7	Traffic movement during laying of Petroleum product pipe line to be managed by the applicant.	Yes	
5.8	If any claim is raised by the concessionaire, then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Product pipe line /any other utility located in the National Highway Right of Way.	Yes	
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 Product pipe line will be borne by the applicant agency owning the line.	Yes	
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 agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (i) Laying of Petroleum Product pipeline will not have any deleterious effects on any of the bridge components and Roadway safety for traffic. (ii) <i>"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 the NHAI for future 6- Lanning or any other development"</i>	Yes	
6.	Who will sign the Agreement on behalf of Petroleum product pipeline.	DGMof Hindustan Petroleum Corporation Limited	
6.1	Power of Attorney to sign the agreement is available or not.	Available	
7.	The Project Director will submit the following Certificates.		
7.1	No. RWINH-33044/29/2015/S&R(R) dated 22.11.2016	NA	
7.2	Certificate from PD in the following format (i) "it is certified that any other location of the Product pipeline would be extremely difficult and unreasonable costly and the installation of Product pipeline with in RoW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvements such as widening of the carriageway, easing of curve etc."	NA	
	(ii) Certificate for 6-lanning from PD in the following format. (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". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-lanning"	NA	

8.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay petroleum product Pipeline/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of section from to..... of NH-116 on Build, Operate and Transfer Basis and therefore, the licensee shall honor the same."	NA	
9	Who will supervise the work of laying of Product pipe line. (a) on behalf of the applicant (b) on behalf of NH Division	Deputy General Manager HPCL. Person deputed by project Director, Vizianagaram	
10	Who will ensure that the defects in road portion after laying of Petroleum product pipe line are corrected and if not corrected then what action will be taken (a) on behalf of the applicant (b) on behalf of NH Division	Hindustan Petroleum Corporation Limited. Person deputed by project Director, Vizianagaram	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Hindustan Petroleum Corporation Limited.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Form	Request to PD	
13	If any previous approval is accorded for laying of underground Pipe line, then Photocopy of register of records of permissions accorded as maintained by Project Director, then copy be enclosed.	NA	

Very truly yours,



G. L. Naidu,

Deputy General Manager -Pipeline Projects

Hindustan Petroleum Corporation Limited.

G. L. NAIDU
DGM-Projects

Hindustan Petroleum Corpn. Ltd.
Visakh Raipur Pipeline Project

43-29-54/8, 1st Floor, Balaji Metro Chambers,
Akkayapalem, Visakhapatnam-530016.

Format for Maintaining Records of Right-of-Way permission granted for laying of Petroleum Product Pipe Line (To be maintained separately for every NH)

1. Name of State : Andhra Pradesh
2. Name of NH Division : NH-1, Visakhapatnam, Andhra Pradesh
3. NH Number : NH-130CD

Sl. No.	Description of Crossing	Left or right side of NH (Towards increasing chainage/km direction)	Section and reach	Kind of Service	Name of licensee and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	Laying HPCL Proposed Visakh-Raipur Product Pipeline of 14" NB dia (356 mm) pipe by Horizontal Direction Drilling (with separate 6" casing drill for OFC) across NH-130CD (Visakhapatnam - Raipur) at 419/496. In Ginjeru-54 village of Vizianagaram District.				Hindustan Petroleum Corporation Limited, Visakh Dispatch station, VRATP Area, Naval Base post, Visakhapatnam-530014					

Shah

G.L. NAIDU
DGM-Projects
Hindustan Petroleum Corpn. Ltd.
Visakh Raipur Pipeline Project
3-29-54/8, 1st Floor, Balaji Metro Chambers,
Akkayapalem, Visakhapatnam-530016.

Project Director