

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door no. 38-2-3/2, Gorle dalapanna Veedhi, Near American Hospital, Punnammithota

Vijayawada-520010. Tele: 0866-2970220; Fax: 0866-2571985

Dated: 06.02.2019

Invitation of Public Comments

**Sub: Proposal for Permission for laying petroleum product pipeline across the Nation Highway by HPCL, Bangalore at Km 115/1 on NH-716 on Kadapa - Renigunta section near Bhakarapet village in Kadapa district in the state of Andhra Pradesh- reg.**

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Engineer-in-chief (R&B), NH & CRF, AP vide letter dated 07.01.2019 for laying petroleum product pipeline of 16 inch dia with OFC in 24 inch dia casing pipe at Km 115/1 on across NH-716 on Kadapa - Renigunta section near Bhakarapet village in Kadapa district by M/s Hindustan Petroleum corp ltd., Bangalore in the state of Andhra Pradesh.

2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16, the proposal for Highway crossing permission along & across National Highways shall be put out in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

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

The Regional Officer,  
Ministry of Road Transport and Highways,  
Gorle Dalappana Veedhi,  
Near American Hospital, Punnami Thota,  
Vijayawada - 520010  
Email id: romorthvijayawada@gmail.com

Encl:As above

Yours faithfully,



(Nakul Prakash Verma)  
Executive Engineer  
For Regional Officer

Copy to:

- 1) Senior Technical Director, NIC for uploading on the Ministry's website.
- 2) The Engineer-in-chief (R&B), NH & CRF, AP.
- 3) M/s Hindustan Petroleum corp ltd., #332, Darus Salam Building, 2<sup>nd</sup> Floor, Queens road, Bengaluru - 560 052 Email: [ramramesh@hpcl.in](mailto:ramramesh@hpcl.in)

From,  
Dr.R.Mariohara Reddy,M.Tech, Ph.D  
i/c Chief Engineer(R&B), NH & CRF  
Room No.508,  
State HoD Offices Building,  
MG Road,  
VIJAYAWADA - 520010

To  
The Regional Officer, NORTH  
D.No.38-2-3/2, Gorie Dalappara Veedhi,  
Near American Hospital,  
Punnami Thota,  
Vijayawada-520010

Lr No.HPCLs Pipeline CE(NH)/EE(NH)/DEE-5/AEE/2 dt.07-01-2019

Sir,

**Sub:-1** (R&B) NH Circle Anantapuramu - (R&B) NH Divison- Kadapa - Permission for laying HPCL's proposed Vijayawada-Dharampuri Petroleum Product pipelines of 16" diameter along with OFC in 24" diameter casing pipe across National Highway-716 (Kadapa to Renigunta)at Km 115.1, Near village Bhakarapet in Kadapa District by M/s Hindustan Petroleum Corporation Ltd, Banglore-Reg

2.) (R&B) NH Circle Anantapuramu - (R&B) NH Divison- Kadapa - Permission for laying HPCL's proposed Vijayawada-Dharampuri Petroleum Product pipelines of 16" diameter along with OFC in 24" diameter casing pipe across National Highway-167B (Mydukuru to Proumamila at Km 13.150 , Near village Adireddypalli in Kadapa District by M/s Hindustan Petroleum Corporation Ltd, Banglore-Reg

3.) R&B) NH Circle Anantapuramu - (R&B) NH Divison- Kadapa - Permission for Laying HPCL's proposed Vijayawada-Dharampuri Petroleum Product pipelines of 16" diameter along with OFC in 24" diameter casing pipe across National Highway-67(Badavi to Mydukur)at Km 595.300, Near village Yellampali in Kadapa District by M/s Hindustan Petroleum Corporation Ltd, Banglore-Reg

4.) (R&B) NH Circle Anantapuramu - (R&B) NH Divison- Kadapa - Permission for laying HPCL's proposed Vijayawada-Dharampuri Petroleum Product pipelines of 16" diameter along with OFC in 24" diameter casing pipe across National Highway-340 (Rayachoty to Madanpalli )at Km 3.150 , Near village Rayachoty in Kadapa District by M/s Hindustan Petroleum Corporation Ltd, Banglore-Reg

**Ref: -1)**Lr.No312/OFC/NH-716/ATO/2017-18 dt22-11-2018 of Superintending Engineer (R&B), NH Circle , Anantapuramu

2.)Letter No 313/OFC/NH-18/ATO/2017-18dt22-11-2018 of Superintending Engineer (R&B), NH Circle , Anantapuramu

3.)Letter. No: 314/ OFC/NH-67 /ATO/2017-18 dt 22-11-2018 of Superintending Engineer(R&B) ,NH Circle , Anantapuramu

4.)Letter No 316/OFC/NH-340/ATO/2017-18 dt 22-11-2018 of Superintending Engineer (R&B ) NH Circle , Anantapuramu

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Please find enclosed the proposals submitted by the Superintending Engineer (R&B) N.H. Circle, Ananthapuram vide, reference 1<sup>st</sup> to 4<sup>th</sup> cited, to the proposal for laying HPCL's proposed Vijayawada-Dharampuri Petroleum Product pipelines of 16" diameter along with OFC in 24" diameter casing pipe across National Highways in Kadapa Division as shown below

Sl No	NH No	Chainage	Village
1	716	Km 115.1	Bhakarapet
2	167B	Km 13.150	Adireddypalli
3	67	Km 595.300	Yellampali
4	340	Km 3.150	Rayachoty


The proposals are inline with Ministry Circular No. NH-33044/29/2015/S&R(R) Dt. 22.11.2016.

Since the proposals are meeting the requirements for granting permission , it is here by recommended to accord necessary permission.

Encl : The Proposal received from HPCLs proposal:

- 1) Checklist counter signed by the Executive Engineer.
- 2) Draft License deed signed by the applicant.
- 3) Necessary undertakings covering the conditions mentioned in the license deed.
- 4) Methodology Execution

Yours faithfully,

  
For I/c Chief Engineer(R&B)  
National Highways & CRF

Copy to:-

The Superintending Engineer (R&B) NH Circle Anantapuram  
The Executive Engineer (R&B) Division Kadapa, for necessary action.



# हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम)पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

## HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

सी. आई. एन. /C.I.N. : L23201MH1952GOI008858

पाइपलाइन परियोजना, बेंगलूरु # 332, दारुस सलाम बिल्डिंग, दूसरा मंजिल, क्वीन्स रोड, बेंगलूरु - 560 052. दूरभाष : 080-22535400

Pipeline Projects, Bengaluru # 332, Darus Salam Building, Second Floor, Queens Road, Bengaluru - 560 052. Phone : 080-22535400

HPCL/BNG/VDPL/AP/NH/2017/

Date: 05.09.2017

To,  
Executive Engineer,  
Roads and Building Department,  
NH Division, Cuddapah (A.P) - 516001.

**Subject:** Permission for laying HPCL's proposed Vijayawada - Dharmapuri Petroleum Product Pipeline of 16"dia along with OFC in 24" dia casing pipe across National Highway-716 (Kadapa to Renigunta) at Km 115.1, Near Village Bhakarapet in Cuddapah District.

Dear Sir,

Hindustan Petroleum Corporation Limited (HPCL) is one of the major Central Public Sector "Navratna" Oil Company engaged in refining, marketing & distribution of petroleum products in India.

HPCL owns two refineries at Mumbai & Visakhapatnam & 7 Nos operating cross country finished petroleum products pipelines (Mumbai - Pune - Solapur Pipeline- 505 Kms; Vizag - Vijayawada - Secunderabad Pipeline- 570 Kms; Mundra - Delhi Pipeline-1050 Kms; Rewari - Kanpur Pipeline - 440km; Bhatinda - Bahadurgarh Pipeline 245km; Mangalore - Hassan - Mysore - Solur LPG Pipeline-354 km; Awa - Salawas Pipeline -93 km ) with a wide network of distribution and marketing infrastructure throughout the country.

Hindustan Petroleum Corporation Limited now proposed to lay 16"dia Pipeline for transportation of finished petroleum originating from HPCL's existing terminal at Vijayawada in the state of Andhra Pradesh and terminating at proposed terminal at Dharmapuri in the State of Tamil Nadu via Cuddapah in the state of Andhra Pradesh.

The Proposed to lay HPCL's Vijayawada - Dharmapuri Petroleum Product Pipeline of 16" dia along with OFC will be crossing National Highway-716 (Kadapa to Renigunta) at Km 115.1, Near Village Bhakarapet in Cuddapah District.

The proposed Petroleum product pipeline & OFC will be laid across NH-716 as per the following details:-

1. The carrier pipe will be of 16" OD Carbon steel confirming to API-5L specifications based on final design.
2. The casing pipe will be of 24" OD Carbon steel confirming to API-5 L specifications based on final design.
3. Crossing shall be undertaken by Horizontal boring Method.
4. Top of the pipeline will be laid at least 1.2 meters below the Natural ground level.
5. Necessary fee in this regards, if any, shall be remitted upon receipt of advice from your side.
6. All works will be carried out as per the approved drawings.
7. During Execution of the work, all safety precaution will be ensured.
8. Location Area will be restored back to its original condition after execution.
9. All terms conditions mutually agreed with NHAI will be adhered while execution of the work.

  
R. Ramesh,  
General Manager, Pipeline Projects  
Hindustan Petroleum Corporation Limited  
2nd Floor, No 332, Darus Salam Building,  
Queen's Road, Bangalore - 560052

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

1. Pipeline Route Map
2. Cross Section Drawing.
3. Check List.
4. Undertaking.
5. Construction Methodology.

The project is of National importance since the pipeline will be laid for meeting the overgrowing demand of petroleum products in the country and South India in particular with the growth of Indian economy.

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

Thanking you,

Very truly yours,

  
R. Ramesh

General Manager - Pipeline Projects  
Hindustan Petroleum Corporation Limited  
2nd Floor, No 332, Darus Salam Building,  
Queen's Road, Bangalore - 560052

Encl: As Above

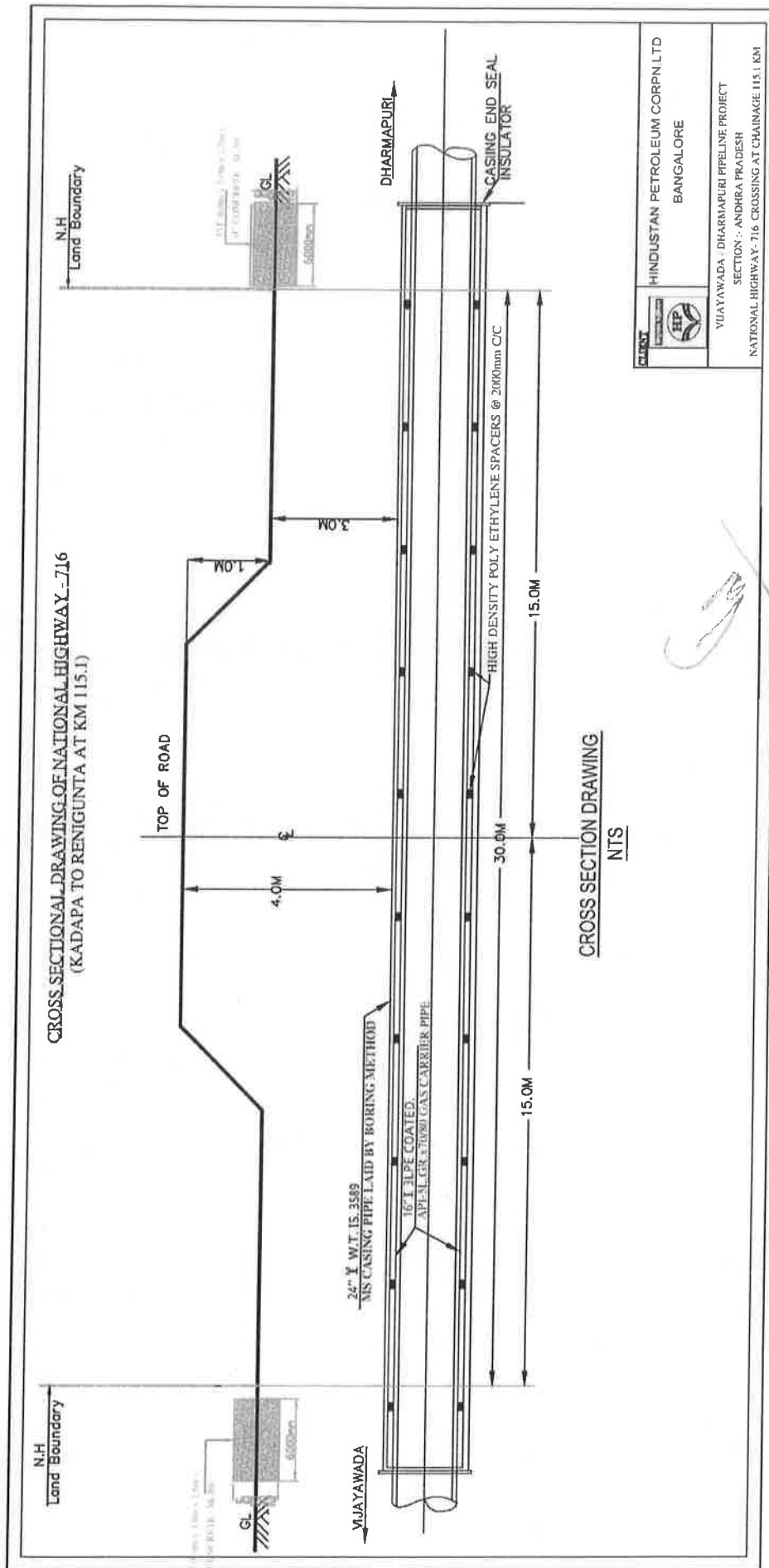
### Vijayawada – Dharmapuri Petroleum Product Pipeline

Sl No.	Description	Pipeline Chainage (Km)	NH Chainage	Pipeline Location	Village	Mandal	District	Remarks
1	National Highway-716(Kadapa to Renigunta)	377423.27	Km 115.1	IP480/1 - IP480/2	Bhakarapet	Siddavattam	Cuddapah	Crossing the NH-716

Very truly yours,

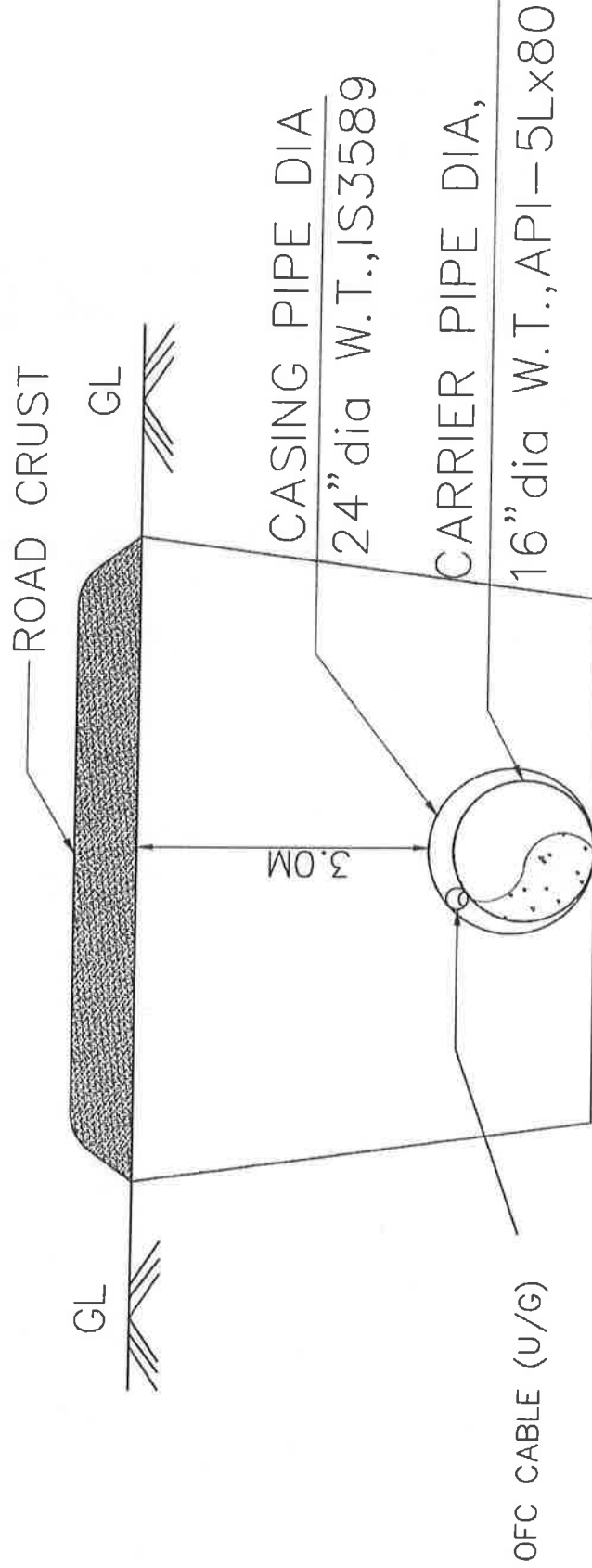
**R. Ramesh,**  
General Manager - Pipeline Project  
Hindustan Petroleum Corporation Lim.  
2nd Floor, 135, S. S. Ramus Salam Bldg  
Queen's Road, Bangalore - 56005.







**श्री. रमेश R. RAMESH**  
 Deputy General Manager-Projects  
 हिन्दुस्तान पेट्रोलीयम कॉर्पोरेशन लिमिटेड  
 HINDUSTAN PETROLEUM CORPORATION LIMITED  
 मंगलूर-हसन-सेलम-सोलर एलपी गैस पाइपलाइन प्रोजेक्ट  
 Mangalore-Hassan-Mysore-Solar LPG Pipeline Project  
 प्लॉट नं. 332, दानिस सलाम बिल्डिंग, सेकण्ड फ्लोर,  
 क्वीन्स रोड, बेंगलूर - 560 052

# METHODOLOGY OF CROSSING



HINDUSTAN PETROLEUM CORPN. LTD  
BANGALORE

VIJAYAWADA-DHARMA PURI PRODUCT PIPELINE PROJECT  
NATIONAL HIGHWAY-716 CROSSING AT CHAINAGE-115.1 KM  
SECTION :- ANDHRA PRADESH

आ. रमेश R. RAMESH  
 Deputy General Manager-Projects  
 HINDUSTAN PETROLEUM CORPORATION LIMITED  
 Mangalore-Hassan-Mysore-Solar LPG Pipeline Project  
 No. 332, Durgam Chauraha, Second Floor,  
 Queens Road, Bangalore - 560 052



# TYPICAL CROSS SECTIONAL DRAWING

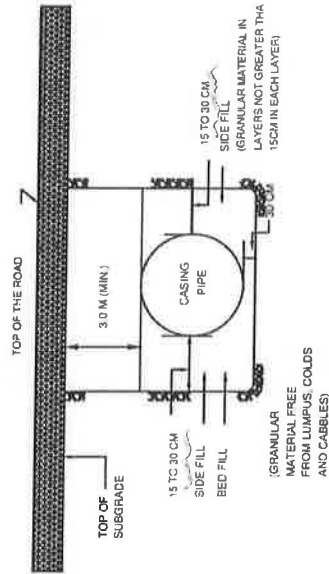


FIGURE-1 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD

30 CM x 30 CM x 30 CM

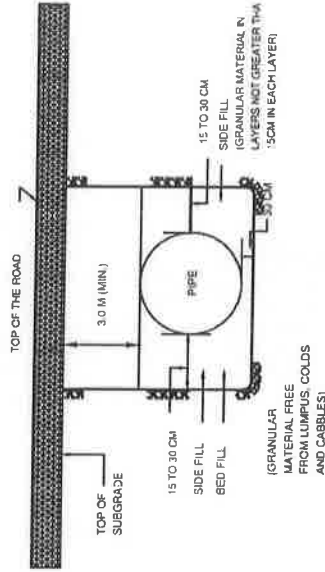


FIGURE-2 INSTALLATION OF PIPE FOR ALONG THE ROAD

CLIENT



HINDUSTAN PETROLEUM CORPN. LTD  
BANGALORE

VIJAYAWADA-DHARMAPURI PRODUCT PIPELINE PROJECT  
NATIONAL HIGHWAY-716 AT CHAINAGE-115.1 KM  
SECTION :- ANDHRA PRADESH

DR. RAMESH

30 मीटर व्यास का पाइप लाइन  
Deputy, General Manager, Projects  
हिंदुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
HINDUSTAN PETROLEUM CORPORATION LIMITED  
महाराष्ट्र-हसन-महाराष्ट्र-सौर-एलपी गैस पाइपलाइन प्रोजेक्ट  
Mangalore-Hassan-Mysore-Solar LPG Pipeline Project  
प्लॉट नं. 332, दोसरा मंजूर भवन, 2रा मंजूर, 2रा मंजूर

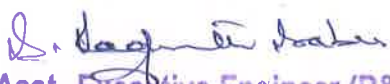
No. 332 Darius Salam Building, Second Floor,  
कॉन्सर्ट स्ट्रीट, बंगलूरु - 560 052  
Queens Road, Bengaluru - 560 052

## CHECK LIST

Guidelines for Project Director for processing the proposal for laying 16" dia Petroleum Product Pipeline along with OFC in 24" dia casing pipe across National Highway - 716 vested with NH.


Check list for getting approval for laying HPCL's Vijayawada-Dharmapuri Petroleum Product Pipeline along with OFC in 24" dia casing pipe across National Highway - 716

Sl No:-	Item	Information/Status	Remarks
1	General Information	Laying pipeline across to NH-716 (Kadapa to Renigunta)	
1.1	Name and Address of the Applicant/Agency	Hindustan Petroleum Corporation Limited, No-332, Darus Salam Building, II floor, Queens road, Bangalore-560052, 080 22535400	
1.2	National Highway Number	NH-716	
1.3	State	ANDHRA PRADESH	
1.4	Location	Bhakarapet	
1.5	chainage/K.m	Km 115.1	✓
1.6	Length in Meters	30.0 meters	✓
1.7	Width of available ROW		
	a)Left side from center line towards increasing chainage /km direction	As per drawing attached	✓
	b)Right side from center line towards increasing chainage /km direction	As per drawing attached	✓
1.8	Proposal to lay the utility		
	a)Left side from center line towards increasing chainage /km direction	As per drawing attached	
	b)Right side from center line towards increasing chainage /km direction	As per drawing attached	
1.9	proposal to acquire the land		
	a)Left side from center line	NA	
	b)Right side from center line	NA	
1.10	whether proposal is in the same side where land is not to be acquired	Only crossing at (Km 115.1)	✓
	if not then where to lay the cable		

  
Asst. Executive Engineer (R&B)  
N.H. SECTION-I, KADAPA.

  
Dy. Exe. Engineer (R&B)  
N.H. Sub Division, KADAPA.

  
EXECUTIVE ENGINEER (R & B)  
N.H. DIVISION, KADAPA.

  
आर. रमेश R. RAMESH  
उप महा प्रबंधक-परियोजना  
Deputy. General Manager-Projects  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
HINDUSTAN PETROLEUM CORPORATION LIMITED  
मंगलूर-हासन-मैसूर-सोलूर एलपीजी पाइपलाइन परियोजना  
Mangalore-Hassan-Mysore-Solur LPG Pipeline Project  
सं. 332, दारुस सलाम बिल्डिंग, दूसरा तल,   
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Queens Road, Bengaluru - 560 052.

1.11	Details of already laid services, if any along the proposed route	NA	
1.12	Number of Existing lanes(2,4,6,8 lanes)	2	
1.13	proposed number of lanes (2lane with paved shoulders/4/6/8 lanes)	2	
1.14	Service road existing or not	NO	
	if YES then which side		
	a)Left side from center line		
	b)Right side from center line		
1.15	Proposed Service road	NO	
	a)Left side from center line		
	b)Right side from center line		
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	Crossing	
1.17	Whether carrying of sewage /gas pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	HDD/Boring	
1.18	Whether carrying of sewage /Gas pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	NO	
1.19	If crossing of the road involved If YES ,it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expense of the agency owning the line	Through HDD/Boring	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NO	
	b)is it on aline normal to the NH	NO	
	c)What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the national highway. the minimum distance being 15 meter	N.A	
	d)The casing pipe carrying the utility line shall be of steel .cast iron pr reinforced cement concrete and have adequate srength and be large enough to permit ready withdrawl of carrier pipe/cable	24" dia Carbon steel casing	
	Mention type of casing	CARBON STEEL PIPELINE	
	e)Ends of the casing /Conduit pipe shall be sealed from the outside.so that it doesnot act as a drainage path	YES	


*[Signature]*  
Asst. Executive Engineer (R&B)  
N.H. SECTION-I, KADAPA.

*[Signature]*  
Dy. Exe. Engineer (R&B)  
N.H. Sub Division, KADAPA.

*[Signature]*  
EXECUTIVE ENGINEER (R & B)  
N.H. DIVISION, KADAPA.

*[Signature]*  
आर. रमेश R. RAMESH  
उप महा प्रबंधक-परियोजना  
Deputy. General Manager-Projects  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
HINDUSTAN PETROLEUM CORPORATION LIMITED  
मंगलूर-हासन-मैसूर-सोलूर एलपीजी पाइपलाइन परियोजना  
Mangalore-Hassan-Mysore-Solur LPG Pipeline Project  
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Queens Road, Bengaluru - 560 052.

	f)The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in fills	YES	
	g) The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	YES	
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed sewage /Gas pipe line .Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD/Boring	
	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 water way along it	YES	
2	Document /Drawing to be enclosed with the proposal	Enclosed	
2.1	crosssection showing the size of the trench for open trenching method	Enclosed	
	is it normal size of 1.2m deep X 0.3meter wide	3.0m deep X 0.61m wide	
	i)should not be greater than 60cms wider than the outer diameter of the pipe	YES	
	ii)located as close to the extreme edge of the right of way as possible but not less than 15m from the centerline of the nearest carriageway	YES	
	iii)shallnot be permitted to run along the Natinal Highways when the road formation is situated in double cutting,nor shall these be laid over the existing culverts and bridges	YES	
	iv)These should be so laid that their top is at least 0.6m below the ground levelso as not to obstruct drainage of the road land	Yes	
2.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
2.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW distance of proposed pipeline from the edge of ROW. Important mile stone Intersections ,cross drainage works etc...	Enclosed	
2.4	Methodology for laying of the utility pipeline	Enclosed	

  
Asst. Executive Engineer (R&B)  
N.H. SECTION-I, KADAPA.

  
Dy. Exe. Engineer (R&B)  
N.H. Sub Division, KADAPA.

  
EXECUTIVE ENGINEER (R & B)  
N.H. DIVISION, KADAPA.

  
आर. रमेश R. RAMESH  
उप महा प्रबंधक-परियोजना  
Deputy. General Manager-Projects  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
HINDUSTAN PETROLEUM CORPORATION LIMITED  
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Queens Road, Bengaluru - 560 052.



2.4.1	open trenching method.(May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type		
	IF yes what is the methodology of refilling the trench		
	a)The trench width should be at least 30cms. But not more than 60cms wider than the outer diameter of the pipe	Enclosed	
	b)for filling of the trench bedding shall be to a depth of not less than 30cms.It shall consist of granular material.free of lumps,clods and cobbles and graded to yield a form surface without sudden change in the bearing value.unsuitable soil and rock edged should be excavated and replaced by selected material.	YES	
	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	YES	
	d) The side fill shall consist of granular material laid in 15cms layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density .Overfill shall be compacted to the same density as the material that has been removed.consolidation by saturation or ponding willnot be permitted	YES	
	e)The road crust shall be built to the same strength as the existing crust on either side of the trench.Care shall be taken to avoid the formation of a dip at the trench	YES	
	f)The excavation shall be protected by flagman. Signs and barricades and redlights during night hours	YES	
	g)if required a diversion shall be constructed at the expanse of agency owing the utility line	YES	
2.4.2	Horizontal Directional Drilling method(HDD method)	YES	
2.4.3	methodology for laying of the pipeline through CD works and method of laying	YES	
	in cases where the carrying of gas pipeline on the bridge becomes inescapable		
3	draft license agreement is signed by two witnesses	Enclosed	

*S. Raghav Sahu*  
Asst. Executive Engineer (R&B)  
N.H. SECTION-I, KADAPA.

*K. R. Ramesh*  
Dy. Exe. Engineer (R&B)  
N.H. Sub Division, KADAPA.

EXECUTIVE ENGINEER (R & B)  
N.H. DIVISION, KADAPA.

*R. Ramesh*  
आर. रमेश R. RAMESH  
उप महा प्रबंधक-परियोजना  
Deputy. General Manager-Projects  
हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
HINDUSTAN PETROLEUM CORPORATION LIMITED  
मंगलूर-हासन-मैसूर-सोलूर एलपीजी पाइपलाइन परियोजना  
Mangalore-Hassan-Mysore-Solur LPG Pipeline Project  
सं. 332, दारुस सलाम बिल्डिंग, दूसरा तल,  
No. 332, Darus Salam Building, Second Floor,  
कवीर रोड, बेंगलूर - 560 052.  
Queens Road, Bengaluru - 560 052.

3.1	the licensee fee estimate as per ministry guide lines issued vide circular no:RW/NH/33044/29/2015/S&RDATED 22-11-2016	Enclosed	
4	whether performance bank guarantee as per minstry circular No:RW/NH-3044/29/2015/S&R(R)DATED 22-11-2016 is obtained	Yes	
4.1	confirmation of BG has been obtained or not as per MORTH /NHAI guide lines	Yes	
5	Affedifit /undertaking from the applicant from the following is to be furnished		
5.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAI or to the concerned agency	Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Enclosed	
5.3	Undertaking for confirming all standsard condition of Minsttry /NHAI guide lines	Enclosed	
5.4	Undertaking for indemnity agaisnst all damages and claims	Enclosed	
5.5	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant	Enclosed	
5.7	Undertaking that prior approval of the NHAI shallbe obtaine befor undertaking any work/installation /shifting/repairs /alterations to the utility located in the national highways ROW	Enclosed	
5.8	Undertaking that expenditure if any incurred by NHAI by rpairing any damage caused to the NH by laying maintenance or shifting of the utility line will be borne by the appplicant agency owning the line	Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of MORTH format issued Vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R)DATED 22-11-2016	Enclosed	

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*K. K. K. K.*  
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**EXECUTIVE ENGINEER (R & B)**  
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**HINDUSTAN PETROLEUM CORPORATION LIMITED**  
मंगलूर-हासन-मैसूर-सोलर एलपीजी पाइपलाइन परियोजना  
**Mangalore-Hassan-Mysore-Solar LPG Pipeline Project**  
मं. 332, दासुस सलाम बिल्डिंग, दूसरा तल,   
No. 332, Darus Salam Building, Second Floor,  
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5.10	undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of explosives, petroleum and explosive safety organization, Oil industry safety directorate, state /central pollution control board and any other statutory clearance as applicable, before applying to Highway administration	Enclosed	
5.11	if the MORTH/NHAI considers if 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 MORTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Enclosed	
5.12	certificate from the applicant in the following format		
	i) laying of GAS pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Enclosed	
	ii) "we do undertake that I /we will relocate service road /approach road /utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laneing/any other development"	Enclosed	
6	who will sign the agreement on behalf of GAS pipeline agency	DGM, HPCL	
	power of attorney to sign the agreement is available or not	YES	
7	The project director will submit the following certificates		
7.1	certificate that the proposal is conforming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R DATED 22-11-2016.	Enclosed	
7.2	certificate from PD in the following format		
	i) "it is certified that any other location of the GAS pipeline would be extremely difficult and unreasonable costly and the installation of GAS pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of curve"	Enclosed	
	ii) for six laneing		
	a) where feasibility is available "I do certify that there will be no hindrance to proposed six laneing based on the feasibility report considering proposed structures at the said location".	Enclosed	

  
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	b)In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laning"		
8	If NH section proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement. The permitted Highway on which licensee has been granted the right to lay Gas pipeline /Duct has also been granted as a right of way of to the cocessionaire under the concession agreement for upgrading of(-----Section from KM ----- to KM ----- of NHno:----- on build. (operate and transfer basis )and therefore the licensee shall honour the same	Enclosed	
9	who will supervise the work of laying of GAS pipeline.	HPCL	
	a)on behalf of the applicant		
	b)on behalf of MORTH /NHAI		
10	Who will ensure that the defects in road portion after alying of gas pipeline are corrected and if not corrected then what action will be taken	HPCL	
	a)on behalf of the applicant		
	b)on behalf of NHAI		
11	Who will pay the claims for damages done /disruption in working of	HPCL	
	on behalf of Applicant		
12	A certificate from PD that he will enter the propoded permission in the registerof records of the permissions in the prescribed proforma(copy enclosed)		
13	if any previous approval is accorded for laying of underground gas pipeline then photocpy of register of records/permissions accorded(as maintained by PD) be enclosed.	Enclosed	

*[Signature]* Dy. Exe. Engineer (R&B)  
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*[Signature]*  
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N.H. DIVISION, KADAPA.

Name /Designation/Signature of the  
authorized representative of the aplicant

Name /Designation/Signature of the  
concerned field authority of  
NHAI/PWD/BRO