

भारत सरकार
सड़क परिवहन एवं राजमार्ग
मन्त्रालय
क्षेत्रीय कार्यालय
नन्दी विला (1 फ्लोर) 199/सी,
विद्यालय मार्ग, रोड न० 1, अशोक
नगर, राँची-834002



Ph: (0651) – 2240223, 2240222
GOVERNMENT OF INDIA
Ministry of Road Transport & Highways
Regional Office
Nandi Villa (1st Floor) 199/c, Vidyalaya
Marg, Road No.1 Ashok Nagar, Ranchi-02
E-Mail- roranchi03@gmail.com

No. RW/Ranchi/OFC/64/JHR/2019-20 / 893

Dated: 08th January, 2020

Invitation of public comments

Sub: Permission for laying of twin 18'' dia under ground Hydrocarbon pipeline along with OFC duct through pipeline ROU (Right of user) and across NH-333 at Ch.152.75 Km for proposed Haldia-Barauni pipeline project (HBPL) .

The Chief Engineer (NH), RCD, Ranchi vide letter no. CE/NH/Misc.-76/19 914(WE) dated 14.11.2019 has forwarded therewith a proposal to this office for NOC for laying of twin 18'' dia under ground Hydrocarbon pipeline along with OFC duct through pipeline ROU (Right of user) and across NH-333 at Ch.152.75 Km for proposed Haldia-Barauni pipeline project (HBPL) submitted by Shri Subrata Dubey, Chief Construction Manager, Indian Oil Corp.Ltd., Pipelines Division, Construction Office, Durgapur i.e. the applicant on above mentioned subject.

2. As per Ministry OM vide no. 33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will make available the proposal seeking permission for utility services for public comments for 30 days on ground of public interest.

3. In view of the above, the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 08.02.2020 beyond which no comments will be considered.

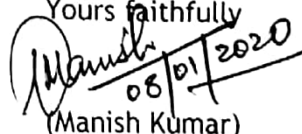
The Regional Officer,
Regional Office, MoRT&H,
Government of India,
Nandi Villa(1st Floor), 199/C,
Vidyalaya Marg, Ashok Nagar, Ranchi, Jharkhand-834002
Email Id: roranchi03@gmail.com

4. This is issued with the approval of Highway Administrator cum Regional Officer, MoRT&H, Ranchi.

Encl. As above

Copy to:

- The Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's website.
- The Chief Engineer (NH), RCD, 1st Floor, Engineer's Hostel no. - 2, Dhurwa, Ranchi- 834004.
- Shri Subrata Dubey, Chief Construction Manager, Indian Oil Corp. Ltd(Pipe line Division), Paradip - Haldia-Durgapur-LPG Pipeline " The Legend" 2nd & 3rd Floor, Sahid Khudiram Sarani, City Center, Durgapur-16, West Bengal , .

Yours faithfully

(Manish Kumar)
Asst, Executive Engineer,
For, Regional Officer.



OFFICE OF THE CHIEF ENGINEER
National Highway Wing, RCD, Jharkhand
Engineer's Hostel, Dhurwa, Ranchi - 834004
Email id : cenh-jhr@nic.in ; Tele Fax : 0651-2400863

Letter No:- CE/NH/ Misc.-76/19 - 914 (W) Ranchi, Date :- 14/11/19
To,

The Regional Officer,
Ministry of Road, Transport and Highways,
Nandi Villa (1st Floor), 199/C, Vidyalaya Marg,
Road No. -1, Ashok Nagar, Ranchi-834002

20/11/19
Sub : Permission for laying 18" dia under ground Hydrocarbon pipeline along with OFC duct through pipeline ROU (Right of user) and across NH-333 at Ch. 152.75 Km for proposed Haldia-Barauni pipeline project (HBPL) falling under your jurisdiction.

-----regarding-----

- Ref. : (i) Superintending Engineer, NH Circle, Dhanbad letter no. 530 (WE) dated 24.10.19
(ii) Executive Engineer, NH Division, Deoghar letter no. 1266 (WE) dated 16.08.19
(iii) MoRT&H letter no. RW/NH-33044/29/2015/S&R(R) dated 22.11.16
(iv) The Gazette of India MoRT&H Notification S.O. 3333(E) dated 26.10.16

Sir,

Please refer The Gazette of India under reference (iv) through which you are declared as Highway Administration.

Further, as per MoRT&H Circular referred under reference (iii), the applicant has to apply application to Highway administration.

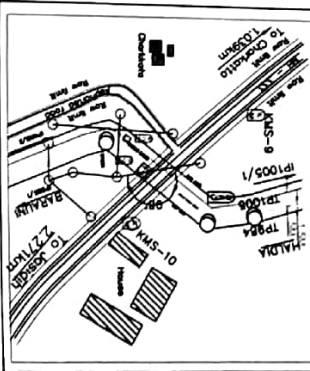
It is to mention that an application for permission for laying 18" dia under ground Hydrocarbon pipeline along with OFC duct through pipeline ROU (Right of user) and across NH-333 at Ch. 152.75 Km for proposed Haldia-Barauni pipeline project (HBPL) has been received from Superintending Engineer, NH Circle, Dhanbad vide letter under reference (i)

As per circular referred under reference (iii) & (iv), the said permission/NOC is to be granted by your good office, hence the same is being sent to you in three copies for further necessary action.

Encl:- As above.

Yours faithfully


Om Prakash Vimal
(Om Prakash Vimal)
Chief Engineer,
National Highway Wing
Jharkhand, Ranchi

[illegible]

Sr No	PARTICULARS	DETAILS
1	Origin-Destination	Charlotte-Jessiah
2	Road Name As Per Authority	NH-333
3	NH-333 Character(km)	CH. 152.75 KM
4	Intersect JP or JP a) Before Crossing b) After Crossing	IP985/1 & IP985/2 IP1003/1 & IP1003/2
5	Crossing Angle	98°
6	Road Width at Crossing in m	34.70M
7	Crossing Control Point	E 463296.2971 N 2712294.6062 E 463294.9310 N 2712296.0975

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE MENTIONED.
2. ALL LEVELS ARE WITH RESPECT TO MEAN SEA LEVEL.

DISANTA MEDHI
Project Engineer
Indian Oil Corp. Ltd., Pipelines Div.,
Construction Office, Durgapur


SUBRATA DUBEY
Chief Construction Officer

Indian Oil Corp. Ltd., Petroleum Division
Construction Office, Durgam

[illegible]

REV	DATE	INITIAL	SCN	INITIAL	SCN	INITIAL	SCN	QTY OF REV
0	01.01.17							

CLIENT	INDIAN OIL CORPORATION LIMITED REFINERIES DIVISION, MUMBAI
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SUBMITTED &
PREPARED BY

 S.K.P. PROJECTS PVT. LTD.
J-1 - 2nd St 3rd Cross
New Mangalore City
Mangalore - 575001
Phone - (0824) 241171/72 Fax - (0824) 241173

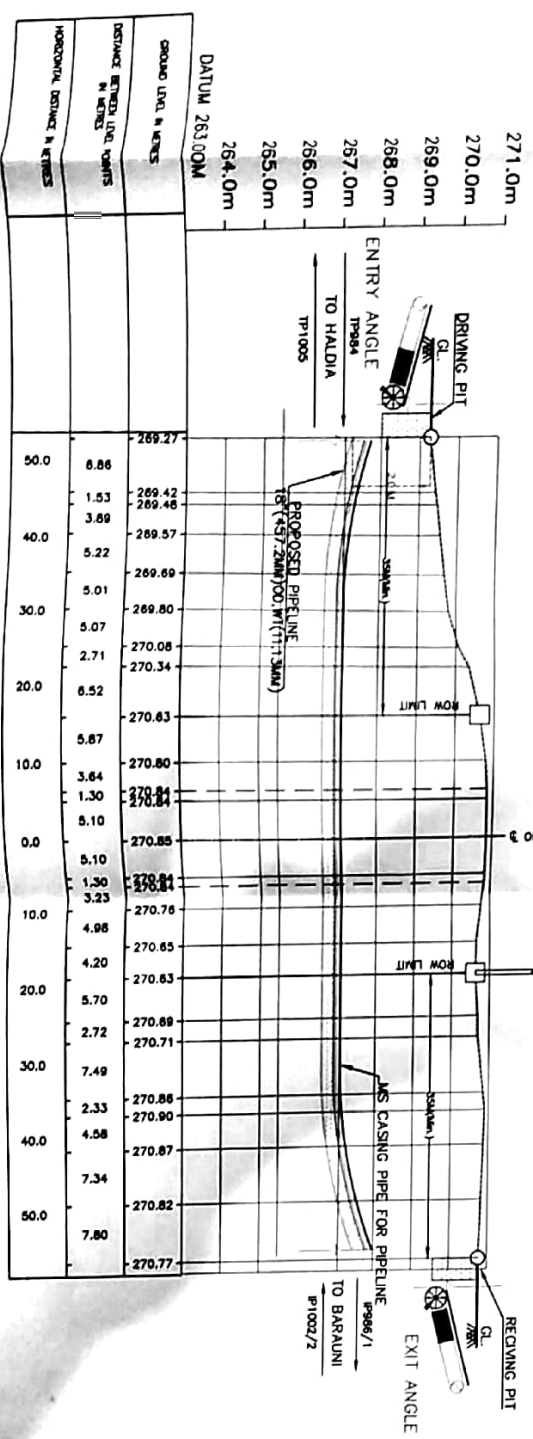
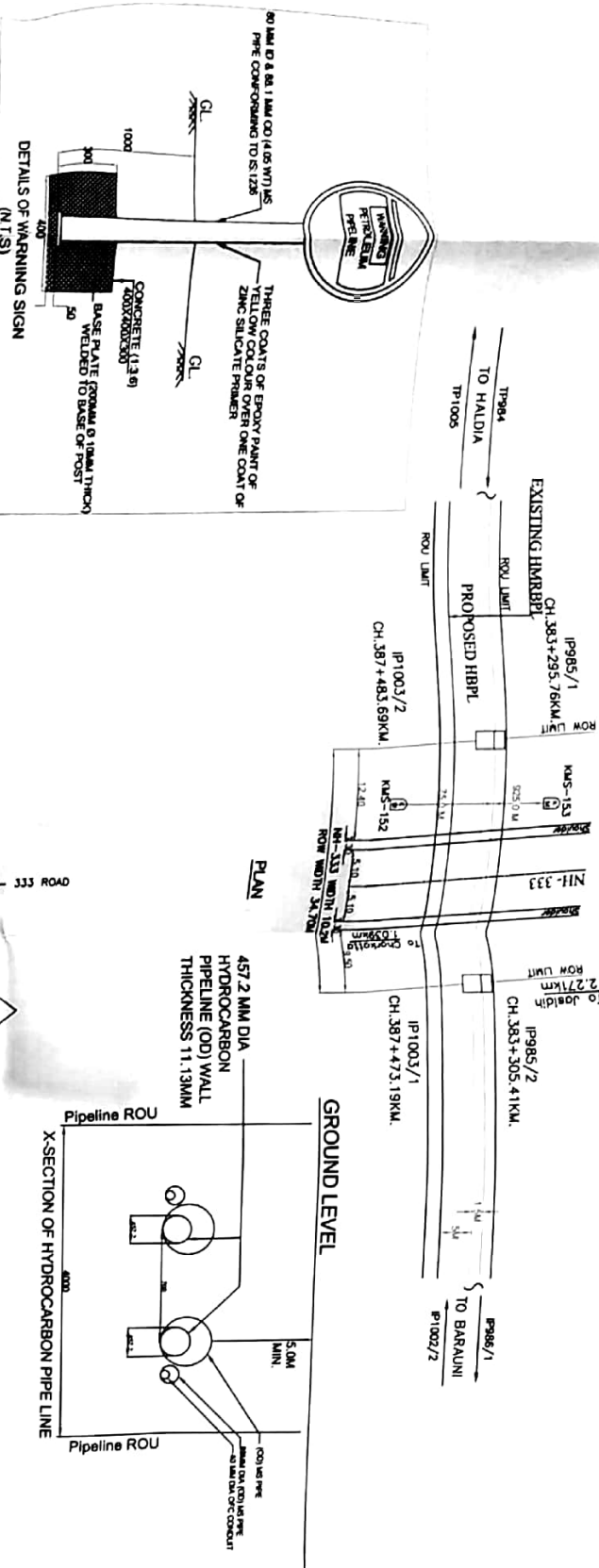
PRODUCT	(1) IN 1997, THIS CERTAIN COMPANY REORGANIZED UNDER THE NAME OF SON, BURNING, COASTAL, BURNING & PROTECTING SERVICES FOR ESTABLISHED NOW IN 1997
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FILL IN DATA BELOW AS APPLICABLE TO PRODUCT IDENTIFY THE PRODUCT	
JOB NO.	SHEET OF : 360 OF 300
DRAW TITLE CROSS SECTION	

	SECTION
	HALDIA TO BARUANI PIPE LINE

SCALE	DRAWING NO.
DETAILS OF	N4 - J35 CROSSING AT CH 383+301.39 KM A 387+479.06 KM

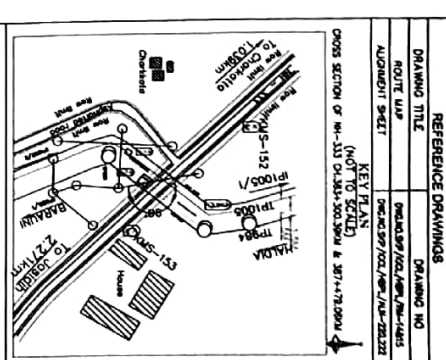
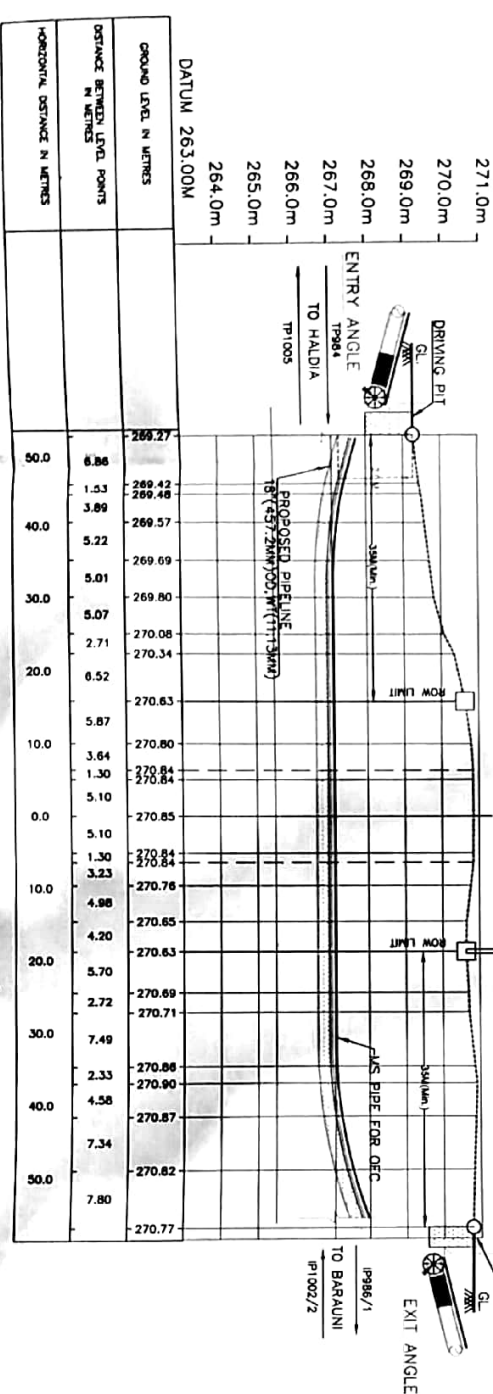
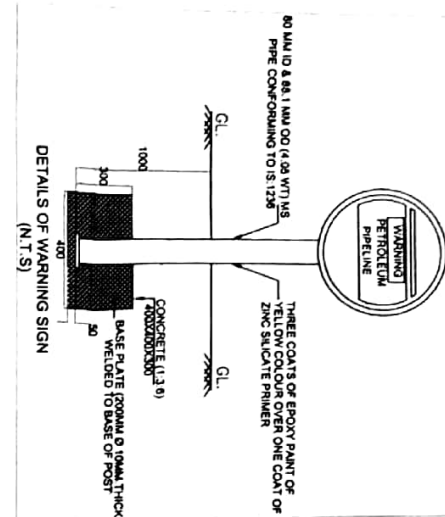
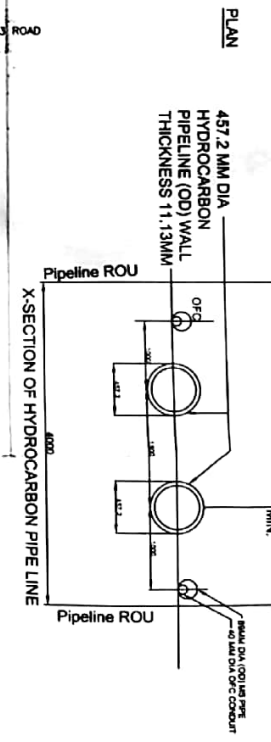
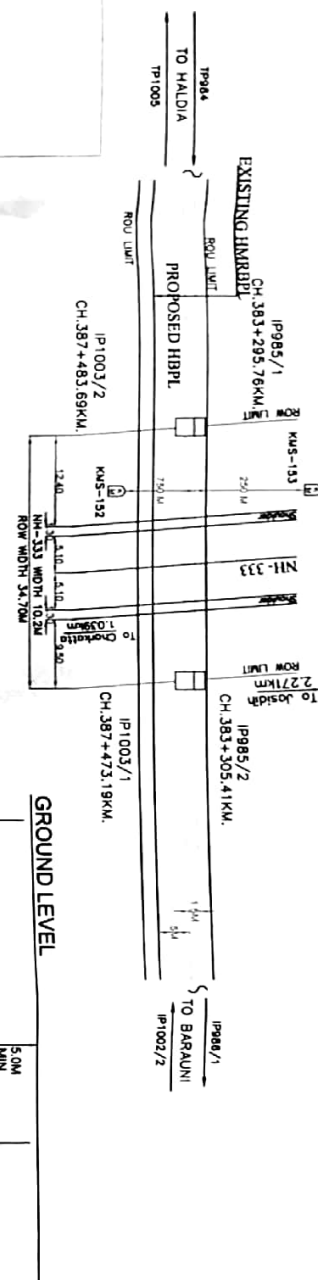
FORM 505 VIR 1-000	DWG NO SUPP00LA-RFP-UCS-360	REV
		02



NAME OF CROSSING	VILLAGE	DISTRICT	STATE	CROSSING CHAINAGE IN METRES
NH - 333	THANA	DEOCHAR	JHARKHAND	AT CH. 38,330.0, 39.9 & 38,747.9, 65M

GROUND PROFILE

NH-333, NH CH- 152.75, Pipeline CH - 383+300.39



Sr. NO.	PARTICULARS	DETAILS
1	Origin-Destination	Cherkote-Jodhpur
2	Road Name	NH-333
3	As Per Authority	CH-152.75KM
4	Nearest TP or IP	IP985/1 & IP985/2
5	a) Before Crossing	IP1003/1 & IP1003/2
6	b) After Crossing	(65) 98°
7	Crossing Angle	(65) 98°
8	ROW Width of Crossing in 'm'	9.65M 3.4' - 14' 11"
9	Crossing Control Point	E 462296.2971 N 2712294.6062 E 462294.9310 N 2712296.0573

NOTES -
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. ALL LEVELS ARE WITH RESPECT TO MSL.
3. ALL LEVELS ARE WITH RESPECT TO MSL.
4. ALL LEVELS ARE WITH RESPECT TO MSL.

DIGANTA MEDHI
Project Engineer
IOCL, PHDPL, Durgapur

SUBRATA DUBEY
Chief Const. Manager
IOCL, PHDPL, Durgapur

NAME OF CROSSING	VILLAGE	DISTRICT	STATE	CROSSING CHAINAGE IN METRES
NH - 333	THANA	DEOGHAR	JHARKHAND	AT CH. 383300.39M & 387479.08M

JOB NO.	DWG. TITLE	SECTION	DETAILS OF	DATE
100	NH-333 CROSSING AT CH. 383300.39M & 387479.08M	HALDIA TO BARAUNI PIPE LINE	HALDIA TO BARAUNI PIPE LINE	2019/11/19

CHECK - LIST

Guidelines for Project Directors/ EE NH Division for processing the proposal for laying of Hydrocarbon pipeline & OFC in the land along National Highways vested with NHAI.

Relevant circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P/88/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III-P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003/S&R (B) dated 17.09.2003
- 8) Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016

Check list for getting approval for laying of Hydrocarbon pipeline along with OFC on NH land.

S.NO	Item	Information/Status	Remarks
1	General Information	The said Haldia-Barauni Hydrocarbon project will initiate from Haldia and terminate at Barauni. The pipeline will primarily feed hydrocarbon to Barauni refinery at Bihar. The proposed Pipeline will cross NH-333 ROW at CH-152.75 km in the State of Jharkhand, which comes under your jurisdiction. The twin 18" pipeline at this crossing will be laid at a minimum depth of 5.0 mtr. below the road surface, by Horizontal Directional Drilling method (HDD), along with 3.5" dia ofc MS carrier pipe each.	
1.1	Name and Address of the Applicant/Agency	Indian Oil Corporation Limited, Pipelines Division, "The Legend", 2nd and 3rd Floor, Sahid Khudiram Sarani, City Centre, Durgapur 713216, W.B.	
1.2	National Highway Number	NH -333	
1.3	State	Jharkhand	
1.4	Location	Near Gangti village, Deoghar Police Station of the Deoghar District	
1.5	(Chainage in km)	NH-333 Chainage: 152.75 Km	
1.6	Length in Meters	Total crossing length-100 M	104.70 m
1.7	Width of available ROW	34.70 M	
	(a) Left side from center line towards increasing chainage/km direction	18.80 M	
	(b) Right side from center line towards increasing chainage/ km direction	15.90 M	
1.8	Proposal to lay underground Liquified Petroleum Hydrocarbon Pipeline along with OFC	Pipeline will be laid across NH at this location.	
	(a) Left side from center line towards increasing chainage/km direction.	N/A	
	(b) Right side from center line towards increasing chainage/km direction.	N/A	
1.9	Proposal to acquire land	No NH land will be acquired for pipeline laying.	
	(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	NA	
	If not then where to lay the cable.	NA	
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 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	Presently Nil	
1.14	Service road existing or not	NO	
	If yes then which side	NA	
	(a) Left side from centre line	NA	
	(b) Right side from centre line	NA	

DIGANTA MEDHI
Project Engineer
Indian Oil Corp. Ltd., Pipelines Div.
Construction Office, Durgapur

Executive Engineer
National Highway Division,
Deoghar

SUBRATA DUBEY
Chief Const. Manager
IOCL, PHDPL, Durgapur


1.15	Proposed service road	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Hydrocarbon pipeline is after the service road or between the service road and main carriageway	Across service road and main carriageway	
1.17	Whether carrying of sewage / Hydrocarbon pipeline has been proposed on highway bridges. If yes, then mention the methodology proposed for the same.	NO	
1.18	Whether carrying of sewage / Hydrocarbon pipeline has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	NO	
1.18	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 expenses of the agency owning the line	Crossing will be done by HDD method	
	(a) Whether existing drainage structures are allowed to carry sewage / Hydrocarbon pipeline	N/A	
	(b) Is it on a line normal to NH	(N/A) No, 98°	
	(c) What is the distance of crossing the sewage/Hydrocarbon pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	(N/A) no existing structures	
	(d) The casing pipe (or conduit pipe in the case of electric / OFC 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.	(N/A) Yes, agreed	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	(N/A) Yes, agreed	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	(N/A) Yes, agreed	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	(N/A) Yes, agreed	
	(h) Mention the methodology proposed for crossing of road for the proposed sewage / Hydrocarbon pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD	DIGANTA MEDHI Project Engineer Indian Oil Corp. Ltd., Pipelines Div. Construction Office, Durgapur
	(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.	(N/A) Yes, agreed	
2	Document / Drawings to be enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)	N/A	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	N/A	
	(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.	N/A	
	(iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	NA	

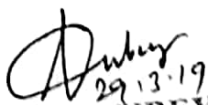
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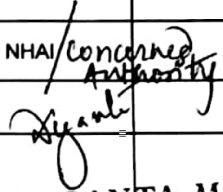
Executive Engineer
National Highway Division,
Deoghar

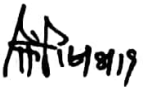
29.3.19
SUBRATA DUBEY
Chief Const. Manager
IOCL, PHDPL, Durgapur

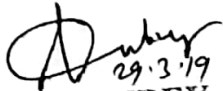
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	NA	
2.2	Cross section showing the size of pit and location of pipe for HDD method.	Attached	
2.3	Strip plan / Route Plan showing Hydrocarbon pipe line, Chainage, width of ROW, distance of proposed Hydrocarbon pipeline with OFC from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for laying of Hydrocarbon pipe line.	HDD	
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 of trench.	N/A	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.	NA	
	(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.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for laying of Hydrocarbon Pipe Line through CD works and method of laying. In cases where the carrying of Hydrocarbon pipeline on the bridge becomes inescapable.	N/A	
3	Draft License Agreement signed by two witnesses	Attached	


 Executive Engineer
 National Highway Division,
 Deoghar


 29.13.19
 SUBRATA DUBEY
 Chief Const. Manager
 IOCL, PHDPL, Durgapur

4	Performance Bank Guarantee		
4.1	Performance Bank Guarantee as per latest Ministry's Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 to be obtained @ Rs 250/- per meter for pipelines having dia in between 300 mm to 1000 mm 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	Indian Oil Corporation Limited will Pay Bank Guarantee as intimated by NHAI.	
4.2	Confirmation of BG has been obtained or not as per NHAI guidelines	Will be submitted as intimated by NHAI/ <i>concerned Authority</i>	
5	Affidavit / Undertaking from the Applicant for the following is to be furnished.		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency	 DIGANTA MEDHI Project Engineer Indian Oil Corp. Ltd., Pipelines Div. Construction Office, Durgapur	
5.2	For Renewal of Bank Guarantee		
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline		
5.4	For Shifting of Hydrocarbon pipe line as and when required by NHAI at their own cost		
5.5	For Shifting of Hydrocarbon pipeline due to 6 lanning / widening of NH		
5.6	For Indemnity against all damages and claims		
5.7	For Traffic movement during laying of Hydrocarbon pipe line to be managed by the applicant.		
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.		
5.9	Prior approval of the NHAI/NH Division shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the Hydrocarbon pipe line/any other utility located in the National Highway right-of-ways.	Affidavit is done mentioning all these clauses/stipulations	
5.10	Expenditure, if any, incurred by NHAI/ NH Division for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Hydrocarbon pipe line will be borne by the applicant agency owning the line.		
5.11	If the NHAI/ NH Division considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.		
5.12	Certificate from the applicant in the following format		
	(i) Laying of Hydrocarbon pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Certificate is made as stated	
	(ii) "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI/ NH Division" for future six-lanning or any other development."		


Executive Engineer
National Highway Division,
Deoghar


29.3.19
SUBRATA DUBEY
Chief Const. Manager
IOCL, PHDPL, Durgapur

6	Who will sign the agreement on behalf of Hydrocarbon pipe line agency?	Shri. Subrata Dubey , Chief Construction Manager, Indian Oil Corporation Limited, Pipelines Division, Construction Office, Durgapur, "The Legend", 2nd and 3rd Floor, Sahid Khudiram Sarani, City Centre, Durgapur 713216, W.B.	
6.1	Power of Attorney to sign the agreement is available or not	Attached	
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. NH-III /P /66 /76 dated 18/10.11.1976, RW/NH-III/P/66/76 dated 11.5.1982, RW/NH-11037/1/86/DOI (II) dated 28.7.1993, RW/NH-11037/1/86/DOI dated 19.1.1995, RW/NH-34066/2/95/S&R dated 25.10.1999, RW/NH-34066/7/2003 S&R (B) dated 17.9.2003 and Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	Certificate enclosed	
7.2	Certificate from PD/ EE, NH Division in the following format		
	(i) " It is certified that any other location of the Hydrocarbon pipeline would be extremely difficult and unreasonable costly and the installation of Hydrocarbon pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".	Certificate enclosed	
	(ii) for 6-laning		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structure at the said location".	Certificate enclosed	
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	Certificate enclosed	
9	Who will supervise the work of laying of Hydrocarbon pipe line		
	(a) On behalf of the Applicant	Indian Oil Corporation Limited	
	(b) On behalf of NHAI/ NH Division	Will be decided by NHAI/ NH division	
10	Who will ensure that the defects in road portion after laying of Hydrocarbon Pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	Indian Oil Corporation Limited	
	(b) On behalf of NHAI/ NH division	Will be decided by NHAI/ NH division	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?		
	On behalf of the Applicant	Indian Oil Corporation Limited	
12	A certificate from PD/ EE, NH Division that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Enclosed	
13	If any previous approval is accorded for laying of underground Hydrocarbon pipeline then Photocopy of register of records of permissions accorded as maintained by PD/ EE, NH Division then copy be enclosed	NA	

Project Director
National Highway Authority of India

Executive Engineer
NH Division Deoghar

Executive Engineer
National Highway Division,
Deoghar

29.3.19
SUBRATA DUBEY
Chief Const. Manager
IOCL, PHDPL, Durgapur

DIGANTA MEDHI
Project Engineer
Indian Oil Corp. Ltd., Pipelines Div.
Construction Office, Durgapur