



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
क्षेत्रीय कार्यालय : एफ-120, जनपथ, श्याम नगर, जयपुर-302019
Regional Office : F-120, Janpath, Shyam Nagar, Jaipur-302019
Tel. (O) / फोन : (ऑ.) 0141-2292056, 2292049
E-mail / ई-मेल : rojaipur@nhai.org Web. / वेब : www.nhai.gov.in



No.: NHAI/18013/1/2021-ROJ/Permission-Crossing-IOCL Pipeline/182/NH-458, km 77.880/2254 Date: 26.10.2022

INVITATION OF PUBLIC COMMENTS

- Sub.: Proposal for grant of permission for laying of proposed 36" dia (Carbon Steel Pipeline) along with OFC conduit (89 mm dia MS casing) across NH-458 (Degana-Sanju road) at Km. 77.880, Village-Chosali, Tehsil-Sanju, Distt-Nagaur for Mundra-Panipat Crude Oil Pipeline of M/s. IOCL - reg.
- Ref.: (i) M/s. IOCL, Sikar letter no. IOCL/New MPPL/SKR/101 dated 09.09.2022.
(ii) PD, PIU-Ajmer letter no. NHAI/Ajm/458/NJ-MC/Access/Utility-Crude Oil Pipeline/13768 dated 26.09.2022 (received on 06.10.2022).

Sir,

It is to inform all concern that M/s. IOCL, Sikar vide letter under reference (i) has submitted a proposal for the subjected work and PD, NHAI, PIU, Ajmer has submitted the above proposal vide letter under reference (ii) for approval of the Competent Authority, Highway Administration.

- The proposal is regarding grant of permission for laying of proposed 36" dia (Carbon Steel Pipeline) along with OFC conduit (89 mm dia MS casing) across NH-458 (Degana-Sanju road) at Km. 77.880, Village-Chosali, Tehsil-Sanju, Distt-Nagaur for Mundra-Panipat Crude Oil Pipeline of M/s. IOCL.
- As per Para-4 of Ministry's Circular No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016, the Highway Administration 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).
- In view of the above, before approval of the competent authority, the comments/objections of affected public is hereby invited with reference to the Ministry's circular dated 22.11.2016 due to Laying & Crossing of 36" Dia IOCL Crude Oil Pipeline on the subjected stretch. The objections/comments may be addressed to the below mentioned address upto 26.11.2022, beyond due date, no comments/objections will be accepted.

The Regional Officer, Regional Office - Jaipur
National Highways Authority of India,
F-120, Janpath, Shyam Nagar, Jaipur (Raj.)-302019,
Tel : 0141-2292049, 2292054 Email : rojaipur@nhai.org

This issues with the approval of Highway Administration-cum Regional Officer, NHAI, Jaipur

Yours faithfully,

(Subhash Janu)
General Manager (Tech.)

- Copy to: (i) Web Admn., NHAI, HQ, New Delhi - for uploading in NHAI's website [web-admin@nhai.org]
(ii) Director, NIC, New Delhi - for uploading in Ministry's website. [mansoor@nic.in]
(iii) PD, PIU-Ajmer: for information.
(iv) M/s. IOCL, Sikar: for information.



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
(Ministry of Road Transport & Highways, Government of India)

परियोजना कार्यान्वयन इकाई, अजमेर
मकान नम्बर-104, आदर्श नगर, अजमेर (राज.) 305001

Project Implementation Unit, Ajmer
House No.-104, Adarsh Nagar, Ajmer (Raj.) 305001

Ph. No. : 0145-2680571, E-mail / ई-मेल : ajmer@nhai.org, Web. / वेब : www.nhai.gov.in



UPC: N/08039/01001/RJ

No. NHAI/Ajm/458/NJ-MC/Access-Crude Oil Pipeline/13768

मुख्य महाप्रबंधक (तक.) सह क्षेत्रीय अधिकारी

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,

क्षेत्रीय कार्यालय,

एफ-120, जनपथ, श्याम नगर

जयपुर-302019



Date: 26.09.2022

Handwritten signature and initials: MCT-MK, S. K. Singh, 27/9

Sub.: Request for crossing permission for laying of proposed 36"Ø (Carbon Steel Pipeline) along with OFC conduit (89 mm dia. MS casing) across NH-458 (Degana-Sanju) at 77.880 Km, Village-Chosali, Tehsil-Sanju, Distt.-Nagaur for Mundra-Panipat Crude Oil Pipeline - reg.

Ref.: (1) M/s. IOCL, Sikar letter no. IOCL/New MPPL/SKR/101 dated 09.09.2022 (received in this office on 12.09.2022)
(2) This office letter no. NHAI/Ajm/458/NJ-MC/Access-Crude Oil Pipeline/13709 dated 13.09.2022
(3) This office e-mail dated 14.09.2022
(4) IOCL, Sikar e-mail dated 14.09.2022
(5) Supervision Consultant letter no. SC/NHAI/O&M/L-N-J/2022/387 dated 14.09.2022

Sir,

This is in reference to M/s. IOCL, Sikar letter dated 09.09.2022 (**Annex-1**) vide which the proposal for crossing permission for laying of proposed 36"Ø (Carbon Steel Pipeline) along with OFC conduit (89 mm dia. MS casing) across NH-458 (Degana-Sanju) at 77.880 Km, Village - Chosali, Tehsil - Sanju, Distt. - Nagaur for Mundra-Panipat Crude Oil Pipeline in the state of Rajasthan has been submitted to this office for seeking permission of the same.

The same has been forwarded to Supervision Consultant M/s. MSV International INC. in association with M/s. Jaiman Construction and Consultation LLP vide this office letter dated 13.09.2022 (**Annex-2**) for examine and comments/recommendations as per prevailing site condition in light of the Ministry's guidelines issued vide letter dated 22.11.2016 and further letter dated 16.03.2017.

Meanwhile, the proposal has been broadly examined in this office and this office vide e-mail dated 14.09.2022 (**Annex-3**) has sought comments/clarifications on the following points:-

- The applicant, has submitted that pipeline shall be laid at a depth of 15 mtr. below the ground/underground and the MoRTH guidelines states that crossing shall be done using conduit/casing pipe only. However, the applicant has not made any provision for conduit/casing pipe in application. It is requested to kindly comment on the above.
- The Undertakings submitted are on plain paper which should be submitted on Non-judicial Stamp Paper.

In this context, M/s. IOCL, Sikar vide their e-mail dated 14.09.2022 (**Annex-4**) has submitted reply/clarification as under:-

- As per signed MOU between IOCL and NHAI, para 2 (a) IOCL while laying new Gas Pipeline across already constructed National Highway will adopt Trenchless method throughout National Highway land (Right of Way) with the depth of topmost point of pipeline being at least 1.5 m below ground level / bottom of any national Highway structure/ facility. As per our standard crossing drawing through HDD method, the Pipeline shall be at minimum 15 m depth from the NH 458 road.

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2. In HDD technique use of casing pipe is not required as the hole drilled for installation of carrier pipe is kept stable due to presence of drilling fluid (bentonite) under pressure and the drill pipe being always present in the hole.
3. The HDD methodology is the safest method to cross the Highways, railways, River, water bodies and any other structure. This is proven technology which is widely used across oil industry without casing conduit for crossing the Highways, railways, River, water bodies and any other structures.
4. With HDD method pipe can be installed at much greater depth as compared to Cased Crossing method and the success rate of this method is much higher than cased crossing method.
5. The carbon steel pipes that will be used will be of higher wall thickness (around 13 mm) which will have sufficient strength to bear load and thus pipe will not get damaged due to traffic movement on National Highway 458.
6. The proposed 36 inch diameter CS pipeline also confirms to API 5L X-70 grade standard.
7. NHAI Bhiwani has also considered IOCL's New MPPL 36" Dia crossing proposal across NH 152D in district Rohtak (Haryana) by HDD crossing method.
8. We will submit all undertakings on Non-judicial Stamp Paper after receiving Demand note from NHAI.

Supervision Consultant M/s. MSV International INC. has also examined the said proposal as per prevailing site condition in light of the Ministry's guidelines dated 22.11.2016 & 16.03.2017 and accordingly submitted its comments/recommendations duly signed & sealed on each page of checklist, Layout Plan, Key Plan along with Inspection Certificate vide letter dated 14.09.2022 (**Annex-5**) to accord In-Principle approval of the same.

It is pertinent to mentioned here that, as per MOU, NHAI shall not levy any charges from IOCL and its agencies for laying new gas/petroleum pipeline(s) along or across National Highway in National Highways Right of Way and only obtain Performance Security from IOCL before issuance of permission for laying its pipelines, for which Applicant has agreed to submit the same at the time of permission.

The proposal has further been examined by this office and same is found to be in order as per Ministry's guidelines dated 22.11.2016 & 16.03.2017 as well as MOU signed between IOCL & NHAI on dated 08.06.2022.

In view of above, the proposal is submitted duly signed and sealed on each pages of Checklist & Drawings with the recommendations of this office to accord "In-Principle" approval for the subject work.

Encl.: 2 copies of proposal

भवदीय
(Handwritten signature)
(ए.के. खण्डेलवाल)
महाप्रबंधक (तक.) / परियोजना निदेशक


Copy to: Authorized Signatory, M/s. IOCL, Sikar; for information please.

INDEX

**Check list for getting approval for laying of Crude Oil pipeline across -
NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur**

Government of India Guidelines GR No. RW/NH-33044/29/2015/S&R(R) Dtd. 22.11.2016

Sr. No.	Item	Information / Status	Remarks
1	Check List	Enclosed	
2	Annexure A	Enclosed	
3	Annexure B	Enclosed	
4	Annexure C	Enclosed	
5	Annexure 2	Enclosed	
6	Methodology for laying of Crude Oil pipeline	Enclosed	Methodology.
7	Not to Damage to other utility, if damaged then to pay the losses either to MoRTH or to the concerned agency	Enclosed	Undertaking No.1
8	Renewal of Bank Guarantee and Licensee Fee	Enclosed	Undertaking No.2
9	Confirming all standard condition of MoRTH guideline	Enclosed	Undertaking No.3
10	Shifting of Crude Oil Pipeline as and when required by MoRTH at their own cost	Enclosed	Undertaking No.4
11	Shifting due to 2/4/6 lanning / widening of NH	Enclosed	Undertaking No.5
12	Indemnity against all damages and claims clause (xxiv)	Enclosed	Undertaking No.6
13	Traffic movement during laying of Crude Oil pipeline to be managed by the applicant	Enclosed	Undertaking No.7
14	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Enclosed	Undertaking No.8
15	Prior approval of the MoRTH shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing Crude Oil Pipeline located in the National Highway right-of-ways.	Enclosed	Undertaking No.9
16	Expenditure, if any, incurred by MoRTH for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Crude Oil Pipeline will be borne by the agency owning the line.	Enclosed (रावी सोलंकी) (Ravi Solanki) निर्माण प्रबंधक / Construction Manager इंडियन ऑयल कॉर्पोरेशन लिमिटेड (प्रादेशिक विभाग) INDIAN OIL CORPORATION LIMITED (Regional Division) न्यू मुद्रा-मण्डल, नया मुद्रा-मण्डल, नया मुद्रा-मण्डल New Mudra-Mandal, New Mudra-Mandal, New Mudra-Mandal आर.के. टॉवर, प्लॉट नं. 359, 360-A R. K. Tower, Plot No. 359, 360-A	Undertaking No.10

17	If the MoRTH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	Undertaking No.11
18	Certificate from the applicant in the following format	Enclosed	Undertaking No.12
	(i) Laying of Crude Oil Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.		
	(ii) For 2/4/6 – lanning “We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by MoRTH” for future four – lanning or any other development.”		
19	Undertaking for furnishing of performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government Of India Guidelines.	Enclosed	Undertaking No.13
20	Licensee Fee Payment Licensee fee to MoRTH as per GOI, MORTH Guidelines No RW/NH-33044/29/2015/S&(R) on Dated-22 nd Nov 2016.	Enclosed	Undertaking No.14
21	If it is found at any stage that laying/crossing work is not carried out as per approved proposal and MORT&H guidelines/norms mentioned in MORT&H circular No. R W/NH-33044/29/2015/S&R[R] dated 22.11.2016 then the applicant agency will rectify/redo the work as approved at its own risk & cost	Enclosed	Undertaking No.15
22	Undertaking	Enclosed	 (Rajiv Solanki) (Rajiv Solanki) निर्माण प्रबन्धक / Construction Manager इंडियन ऑयल कॉर्पोरेशन लिमिटेड (पाइपलाइन प्रभाग) INDIAN OIL CORPORATION LIMITED (Pipeline Division) न्यू मुंद्रा-पानीपत पाइपलाइन प्रोजेक्ट New Mundra - Panipat Pipeline Project आर.के.टी. नं. 1/2015/2016
23	Draft Licensee Agreement	Enclosed	
24	Cross Section showing the size of pit and location of cable/Crude Oil line for Digging Trench method	Enclosed	
25	Central Government GR From Road Transport & Highways (MoRTH)	Enclosed	Trench Cross Section Drawing
26	Power of Attorney (IOCL)	Enclosed	
27	Strip plan / Route plan showing Crude Oil pipeline, Chainage, width of ROW,	Enclosed	

CHECKLIST

**Check list for getting approval for laying of Crude Oil pipeline across -
NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur**


Sr. No.	Item	Information / Status	COMMENTS
1	General Information	Crude Oil Pipeline from Mundra to Panipat	
1.1	Name and Address of the Applicant / Agency	Indian Oil Corporation Limited Pipeline Division, New Mundra-Panipat Pipeline Project R.K Tower, Plot No 359, 360-A, 360-B, Polo Ground, Sikar-332001 (Raj.)	
1.2	National Highway Number	NH-458	
1.3	State	Rajasthan	
1.4	Location	NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur 40 mm HDPE conduit will be laid in the same trench inside 89 mm MS conduit for OFC along with Crude Oil Pipeline to implement Supervisory Control & Data Acquisition System (SCADA) for Safety & Real time monitoring of Crude Oil Pipeline.	
1.5	(Chainage in Km)	NH -458(Degana – Sanju) at 77.880 KM	
1.6	Length in Meters	NH-458 (45 M)	
1.7	Width of available ROW	NH -458(Degana – Sanju) at 77.880 KM	
	(a) Left side from center line towards increasing chainage / km direction	@ NH-458 CH. 77.880 – 22.5 M	
	(b) Right side from center line towards increasing chainage / km direction	@ NH-458 CH. 77.880 – 22.5 M	
1.8	Proposal to lay underground Crude Oil pipeline	Yes For Across	Project Director National Highways Authority of India
	(a) Left side from center line towards increasing chainage / km direction	@ NH-458 CH. 77.880 – 22.5 M	PIU, Ajmer (Raj.)
	(b) Right side from center line towards increasing chainage / km direction	@ NH-458 CH. 77.880 – 22.5 M	<i>tm</i>
1.9	Proposal to acquire Land	Not Applicable	(रवि सोलंकी)
	(a) Left side from center line	Not Applicable	(Ravi Solanki)
	(b) Right side from center line	Not Applicable	Section Manager PIU, Ajmer (Raj.)
1.10	Whether proposal is in the same	Not Applicable	Section Manager PIU, Ajmer (Raj.)



Manager (Tech.)
National Highways Authority of India
PIU, Ajmer (Raj.)

New Mundra - Panipat Pipeline Project
R. K. Tower, Plot No. 359, 360-A, 360-B, Polo Ground, Sikar (Raj.) 332001

	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	Not Applicable	
1.12	Number of lanes (2/4/6/8 lanes) existing	2 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Not Applicable	
1.14	Service Road existing or not	Not Existing	
	If yes then which side	-	
	(a) Left side from center line	No	
	(b) Right side from center line	No	
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 Crude Oil pipeline is after the service road or between the service road and main carriageway	Not Applicable	
1.17	The permission for laying of Crude Oil pipeline shall be considered for approval / rejection based on the Ministry Circulars as per Govt. Of India, MORTH guidelines RW/NH-33044/29/2015/S&(R) on Dated - 22 nd Nov 2016.	Yes , Agreed	
	(a) Carrying of sewage / Crude Oil pipelines on highway bridges shall not be permitted as Fumes / Crude Oil pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Crude Oil.	For Crude Oil pipeline underground	
	(b) Carrying of Crude Oil pipelines on bridges shall not be discouraged. However, if the Crude Oil authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a	N.A	<p>Project Director National Highways Authority of India PIU, Ajmer (Raj.)</p> <p>(रवि सोलंकी) (Ravi Solanki) निर्माण प्रमोटर / Construction Manager इंडियन ऑयल कॉर्पोरेशन लिमिटेड (आइओएल लि.) INDIAN OIL CORPORATION LIMITED (I.O.C. Division) नया मुंबई-सांख्यिकीय तालुका नई दिल्ली-सांख्यिकीय तालुका New Mumbai, Sakinaka Taluqa New Delhi, Sakinaka Taluqa R.K. Bhandari, Ajmer, 2016-17</p> <p>MSV IN ASSOCIATION WITH TAIMAN</p>

Manager (Tech.)
National Highways Authority of India
PIU, Ajmer (Raj.)

	manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.		
	(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.	N.A	
	(d) Services are not being allowed indiscriminately on the parapet / any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.	N.A	
1.18	The maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee as per the agreement.	Yes.	
1.19	If crossings of the road involved it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	Yes , Agreed	Laying by 36 inch diameter CS Conforming to API 5L X-70 Grade carrier Pipe across NHs shall be done by HDD/SHDD.
	(a) Existing drainage structures shall not be allowed to carry the lines.	Not Applicable	Project Director National Highways Authority of India Piu, Ajmer (Raj.)
	(b) The utility services shall cross the National Highway preferably on a line normal to it or as nearly show as practicable. Indian Oil Corporation Limited shall be permitted to cross the National Highway either through structure or conduits specially built for that		th  (रवि सोलंकी) (Ravi Solanki) निर्माण प्रबंधक / Construction Manager इंडियन ऑयल कॉर्पोरेशन लिमिटेड, राजस्थान (आगरा) INDIAN OIL CORP. (Rajasthan) (Agera) न्यू यूरॉप-जाम्बीया पाइपलाइन प्रोजेक्ट New Europe-Jambi Pipeline Project आर.के. टॉवर, प्लॉट नं. 35B, 2मं. R.K. Tower, Plot No. 35B, 2nd

	purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.	Not Applicable	
	(c) The carrier / conduit pipe may be installed under the route embankment either by boring. Installation by boring method shall prefer.	Not Applicable	
	(d) The carrier pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	Yes , Agreed	
	(e) Ends of the carrier / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes , Agreed	
	(f) The carrier / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Yes, agreed.	
	(g) The top of the carrier / conduit pipe should be at least 5.0 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts.	Yes, agreed.	Project Director National Highways Authority of India Piu. Ajmer (Raj.)
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, agreed.	 (रवि सोलंकी) (Ravi Solanki) Construction Manager निर्माण प्रबन्धक / निर्माण प्रबन्धक इंडियन ऑयल कॉर्पोरेशन लिमिटेड (इंडियन ऑयल लिमिटेड) INDIAN OIL CORPORATION LIMITED (INDIAN OIL LIMITED) न्यू मुम्बई, महाराष्ट्र New Mumbai, Maharashtra आर.के. ३०१, ३०२, ३०३, ३०४, ३०५, ३०६, ३०७, ३०८, ३०९, ३१०, ३११, ३१२, ३१३, ३१४, ३१५, ३१६, ३१७, ३१८, ३१९, ३२०, ३२१, ३२२, ३२३, ३२४, ३२५, ३२६, ३२७, ३२८, ३२९, ३३०, ३३१, ३३२, ३३३, ३३४, ३३५, ३३६, ३३७, ३३८, ३३९, ३४०, ३४१, ३४२, ३४३, ३४४, ३४५, ३४६, ३४७, ३४८, ३४९, ३५०, ३५१, ३५२, ३५३, ३५४, ३५५, ३५६, ३५७, ३५८, ३५९, ३६०, ३६१, ३६२, ३६३, ३६४, ३६५, ३६६, ३६७, ३६८, ३६९, ३७०, ३७१, ३७२, ३७३, ३७४, ३७५, ३७६, ३७७, ३७८, ३७९, ३८०, ३८१, ३८२, ३८३, ३८४, ३८५, ३८६, ३८७, ३८८, ३८९, ३९०, ३९१, ३९२, ३९३, ३९४, ३९५, ३९६, ३९७, ३९८, ३९९, ४००, ४०१, ४०२, ४०३, ४०४, ४०५, ४०६, ४०७, ४०८, ४०९, ४१०, ४११, ४१२, ४१३, ४१४, ४१५, ४१६, ४१७, ४१८, ४१९, ४२०, ४२१, ४२२, ४२३, ४२४, ४२५, ४२६, ४२७, ४२८, ४२९, ४३०, ४३१, ४३२, ४३३, ४३४, ४३५, ४३६, ४३७, ४३८, ४३९, ४४०, ४४१, ४४२, ४४३, ४४४, ४४५, ४४६, ४४७, ४४८, ४४९, ४५०, ४५१, ४५२, ४५३, ४५४, ४५५, ४५६, ४५७, ४५८, ४५९, ४६०, ४६१, ४६२, ४६३, ४६४, ४६५, ४६६, ४६७, ४६८, ४६९, ४७०, ४७१, ४७२, ४७३, ४७४, ४७५, ४७६, ४७७, ४७८, ४७९, ४८०, ४८१, ४८२, ४८३, ४८४, ४८५, ४८६, ४८७, ४८८, ४८९, ४९०, ४९१, ४९२, ४९३, ४९४, ४९५, ४९६, ४९७, ४९८, ४९९, ५००, ५०१, ५०२, ५०३, ५०४, ५०५, ५०६, ५०७, ५०८, ५०९, ५१०, ५११, ५१२, ५१३, ५१४, ५१५, ५१६, ५१७, ५१८, ५१९, ५२०, ५२१, ५२२, ५२३, ५२४, ५२५, ५२६, ५२७, ५२८, ५२९, ५३०, ५३१, ५३२, ५३३, ५३४, ५३५, ५३६, ५३७, ५३८, ५३९, ५४०, ५४१, ५४२, ५४३, ५४४, ५४५, ५४६, ५४७, ५४८, ५४९, ५५०, ५५१, ५५२, ५५३, ५५४, ५५५, ५५६, ५५७, ५५८, ५५९, ५६०, ५६१, ५६२, ५६३, ५६४, ५६५, ५६६, ५६७, ५६८, ५६९, ५७०, ५७१, ५७२, ५७३, ५७४, ५७५, ५७६, ५७७, ५७८, ५७९, ५८०, ५८१, ५८२, ५८३, ५८४, ५८५, ५८६, ५८७, ५८८, ५८९, ५९०, ५९१, ५९२, ५९३, ५९४, ५९५, ५९६, ५९७, ५९८, ५९९, ६००, ६०१, ६०२, ६०३, ६०४, ६०५, ६०६, ६०७, ६०८, ६०९, ६१०, ६११, ६१२, ६१३, ६१४, ६१५, ६१६, ६१७, ६१८, ६१९, ६२०, ६२१, ६२२, ६२३, ६२४, ६२५, ६२६, ६२७, ६२८, ६२९, ६३०, ६३१, ६३२, ६३३, ६३४, ६३५, ६३६, ६३७, ६३८, ६३९, ६४०, ६४१, ६४२, ६४३, ६४४, ६४५, ६४६, ६४७, ६४८, ६४९, ६५०, ६५१, ६५२, ६५३, ६५४, ६५५, ६५६, ६५७, ६५८, ६५९, ६६०, ६६१, ६६२, ६६३, ६६४, ६६५, ६६६, ६६७, ६६८, ६६९, ६७०, ६७१, ६७२, ६७३, ६७४, ६७५, ६७६, ६७७, ६७८, ६७९, ६८०, ६८१, ६८२, ६८३, ६८४, ६८५, ६८६, ६८७, ६८८, ६८९, ६९०, ६९१, ६९२, ६९३, ६९४, ६९५, ६९६, ६९७, ६९८, ६९९, ७००, ७०१, ७०२, ७०३, ७०४, ७०५, ७०६, ७०७, ७०८, ७०९, ७१०, ७११, ७१२, ७१३, ७१४, ७१५, ७१६, ७१७, ७१८, ७१९, ७२०, ७२१, ७२२, ७२३, ७२४, ७२५, ७२६, ७२७, ७२८, ७२९, ७३०, ७३१, ७३२, ७३३, ७३४, ७३५, ७३६, ७३७, ७३८, ७३९, ७४०, ७४१, ७४२, ७४३, ७४४, ७४५, ७४६, ७४७, ७४८, ७४९, ७५०, ७५१, ७५२, ७५३, ७५४, ७५५, ७५६, ७५७, ७५८, ७५९, ७६०, ७६१, ७६२, ७६३, ७६४, ७६५, ७६६, ७६७, ७६८, ७६९, ७७०, ७७१, ७७२, ७७३, ७७४, ७७५, ७७६, ७७७, ७७८, ७७९, ७८०, ७८१, ७८२, ७८३, ७८४, ७८५, ७८६, ७८७, ७८८, ७८९, ७९०, ७९१, ७९२, ७९३, ७९४, ७९५, ७९६, ७९७, ७९८, ७९९, ८००, ८०१, ८०२, ८०३, ८०४, ८०५, ८०६, ८०७, ८०८, ८०९, ८१०, ८११, ८१२, ८१३, ८१४, ८१५, ८१६, ८१७, ८१८, ८१९, ८२०, ८२१, ८२२, ८२३, ८२४, ८२५, ८२६, ८२७, ८२८, ८२९, ८३०, ८३१, ८३२, ८३३, ८३४, ८३५, ८३६, ८३७, ८३८, ८३९, ८४०, ८४१, ८४२, ८४३, ८४४, ८४५, ८४६, ८४७, ८४८, ८४९, ८५०, ८५१, ८५२, ८५३, ८५४, ८५५, ८५६, ८५७, ८५८, ८५९, ८६०, ८६१, ८६२, ८६३, ८६४, ८६५, ८६६, ८६७, ८६८, ८६९, ८७०, ८७१, ८७२, ८७३, ८७४, ८७५, ८७६, ८७७, ८७८, ८७९, ८८०, ८८१, ८८२, ८८३, ८८४, ८८५, ८८६, ८८७, ८८८, ८८९, ८९०, ८९१, ८९२, ८९३, ८९४, ८९५, ८९६, ८९७, ८९८, ८९९, ९००, ९०१, ९०२, ९०३, ९०४, ९०५, ९०६, ९०७, ९०८, ९०९, ९१०, ९११, ९१२, ९१३, ९१४, ९१५, ९१६, ९१७, ९१८, ९१९, ९२०, ९२१, ९२२, ९२३, ९२४, ९२५, ९२६, ९२७, ९२८, ९२९, ९३०, ९३१, ९३२, ९३३, ९३४, ९३५, ९३६, ९३७, ९३८, ९३९, ९४०, ९४१, ९४२, ९४३, ९४४, ९४५, ९४६, ९४७, ९४८, ९४९, ९५०, ९५१, ९५२, ९५३, ९५४, ९५५, ९५६, ९५७, ९५८, ९५९, ९६०, ९६१, ९६२, ९६३, ९६४, ९६५, ९६६, ९६७, ९६८, ९६९, ९७०, ९७१, ९७२, ९७३, ९७४, ९७५, ९७६, ९७७, ९७८, ९७९, ९८०, ९८१, ९८२, ९८३, ९८४, ९८५, ९८६, ९८७, ९८८, ९८९, ९९०, ९९१, ९९२, ९९३, ९९४, ९९५, ९९६, ९९७, ९९८, ९९९, १०००
	(i) The carrier / 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	Yes, agreed.	 Manager (Tech.) National Highways Authority of India PIU, Ajmer (Raj.)

Manager (Tech.)
National Highways Authority of India
PIU, Ajmer (Raj.)

	along it.		
2	Document / Drawings enclosed with the proposal	Enclosed For Crossing.	
2.1	<p>Cross section showing the size of trench for open trenching method (Is it normal size of 1.25 meter deep X 1 meter wide).</p> <p>(i) Should not be greater than 60 cm wider than the outer diameter of the pipe</p> <p>(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.</p> <p>(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.</p> <p>(iv) These should be so laid that their top is at least 1.2 meter below the ground level so as not to obstruct drainage of the road land.</p>	Enclosed	
2.2	Cross Section showing the size of pit and location of cable/Crude Oil Pipeline for HDD method	Enclosed	
2.3	Strip plan / Route plan showing Crude Oil pipeline, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed detailed route survey drawing	<p>Project Director</p> <p>National Highways Authority of India PIU, Ajmer (Raj.)</p> <p>(रवि सोलंकी) (रिडिंग) Section Manager (असिस्टेंट डिप्टी कमिशनर) (असिस्टेंट डिप्टी कमिशनर)</p>
2.4	Methodology for laying of Crude Oil pipeline	Methodology for laying of Crude Oil Pipeline by HDD/SHDD method is Enclosed.	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench	Not Applicable	



Manager (Tech.)
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	laying	on a line normal to it as nearly as practicable only via HDD/SHDD Method.	
3	Draft License Agreement signed by two witnesses	Draft License Agreement is enclosed duly signed by two witnesses	
4	Performance Bank Guarantee in favour of MoRTH has to be obtained @ Rs.250/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50 meter away from the edge of the right of way. No payment shall be payable by the MoRTH to the licensee for clearing debris / loose earth.	Yes, Agreed. Indian Oil Corporation Limited will submit Performance Bank Guarantee at time of Permission.	
4.1	Performance BG as per above is to be obtained.	Yes	
4.2	Confirmation of BG has been obtained as per MoRTH guidelines	Yes	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to MoRTH or to the concerned agency	Enclosed (Undertaking No. 1)	
5.2	Renewal of Bank Guarantee	Will be done (Undertaking No. 2)	Project Director National Highways Authority of India
5.3	Confirming all standard condition of MORTH guideline	Enclosed (Undertaking No. 3)	PIU, Ajmer (Raj.)
5.4	Shifting of Crude Oil Pipeline as and when required by MoRTH at their own cost	Enclosed (Undertaking No. 4)	<i>tm</i>
5.5	Shifting due to 2/4/6 laining/ widening of NH	Enclosed (Undertaking No. 5)	(रवि सोलंकी) (Ravi Solanki) Construction Manager
5.6	Indemnity against all damages and claims clause (xxiv)	Enclosed (Undertaking No. 6)	निर्माण प्रबन्धक INDIAN OIL CORPORATION LIMITED पेट्रोलियम विभाग राजस्थान, भारत
5.7	Traffic movement during laying of Crude oil pipeline to be managed by the applicant	Enclosed (Undertaking No. 7)	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Enclosed (Undertaking No. 8)	<i>Aug</i> Manager (Tech.) National Highways Authority of India PIU, Ajmer (Raj.)



5.9	Prior approval of the MoRTH shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing Crude oil Pipeline located in the National Highway right-of-ways.	Enclosed (Undertaking No. 9)	
5.10	Expenditure, if any, incurred by MoRTH for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Crude oil Pipeline will be borne by the agency owning the line.	Enclosed (Undertaking No. 10)	
5.11	If the MoRTH 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 MoRTH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed (Undertaking No. 11)	
5.12	Certificate from the applicant in the following format	Enclosed (Undertaking No. 12)	
	(i) Laying of Crude Oil Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.		
	(ii) For 2/4/6 – lanning “We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by MoRTH” for future four – lanning or any other development.”		<p>Project Director National Highways Authority of India P.U. Ajmer (Raj.)</p> <p><i>[Signature]</i></p> <p>(रवि सोलंकी) (Ravi Solanki) Construction Manager</p>
6	Who will sign the agreement on behalf of Crude Oil Pipeline agency? Power of attorney to sign agreement available or not?	Mr. A K DWIVEDI Chief Construction Manager	<p>INDIAN OIL CORPORATION LIMITED (Pipelines Division) मुंबई - पालीपार - पड़पार - परियोजना Rundra - Padmap Pipeline Project R. K. Tower, Plot No. 350, JMD-74-वी प्लॉट ग्राउंड, सीकर (राज.) 332001 R. K. Tower, Plot No. 350, JMD-74-वी प्लॉट ग्राउंड, सीकर (राज.) 332001</p>
7	Certificate from the Project Director		

[Signature]
Manager (Tech.)
National Highways Authority of India
PIU, Ajmer (Raj.)



7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No- NH-III/P/66/76 dated - 19.11.1976, Ministry Circular No- NH-III/P/66/76 dated- 11.5.1982, Ministry Circular No - RW/NH-11037/1/86/DOI dated 19.1.1995	Yes, MoRTH Circular Attached	
7.2	Certificate from Project Director in the following format	Yes	
	<p>(i) "It is certified that any other location of the Crude Oil Pipeline would be extremely difficult and unreasonable costly and the installation of Crude oil 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".</p> <p>(ii) for 2/4/6 - lanning</p> <p>(a) Where feasibility is available "I do certify that there will be no hindrance to proposed four-laning based on the feasibility report considering proposed structures at the said location".</p> <p>(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed four-laning"</p>	Yes	
8	If NH section proposed to be taken up by MoRTH on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right of lay cable / duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of (—) section from Km — to Km — of NH-89 (New NH-58) on Build, Operate and Transfer Basis] and therefore, the licensee shall honor the same."	Yes	<p>Project Director</p> <p>National Highways Authority of India PIU, Ajmer (Raj.)</p> <p>(रवि सोलंकी) (Ravi Solanki) निर्माण प्रबंधक / Construction Manager इंडियन ऑयल कॉर्पोरेशन लिमिटेड (पिपलिन डिवीजन) INDIAN OIL CORPORATION LIMITED (Pipelines Division) न्यू सुंदरगढ़-पानपट रोड परियोजना New Sundergarh-Panapat Pipeline Project आर.के. (R.K.)</p> <p>ASSOCIATION WITH HAIMAN</p>
9	Who will supervise the work of laying of Crude Oil Pipeline	Indian Oil Corporation Limited	<p>Manager (Tech.)</p>

10	Who will ensure that the defects in road portion after laying of Crude oil Pipeline are corrected and if not corrected then what action will be taken?	NHAI	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire?	Indian Oil 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 proforma.	Not Attached	
13	If any previous approval is accorded for laying of underground Crude Oil Pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Not Applicable	

Project Director
National Highways Authority of India
Plu. Ajmer (Raj.)

Yours Sincerely

Manager (Tech.)
National Highways Authority of India
PIU, Ajmer (Raj.)



(रवि सोलंकी)
(Ravi Solanki)
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INDIAN OIL CORPORATION LIMITED (Pipelines Division)
न्यू मुंदरा-पानीपत पाइपलाइन परियोजना
New Mundra - Panipat Pipeline Project
आर. के. टॉवर, प्लॉट नं. 359, 360-ए, 360-बी, पोलो ग्राउंड, सिकार (राज.) 332001
R. K. Tower, Plot No. 359, 360-A, 360-B, Polo Ground, SIKAR (Raj.) 332001


ANNEXURE - A

Details of Laying Underground Crude Oil Pipeline Across –

NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur

1.	(i)	Name of company asking for Permission :	Indian Oil Corporation Limited
	(ii)	Contact Person : Name & Designation	(Ravi Solanki) Construction Manager
	(iii)	Office Address :	Indian Oil Corporation Limited Pipeline Division, New Mundra- Panipat Pipeline Project R.K Tower, Plot No 359, 360-A, 360- B, Polo Ground, Sikar-332001 (Raj.)
	(iv)	Telephone No. :	9413120348
	(v)	Details & purpose for laying the pipe line Across through NH Land :	1. Laying of underground Crude Oil pipeline. 2. For transportation of crude oil from Mundra to Panipat Refinery (traversing through Gujarat, Rajasthan and Haryana)
	(vi)	Any other details regarding laying :	
		(a) Distance of proposed site from the Center of the road.	: Across following locations - NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur
		(b) Whether it is possible to lay the proposed lines or not (reasons)	: Yes
		(c) Whether it is possible to cross the proposed lines through existing lines or not (reasons)	: Not Applicable
2.		Details regarding road alignment whether U/G Cable / pipe is to be laid a along the road :	
	(i)	Name of Road :	NH -458(Degana – Sanju)
	(ii)	Category of road (to be ascertained from Km. stone on road side)	: National Highway
	(iii)	Width of the road	
		(a) Formation width measured from earthen bank	: 14 M for NH-458 (Ravi Solanki)
		(b) Black Topped carriageway width	: Black Topped carriageway width 10 M
		(c) Road Boundary (extent of highway land)	: Refer in checklist sr. no. 1.7

(All these details are to be shown on the drawing also)				
3.	Details to be supplied on layout drawings (5 sets)		:	Drawing enclosed
4.	GEOGRAPHICS OF THE PIPELINE ROUTE			
	(a)	Dimension of the Pipeline trench	:	As per sketch enclosed.
	(b)	Dimension of Protection pipe.	:	N.A
	(c)	Diameter of the Pipeline / Cable.	:	36" dia OD IOCL pipeline with 40 mm dia. HDPE duct for OFC Cable (inside 89 mm MS conduit)
	(d)	Right of User	:	NH -458(Degana – Sanju)
5.	(i)	This is to certify that no Govt. Land shall be occupied by Indian Oil Corporation Ltd. except for the purpose of laying of UG Cables / Pipeline.	:	Agreed
	(ii)	This is to certify that the work shall be in accordance with the Govt. Rules and regulations in force from time to time and binding to Indian Oil Corporation Ltd.	:	Agreed
	(iii)	This is to certify that all required cost and fees as per rules and regulation of the Govt. will be deposited timely.	:	Agreed



 (रवि सोलंकी)
 (Ravi Solanki)
 निर्माण प्रबन्धक, Construction Manager
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 INDIAN OIL CORPORATION LIMITED (Pipelines Division)
 न्यू मुद्रा-पानीपत पाइपलाइन परियोजना
 New Mundra - Panipat Pipeline Project
 आर.के. टॉवर नं. 359, 360-A, 360-B, जमीन ग्राउंड, सिकार (राज.) 332001
 R. K. Tower, Plot no. 359, 360-A, 360-B, Main Ground, SIKAR (Raj.) 332001

Annexure- B

Information to be furnished along with the proposal for laying of underground Crude Oil Pipeline across following NH – 458

NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur

1.	Exact location of crossing with Chainage of the National Highway and right of way of NH Division at Crossing point	:	NH -458(Degana – Sanju) at 77.880 KM, village- Chosali, Tehsil – Sanju, Distt. – Nagaur
2.	Table showing distance of cable / pipe and ROW From center line of Highway (Minimum distance of Cable / Pipe inside from edge of ROW edge)	:	As Per Enclosed Drawing
3.	Methodology of crossing in NH by trench less technique	:	Horizontal Directional Drilling (HDD)/ SHDD
4.	Crossing details : Plan & Cross section drawing showing depth of crossing at a minimum 5.0 m from existing ground with sealing ends pipe	:	Drawing enclosed (as per MORTH guideline reference no.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016
5.	Route index plan along the Highway showing the following	:	Drawings are enclosed
	(A) Existing ROW of NH in Green color		Marked
	(B) Crude oil Pipeline in Black color		Marked
6.	Undertaking that you shall take care of existing Service lines that have been laid previously	:	Enclosed


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Annexure C

Conditions to be enclosed / incorporated in the approval letter for Permission for laying of Crude Oil Pipeline

1. It shall be confirmed that there is no structures within 15 M from the crossing of pipeline.
2. All others small canals and culverts will be crossed by HDD method.
3. Laying of pipeline shall be done in utility corridor only, where utility corridor is not available the laying of pipeline shall be done by Open Cut Method at extreme edge of RoW and crossing of pipeline shall be done by HDD method only.
4. The pipeline shall be laid at the depth of minimum depth at least 5.00 meter HDD method below the road top level or existing ground level whichever is lower.
5. The various undertaking given by the applicant are to be strictly adhered to.
6. The applicant has to submit requisite Bank Guarantee for the above said work before signing of the license deed.
7. All the conditions mentioned in the proposal specially mentioned in license deed, Annexures and other conditions mentioned by the PD in the proposal as strictly follow by the agency with conditions to be incorporated in the approval letter for permission for crossing are to be strictly complied with.
8. The work shall be carried out as per MoRT&H guideline with all safety measures.
9. The agency is to follow the above all guidelines and conditions strictly and to remain in constant touch with the concerned authorities/bodies/parties and to ensure the compliance of the same are being done.
10. The approval is subject to condition that, the proponent agency will not claim any kind of revenue loss/insurances/cost of protection or any other such losses in case of closure of pipe due to any damage/shifting at the time of any kind of development maintenance of road work
11. The smooth and safe flow of traffic shall be maintained by the proponent agency at the time of execution, and the proponent agency shall be held responsible for any kind of accident occurring due to in sufficient safety measures.
12. Methodology for laying pipeline will not have any detritus effects on any of the bridge component and roadway safety of traffic.



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Annexure - 2

Affidavit / Undertaking from the Applicant for laying of Pipeline	
1	Not to Damage to other utility, if damaged then to pay the losses either to MoRTH or to the concerned agency
2	Renewal of Bank Guarantee & payment of Licensee fee
3	Confirming all standard condition of MoRTH guideline
4	Shifting of Crude Oil pipeline as and when required by MoRTH at their own cost
5	Shifting due to 2/4/6 lanning / widening of NH
6	Indemnity against all damages and claims clause (xxiv)
7	Traffic movement during laying of Crude Oil pipeline to be managed by the applicant
8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant
9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Crude Oil pipeline located in the National Highway right-of-ways.
10	Expenditure, if any, incurred by MoRTH for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Crude Oil pipeline will be borne by the agency owning the line.
11	If the MoRTH 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 MoRTH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
12	Certificate from the applicant in the following format
	(a) Laying of Crude Oil pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
	(b) for 2/4/6 – lanning “We do undertake that Indian Oil Corporation Limited will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by MoRTH” for future 2/4/6 lanning or any other development.”
13	Undertaking for furnishing of performance Bank Guarantee as per MORT&H (Ministry of Road Transport & Highways) Government Of India Guidelines.
14	Licensee Fee Payment
15	If it is found at any stage that laying/crossing work is not carried out as per approved proposal and MORT&H guidelines/norms mentioned in MORT&H circular No. R W/NH-33044/29/2015/S&R[R] dated 22.11.2016 then the applicant agency will rectify/redesign the work as approved at its own risk & cost.



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