



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 -UG electric line/AVVNL/173/NH-58, km 229+257/1895 Date: 16.09.2022

INVITATION OF PUBLIC COMMENTS

Sub.: Proposal for grant of permission for crossing (underground) of Electric Cable on NH for proposed Feeder at Village Lalmadri, Tehsil-Delwara, Distt-Rajsamand on Gomti-Udaipur section of NH-58 (old NH-8) at Ch. 229+257 (RHS to LHS) in the state of Rajasthan by AVVNL - reg.

Ref.: (i) XEN (O&M), AVVNL, Nathdwara letter no. 315 dated 04.07.2022 and letter no. 500 dated 25.08.2022.

(ii) PD, PIU-Udaipur letter no. NHAI/PIU/Udai/AVVNL-NH-58/930 dated 26.08.2022.

Sir,

It is to inform all concern that XEN (O&M), AVVNL, Nathdwara vide letter under reference (1) has submitted a proposal for the subjected work and PD, NHAI, PIU, Udaipur has submitted the above proposal vide letter under reference (2) for approval of the Competent Authority, Highway Administration.

2. The proposal is for grant of permission for crossing (underground) of Electric Cable on NH for proposed Feeder at Village Lalmadri, Tehsil-Delwara, Distt-Rajsamand on Gomti-Udaipur section of NH-58 (old NH-8) at Ch. 229+257 (RHS to LHS) in the state of Rajasthan by AVVNL.

3. 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).

4. 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 underground crossing of electric cable on the subjected stretch. The objections/comments may be addressed to the below mentioned address upto 15.10.2022, 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 is issued with the approval of the Regional Officer, NHAI, RO, Jaipur (Rajasthan).

Yours faithfully,

(K R Choudhary)

Dy. General Manager (I)

- 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-Udaipur: for information.
(iv) XEN (O&M), AVVNL, Nathdwara: for information.



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National Highways Authority of India

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

परियोजना कार्यान्वयन इकाई, उदयपुर, प्लॉट सं. 465, सरस डेयरी के पास, गोवर्धन विलास, उदयपुर (राज.) 313001

Project Implementation Unit, Udaipur, Plot No. 465, Near Saras Dairy, Goverdhan Villas, Udaipur (Raj.) 313001

दूरभाष/Phone : (0294) 2980801, 2980802 ई-मेल/Email: uda@nhai.org



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NHAI/PIU/Udai/AVVNL- NH-58/ 930

CGM (T) cum Regional Officer,
National Highways Authority of India,
Regional Office,
F-120 - Janpath, Shyam Nagar
JAIPUR - 302019



26.08.2022

01/09
Sh. Manoj
14/6/2019

Sub: Permission for Crossing of Electric Cable on National Highway for proposed Feeder at Village Lalmadri, Tehsil - Delwara, District Rajsamand on Gomati-Udaipur section of NH-58 (old NH-08) at Ch. 229+257 (RHS to LHS) in the State of Rajasthan- Reg.

- Ref:**
1. XEN (O&M), AVVNL, Nathdwara letter No. 315 dated 04.07.2022
 2. This office letter No. NHAI/PIU/Udai/Elect. Cable cross./NH-58/787 dt. 08.08.2022
 3. M/s. Feedback Infra letter No. FIPL/NHAI/IEOM/RO.JPR/Udaipur/101 dt 08.08.2022
 4. This office letter No. NHAI/U DR/UG Cable Crossing/ NH-58/882 dt. 16.08.2022
 5. XEN (O&M), AVVNL, Nathdwara letter No. 500 dated 25.08.2022

Sir,

The subjected proposal submitted by Executive Engineer (O&M), AVVNL, Nathdwara has been examined by the Independent Engineer M/s. Feedback Infra and they have submitted the report vide letter No. FIPL/NHAI/IEOM/RO.JPR/Udaipur/101 dt 08.08.2022 along with calculation details of rental fee payable amounting to Rs. 1132/-. This office vide letter cited (4) above dated 16.08.2022 has requested to the applicant for depositing the License Fee/Lease rentals applicable i.e. Rs. 1132/- as per Ministry guideline No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 through Bharatkosh Portal (www.Bharatkosh.gov.in) in the name of RPAO (Regional Pay account Officer) MoRTH, Jaipur as per MoRTH Circular dated 09.08.2018 and provide copy of the receipt.

Subsequently, Executive Engineer (O&M), AVVNL, Nathdwara has submitted the following:

- a) **Licensee fee:** The applicant (AVVNL) vide letter No. 500 dated 25.08.2022 submitted the copy of transaction Ref No. 1808220002839 dated 18.08.2022 amounting to Rs. 1132/- through Bharatkosh. gov.in. towards the deposition of License Fee.
- b) **Bank Guarantee:** The applicant has submitted B.G. No. 0045NDDG00005823 dated 24.08.2022 amounting to Rs. 1,00,000/- valid upto 23.08.2023 issued by ICICI Bank, Madhuban, Udaipur, towards execution of subjected Electric cable crossing in favour of Project Director, NHAI, Udaipur (copy enclosed).

The proposal has been examined by the undersigned in line with MoRTH Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and MoRTH RO letter No. RW/JAI/RJ/ PS/2017/ UTILITY/GENL dated 16.03.2017 and found in order.

In view of the above, it is recommended to accord necessary permission to Executive Engineer (O&M), AVVNL, Nathdwara against their aforementioned proposal.

Yours faithfully,

(Lokesh Singh Purohit)
General Manager (Tech.)
Project Director

Encl: two copies of proposal & copy of BG.

Copy to : (i) Team Leader M/s. Feedback Infra, Udaipur – for information
(ii) M/s. SUTPL, Negedia - for information



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CERTIFICATE

Sub: Permission for Crossing of Electric Cable on National Highway for proposed Feeder at Village Lalmadri, Tehsil - Delwara, District Rajsamand on Gomati-Udaipur section of NH-58 (old NH-08) at Ch. 229+257 (RHS to LHS) in the State of Rajasthan-.

- (i) Undersigned has examined the proposal of the applicant for Road crossing of Electric Cable on National Highway for proposed Feeder at Village Lalmadri, Tehsil – Delwara, District Rajsamand on Gomati-Udaipur section of NH-58 (old NH-08) at Ch. 229+257 (RHS to LHS) in the State of Rajasthan and confirm that the standard conditions issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 has been followed.
- (ii) It is certified that any other location of utility line would be extremely difficult and unreasonable costly and crossing of utility line 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.
- (iii) I will ensure supervision of the work of crossing of utility and ensure that the defects in road portion after laying of utility are corrected.
- (iv) I will notify/forfeit the BG for claims for damages done/disruption in working, if any.
- (v) I will ensure that proposed permission is entered in the register of records.
- (vi) The record of previous approval, if any has been considered and copy of same is enclosed with the proposal.


(Lokesh Singh Rajpurohit)
General Manager (Tech.)
Project Director

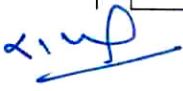
CHECK LIST

Enclosure to Ministry of Road Transport & Highways letter no.
RW/NH-33044/29/2015/S&R(R) Dated 22th November, 2016

Check list for processing the proposal for Laying / Crossing of utility line in the land along National Highway vested with NHAI/PWD/BRO

General Information.

| | | |
|---|--|--|
| 1 | Name and Address of the Applicant/ Agency | : Assistant Engineer, Delwara |
| | | : Ajmer Vidyut Vitran Nigam Limited |
| 2 | National Highway Number | : N.H.- 58 |
| | | (Old N.H.-08) |
| | | : NATHDWARA/ BEAWER - UDAIPUR ROAD |
| 3 | State | : RAJASTHAN |
| 4 | Location | : Vill.- LALMADRI, Teh.- DELWARA, Dist.- RAJSAMAND |
| 5 | (Chainage in km.) | : B/W Ch. 229/257.00 |
| | | LAYING & CROSSING AT ROAD CH. 229/257.00 (RHS TO LHS) |
| 6 | Length in Meters | : 70m |
| 7 | Width of available ROW in both side (Mtr.) | : 45.0m (22.50m + 22.50m) |
| 8 | [Side of NH (Left or right side of NH towards increasing Chainage/ Km. direction)] | : Right Hand Side to Left Hand Side of Nathdwara - Udaipur Road towards Udaipur in crossing of Km. 229 |
| 9 | Name of Highway/ Authority (NHAI/PWD/BRO) | : NATIONAL HIGHWAY AUTHORITIES OF INDIA |
| | | Project Director, NHAI, PIU-Udaipur |


(Rajesh Kumar)
Executive Engineer (O&M)
AVVNL, Nathdwara


Assistant Engineer (O&M)
A.V.V.N.L. Delwara


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

Enclosure to Ministry of Road Transport & Highways letter no.
RW/NH-33044/29/2015/S&R(R) Dated 22th November, 2016

Check list for processing the proposal for Laying / Crossing of utility line in the land along National Highway

| Sr. No. | Item | Measurement Observations as per site condition | Morth Norms | Whether complying with MORTH Norms** |
|---------|--|--|--|--------------------------------------|
| 1 | Details of already laid utility service, if any | No | Enclosed | Yes/No |
| 2 | Whether up gradation of the stretch in near future is proposed or not | No | Yes | Yes/No |
| | (a) If yes, provision of utility adversely affect the plan of up- gradation | N.A. | Not affect plan of up- gradation | Yes/No |
| 3 | Laying of the utility service along the National Highways. | | | |
| 3.1 | Location of proposed utility service along the stretch | 0.75m | Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the RoW | Yes/No |
| 3.2 | Depth of top of utility service from ground level | 1.20m | 0.60 meter | Yes/No |
| 3.3 | Mechanism for crossing water channel | N.A. | Through utility duct (if provision exists) or beneath the bed of water channel | Yes/No |
| 3.4 | Whether ROW is restricted in this stretch? | N.A. | | Yes/No |
| 3.4.1 | If yes, whether provision of land acquisition is required to lay utility | N.A. | | Yes/No |
| | (a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished | N.A. | | Yes/No |
| 3.4.2 | Width of concrete duct, if utility services are proposed to be laid in concrete ducts | N.A. | Not less than one lane | Yes/No |


(Rajesh Kumar)
Executive Engineer (O&M)
AVVNL, Nathdwara


Assistant Engineer (O&M)
A.V.V.N.L. Delwara


Project Director
National Highways Authority of India
Project Implementation Unit, Udaipur

| | | | | |
|-----|---|-------------------------------|--|-----------|
| 4 | Laying of utility services across the NH | | | |
| 4.1 | Whether Existing drainage structures is allowed to carry the utility lines. | No | Not to be allowed | |
| 4.2 | Proposed crossing of utility service | Road Crossing | Perpendicular to NH | Complying |
| 4.3 | Type of casing pipe/conduit carrying the utility line. | HDPE (Have adequate strength) | Steel, cast iron, or NA reinforced cement concrete and have adequate strength | Yes/No |
| 4.4 | Whether ends of the casing/conduit pipe are sealed from the outside | Sealed | Sealed | Yes/No |
| 4.5 | Length of casing/conduit pipe crossing NH | Crossing | Extend from drain to drain in cuts and toe to toe of slope in the fills | Yes/No |
| 4.6 | Depth of top of the casing/conduit pipe. | 1.20m | At least 1.2 m below the top of subgrade | Yes/No |
| 4.7 | Crossing method in case of CC pavement. | H.D.D. | Only boring method (HDD) | Yes/No |
| 4.8 | Horizontal and vertical clearances in case utilities are allowed overhead | N.A. (Underground Only) | In accordance with IRC codes | Yes/No |
| 5 | Document I Drawings enclosed with the proposal | | | |
| 5.1 | Cross-Section showing the size of trench for open trenching method | N.A. | Enclosed, if applicable | Yes/No |
| | (a) Trench width | N.A. | More than 30 cm and less than 60 Cm. wider than the outer diameter of the utility pipe | Yes/No |
| | (b) Filling of trench | N.A. | as per Ministry guidelines vide letter No. RW/ NH-34044/29/2 015/ S&R (R) dated 22.11.2016 | Yes/No |
| | (c) Location of trench | N.A. | extreme edge of the ROW | Yes/No |
| 5.2 | Cross section showing the size of pit and location of conduit for HDD method | Enclosed | Enclosed, if applicable | Yes/No |
| 5.3 | Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc | Enclosed | Enclosed | Complying |
| 5.4 | Plan and profile drawing of stretch showing cross section of road at 20m distance alongwith ROW and proposed utility | Enclosed | Enclosed | Yes/No |


 (Rajesh Kumar)
 Executive Engineer (O&M)
 AVVNL, Nathdwara


 Assistant Engineer (O&M)
 A.V.V.N.L. Dalmia


 Project Director
 National Highway Authority of India
 Implementation Unit, Udaipur

| | | | | |
|------|--|------------------------------|--|--------|
| 6 | Methodology for laying of utility line | H.D.D. | Enclosed | Yes/No |
| 7 | Draft License Agreement is as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses | Yes, As per MoRTH Guidelines | Enclosed | Yes/No |
| 8 | License fees in Favor of MoRTH RPAO Jaipur | Yes, As per MoRTH Guidelines | as per Ministry guidelines vide letter No. RW/ NH-34044/29/2 015/ S&R (R) dated 22.11.2016 | Yes/No |
| 9 | Whether Bank Guarantee has been obtained | Yes, As per MoRTH Guidelines | as per Ministry guidelines vide letter No. RW/ NH-34044/29/2 015/ S&R (R) dated 22.11.2016 | Yes/No |
| | (a) If yes, whether Confirmation as per of BG has been obtained as per MoRTH/ NHAI guidelines | Yes, As per MoRTH Guidelines | | Yes/No |
| 10 | Affidavit / Undertaking from the Applicant for | | | |
| 10.1 | Undertaking for net to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency. | Yes | Enclosed | Yes/No |
| 10.2 | Undertaking for renewal of Bank Guarantees and when asked by NHAI/ MoRTH | Yes | Enclosed | Yes/No |
| 10.3 | Undertaking for confirming all standard condition of MoRTH/NHAI guidelines. | Yes | Enclosed | Yes/No |
| 10.4 | Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost. | Yes | Enclosed | Yes/No |
| 10.5 | Undertaking for indemnity against all damages and claims. | Yes | Enclosed | Yes/No |
| 10.6 | Undertaking for management of traffic movement during laying of utility line without hampering the traffic. | Yes | Enclosed | Yes/No |
| 10.7 | Undertaking that If any claim is raised by the Concessionaire/ contractor then the same has to be paid by the applicant | Yes | Enclosed | Yes/No |
| 10.8 | 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 clearances applicable, before applying to Highway Administration | Yes | Enclosed | Yes/No |


(Rajesh Kumar)
 Executive Engineer (O&M)
 AVVNL, Nathdwara


Assistant Engineer, Delwara
 Ajmer Vidyut Vitran Nigam Limited

[Name, Designation and Signature of the authorized representative]


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

Methodology of Crossing of H.T. Electric Line - Open Trenching / Trenchless (HDD)

Trenching Method:

Laying of H.T. Electric Line along N.H.-58 (N.H. - 08) (Over Head Inside owner's own land) will be done by conventional method/manual and Machine Trenching method. The Cable laying (Overhead inside the owner's own land) work will be carried out in phased manner in such a way that after the HDPE / Protection ducts are laid for H.T. Electric Line, (Overhead inside the owner's own land) will be reinstated to its original surface.

Trench Filling Method:

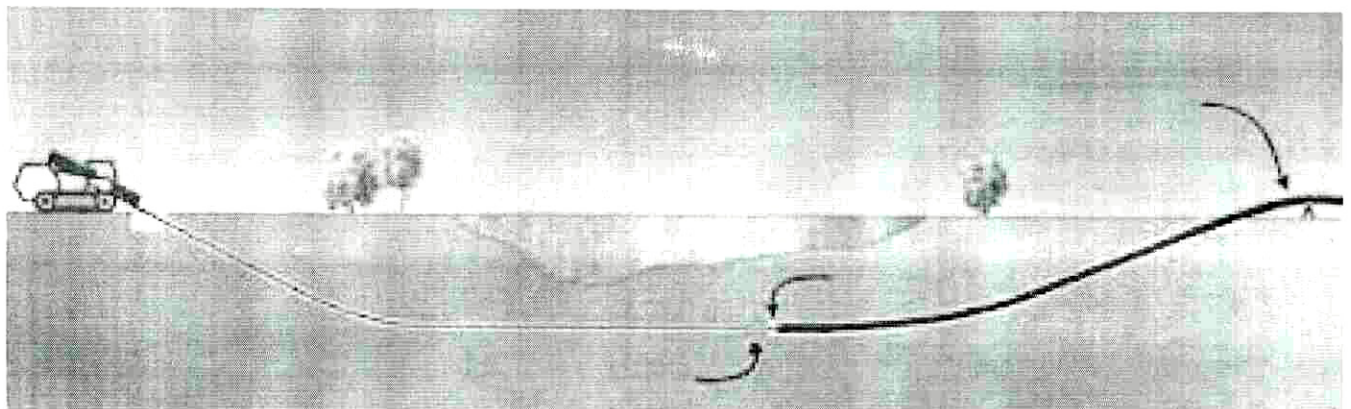
As a measure of abundant precaution against future settlement and other allied problems, only selected granular material will be used in filling reinstatement of trenches. The entire depth of cutting will be filled with coarse sand or the excavated material, compacted in layers not exceeding 75 mm when compacted by ordinary power roller /plate compactor. Special Compaction equipment like plate compactor, frog hammer will be utilized besides ordinary power roller.

Trenchless Crossing: HDD Method

Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines. Below ground using a surface-mounted drill rig that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities. In recent years HDD has been the preferred methodology due to several government policies conducive to infrastructure growth.

All crossing on the Route will be done by Horizontal Directional Drilling method without disturbing the road surface.

A Typical HDD Methodology is shown below:



(Rajesh Kumar)
Executive Engineer (O&M)
AVVNL, Nathdwara

dm
Assistant Engineer (O&M)
A.V.V.N.L. Dehvara