



GOVERNMENT OF INDIA

MINISTRY OF ROAD TRANSPORT & HIGHWAYS

TELEFAX: 0141-2811776, 2811883

E-mail: ro.jaipur.morth@gmail.com

O/o REGIONAL OFFICER,
DCM, AJMER ROAD,
JAIPUR - 302019

No. RW/JAI/RJ/PS/Utility/2025/575/3659-61

Dated: .02.2025

Invitation of Public Comments

Sub: Bikaner III-Neemrana II 765 kv D/C Transmission Line (2nd) for evacuation of power from Rajasthan REZ PH-IV (part-I) (Bikaner Complex)-Part C.

Authorized Signatory TP Bikaner III Neemrana II Transmission Ltd has submitted a proposal to this office on above mentioned subject through EE PWD NH-Div-Bikaner (Raj), which has certified the proposal as per extant practice.

2. As per Ministry's OM No.RW/NH-33044/29/2015/S&R dated 22.11.2016, the application 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 the comments of public are invited on captioned proposal on online portal at www.morth@nic.in or on below mentioned address.

Regional Officer cum Highway Administration.
Ministry of Road Transport and Highways
DCM, Ajmer Road, Jaipur-302019

4. This issues with the approval of Highway Administration-cum-R.O. (Civil), MoRTH, Jaipur.

Yours faithfully,

(Ravi Chanchal)
Executive Engineer
For Regional Officer

Copy to:-

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi -110 001 for uploading on Ministry's website.
2. Tata Power Bikaner III Neemrana II Transmission Ltd Plot no.72, Soni Nagar, Jaipur road, Bikaner (Raj) pin:334001
3. EE PWD NH-Division-Bikaner (Raj).



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TELEFAX: 0141-2811776, 281183

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O/o Regional Officer,
DCM, AJMER ROAD,
JAIPUR - 302 019

No. RW/JAI/RJ/PS/Utility/2025/575 / 3657-58

Dated:- 24.02.2025

To,

Executive Engineer
PWD NH-Division
Bikaner (Raj)

Sub: Bikaner III-Neemrana II 765 kv D/C Transmission Line (2nd) for evacuation of power from Rajasthan REZ PH-IV (part-I) (Bikaner Complex)-Part C.
Sir,

Please refer to your letter no.969 dated 13.02.2025 received on 18.02.2025 vide which the above proposal has been forwarded to this office for approval. The proposal has been examined and following are the observations:-

- (i) Standard certificate as per this office letter dated 16.03.2017 is not attached and needs to be submitted.(copy enclosed).
- (ii) Checklist, Calculation of Bank Guarantee as per Ministry circular dated 16.11.2016 are not attached with the proposal and needs to be submitted.(copy enclosed).

2 In view of the above, the proposal is returned herewith request to submit the compliance of observations along with recommendation.

Yours faithfully,

(Ravi Chanchal)

Executive Engineer
For Regional Officer

Copy to:- Tata Power Bikaner III Neemrana II Transmission Ltd Plot no.72, Soni Nagar, Jaipur road, Bikaner (Raj) pin:334001. email:-kunal.sharma@tatapower.com



GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

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O/o Regional Officer,
DCM, AJMER ROAD,
JAIPUR - 302 019

No. RW/JAI/RJ/PS/2017/UTILITY/GENL/1161-1189

Dated: 16.03.2017

To,

The Chief Engineer(NH) Rajasthan PWD, Nirman Bhawan, Jacob Road, Jaipur- 3020006	The Chief General Manager-cum-Regional Officer, National Highway Authority of India, F-120, Janpath, Shyam Nagar, Jaipur
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Sub: Guidelines to streamline the procedure for grant of permission to accommodate public and industrial utility services along and across the National Highways-Regarding.

Sir,

Ministry has issued guidelines/norms vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 for captioned subject. This office has been receiving proposal for granting permission to lay utility services in NH land from concerned utility Dept./ industries. Therefore for streamlining the procedure for grant of such permissions to lay utility services, concerned field authority of NHAI/PWD shall ensure the following points.

- The prescribed sample checklist(copy enclosed) is verified as per site conditions and certified on each page of checklist.
 - Certificate in prescribed sample performa (copy enclosed) is furnished.
 - The proposal for permission of laying of utility services shall include two original copies of license deed strictly (word to word) as per Ministry guidelines issued vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
 - The licensee fee is calculated as per Ministry guidelines issued vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
 - The Bank Guarantee, initially valid for more than one year, in prescribed performa as per Ministry guidelines issued vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 is enclosed. Further, the BG shall be verified as per MoRTH guidelines.
 - The proposal is processed in a time bound manner.
- Content of this letter may be brought to the notice of all concerned for strict compliance.
 - This issues with the approval of Highway Administration-cum-R.O. (Civil), MoRTH, Jaipur.

Yours faithfully,
(011)
(DevanshNuwal)
Asst. Executive Engineer
For Highway Administration-cum-Regional Officer

Encl: As above

Copy for information and necessary action to:

- All Executive Engineers, PWD(NH) Rajasthan.
- All Project Directors of NHAI PIUs of Rajasthan.

(011)
(DevanshNuwal)
Asst. Executive Engineer
For Highway Administration-cum-Regional Officer

CHECK- LIST

Guidelines for processing the proposal for laying of Utility line in the land along National Highways vested with NHAI/PWD/BRO.

General Information

1. Name and Address of the Applicant/Agency :
2. National Highway No. :
3. State :
4. Location :
5. Chainage in km :
6. Length in m :
7. Width of available ROW in both side :
8. Side of NH :
(left or right side of NH towards increasing chainage/Km direction)
9. Name of Highway Authority of NHAI/PWD/BRO :
10. Highway Administration address :

S.No	Item	Measurement. Observations as per site conditions	MORTH Norms	Whether complying with MORTH Norms
1	Details of already laid utility service, if any		Enclosed	
2	Whether up gradation of the stretch in near future is proposed or not			
	(a) If yes, provision of utility adversely affect the plan of up-gradation		Not affect plan of up-gradation	
3	Laying of the utility service along the National Highways.			
3.1.	Location of proposed utility service along the stretch		Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the RoW.	
3.2	Depth of top of utility service from ground level		0.6 meter	
3.3	Mechanism for crossing water channel		Through utility duct(if provision exists) or beneath the bed of water channel	
3.4	Whether ROW is restricted in this stretch?			
3.4.1	If yes, whether provision of land acquisition is required to lay utility			
	(a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished			
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts		Not less than one lane	
4	Laying of utility services across the NH			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.		Not to be allowed	
4.2	Proposed crossing of utility service		Perpendicular to NH	
4.3	Type of casing pipe/conduit carrying the utility line.		Steel, cast iron, or reinforced cement concrete and have adequate strength	
4.4	Whether ends of the casing/conduit		Sealed	

	pipe are sealed from the outside			
4.5	Length of casing/conduit pipe crossing NH.		Extend from drain to drain in cuts and toe to toe of slope in the fills	
4.6	Depth of top of the casing/conduit pipe.		At least 1.2 m below the top of subgrade	
4.7	Crossing method in case of CC pavement.		Only boring method (HDD)	
4.8	Horizontal and vertical clearances in case utilities are allowed overhead,		In accordance with IRC codes.	
5	Document / Drawings enclosed with the proposal			
5.1	Cross-Section showing the size of trench for open trenching method		Enclosed, if applicable	
	(a) Trench width		More than 30 cm and less than 60 Cm wider than the outer diameter of the utility pipe	
	(b) Filling of trench		as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016	
	(c) location of trench		extreme edge of the ROW	
5.2	Cross section showing the size of pit and location of conduit for HDD method		Enclosed, if applicable	
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	
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility		Enclosed	
6	Methodology for laying of utility line		Enclosed	
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		Enclosed	

	witnesses			
8	License fees in Favor of MoRTH RPAO Jaipur		As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R)dated 22.11.2016	
9	Whether Bank Guarantee has been obtained		As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R)dated 22.11.2016	
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH/NHAI guidelines			
10	Affidavit / Undertaking from the Applicant for			
10.1	Undertaking for not to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency.		Enclosed	
10.2	Undertaking for renewal of Bank Guarantees and when asked by NHAI/ MoRTH		Enclosed	
10.3	Undertaking for confirming all standard condition of MoRTH/NHAI guidelines.		Enclosed	
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost.		Enclosed	
10.5	Undertaking for indemnity against all damages and claims.		Enclosed	
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.		Enclosed	
10.7	Undertaking that If any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant		Enclosed	
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		Enclosed	

	Control Board and any other statutory clearances applicable, before applying to Highway Administration			
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The Right of the Way (ROW) of the National Highway available at the proposed location from the center line of divided carriageway is (.....)m (from center of ROW to edge of ROW towards proposed utility)

The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

[Name Designation and signature of the authorized representative of applicant]

[Name Designation and signature of concerned field authority of NHAI/PWD/BRO]

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of.....
..... and confirm that the all standard conditions issued vide Ministry circular No: RW/NH-33044/29/2015/S&(R)dated 22.11.2016 has been followed.
2. It is certified that any other location of utility line would be extremely difficult and unreasonable costly and installation of utility line 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.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify/forfeit the BG for claims for damages done/disruption in working , if any.
5. I will ensure that proposed permission in entered the register of records
6. The record of previous approval, if any has been considered and copy of same is enclosed with the proposal.

[Name Designation and
signature of concerned field
authority of NHAI/PWD/BRO]

Government of India
Ministry of Road Transport and Highways
(Highway Administration Cell)

Transport Bhavan, 1, Parliament Street, New Delhi — 110 001

No. NH-36094/01/2022-S&R(P&B) (E-208825)

Dated: 24th April, 2023

To

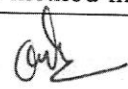
1. The Chief Secretaries of all the State Governments/UTs
2. The Principal Secretaries/ Secretaries of all States/ UTS Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other Centrally Sponsored Schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001
7. ROs, ELOs and PIUs of the MoRTH.

Subject- Accommodation of Public and Industrial Utility Services along and across National Highways- Policy guidelines; Clarifications regarding.

Sir,

In supersession of policy circular No. NH-36094/01/2022-S&R(P&B) dated 17th April, 2023, the following amendments are issued herewith with reference to Ministry's policy circular no RW/NH-33044/29/2015-S&R(R) dated 22.11.2016 regarding permission for laying of utilities in NH ROW with immediate effect:

Clause	Existing provision	Amendments
3.1	The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that 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.	The utility services shall normally be permitted to cross the National Highway either through structure or conduits specially built for that 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. Alternatively, for crossing of NH by pipelines for petroleum products, Horizontal Directional Drilling (HDD) method may be used



		without casing/ conduit pipe following the safety precautions and Codes as given in Annexure II.
5.	<p>Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.</p> <p>License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.</p>	<p>Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.</p>
5.1	<p>The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes).</p> <p>License Fees (Rs/sq m/ month) = (Utilized NH land area X Prevailing Circle Rate of land per unit area) / (10 X 12) where,</p> <p>Utilized NH land area = Outer diameter/width of the concerned utility line X length</p>	<p>License Fee for Industrial Utilities shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 10% per annum.</p> <p>Utilized NH land area shall include projection of utility on ground including area of support system / tower.</p> <p>License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.</p>
5.2	<p>The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters junction boxes etc.</p> <p>License Fees (Rs/sq m/ month) = (Utilized NH land area X Prevailing Circle Rate of land per unit area) / (10 X 12) where,</p>	<p>License Fee for public utility shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 1.5% per annum, subject to minimum of Rs. 10,000/-, with 6% annual increment.</p> <p>Utilized NH land area shall include area of support system / tower but not include projection of utility on ground.</p>

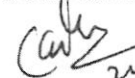


Utilized NH land area = Projection of utility on the ground including area of support system/tower.	There shall be no license fee for OFC cables crossing the NH through HDD method.
However, for public utilities, area below the support system/tower shall only be charged.	License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.

2. The other provisions of policy circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and amendments to guidelines issued vide circular No. RW/NH-33044/29/2015-S&R (R) dated 29th July, 2022 shall continue to be applicable in the subject matter.

3. This issues with the approval of competent authority.

Yours faithfully

 24/04/2023

(Rakesh Prakash Singh)


Superintending Engineer (HA)

Copy to:

1. AS/ JS/CEs in MoRTH
2. Director, IAHE
3. The Secretary General, Indian Roads Congress
4. Technical circular file of S&R(P&B) Section and Road Safety Engineering Cell
5. NIC-for uploading on Ministry's website under "What's new"

Copy for information to:

1. PS to Hon'ble Minister (RT&H)/ PS to Hon'ble MOS (RT&H)
2. Sr. PPS to Secretary (RT&H)/ Sr. PPS to AS(H)/ Sr. PPS to AS&FA
3. Sr. PPS to DG (RD) & SS/ Sr. PPS / PPS /PS to ADG-I/II/III/IV

 24/04/2023

(Rakesh Prakash Singh)

Superintending Engineer (HA)

A. Codes/ publications for guidance on design of Horizontal Directional Drilling crossing for Petroleum Pipelines

- a) Oil Industry Safety Directorate Code: IOSD Code-141.
- b) American Gas Association PR-227-9424 "Installation of Pipelines by Horizontal Directional Drilling an Engineering Design Guide".
- c) American Society of Civil Engineering Practice No.89 – "Pipeline Crossings Handbook".
- d) Directional Crossing Contractors Association publications "Guidelines for a Successful Directional Crossing Bid Package", "Directional Crossing Survey Standards" and "Guidelines for Successful Mid-Sized Directional Drilling Projects."

B. Safety precautions and plan to be submitted along with the proposal for HDD crossings:

- a) Before taking up the HDD work, area to be scanned by suitable methods like GPR to locate all underground utilities. Accordingly, crossing plan and profile drawings to be developed showing all pipelines, utilities, cables and structures that cross the drill path, are parallel to and within 30m of the drill path and that are within 30m of the drilling operation, including mud pits and bore pits.
- b) Damage prevention plan to reduce or avoid the likelihood of damage to adjacent underground facilities, including pipelines, utilities, cables and other subsurface structures considering the accuracy of the method in locating existing structures and in tracking the position of the pilot string during drilling. Consideration should be given to having an auxiliary location system to include manual excavation to ensure that the drilling bit or reamer is following the projected path and does not encroach upon crossing or parallel lines. The damage prevention plan should include provision for sending notification to all affected parties.
- c) Safety plan to include contingency plans in the event the drilling string impacts subsurface facilities and identify facilities and resources to be utilized in the event of an emergency or any personnel injuries. The safety plan shall be reviewed on site with all construction personnel prior to the commencement of drilling operations.
- d) Plan for containment and disposal of drilling fluids, if used.
- e) Hydrostatic test plan that should consider pretesting of the fabricating string(s) prior to installing the crossing.
- f) Testing plan be agreed upon the measures like Cathodic protection, periodic inspection be outlined and Supplementary extra thickness of pipe be ensured to compensate for corrosion.
- g) Pipeline laying agencies to submit annual certificates of inspection after laying.

