



सत्यमेव जयते

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-OH Crossing/400KV-PGCIL/NCTRC/170/NH-48, km 74.996/1741 Date: 02.09.2022

INVITATION OF PUBLIC COMMENTS

Sub.: Proposal for grant of NH crossing for the diversion/modification work of 400 KV D/C Manesar-Neemrana Transmission line due to infringement with Delhi-Gurgaon-Rewari SNB (Alwar), Regional Rapid Transit System (RRTS) Alignment of M/s. NCRTC by M/s. PGCIL - **Approval of crossing at Km. 74+996 of NH-48 in the state of Haryana - reg.**

Ref.: 1. Chief Manager (TLM), PGCIL, Bhiwadi letter no. 1068 dt. 27.04.2022, letter no 1099 dated 22.06.2022, letter no. 1123 dated 29.07.2022.
2. PD, PIU-Jaipur letter no. NHAI/JPR/NOC/Powergrid/74.996/Overhead crossing/ 1370 dated 31.08.2022.

Sir,

It is to inform all concern that Chief Manager (TLM), PGCIL, Bhiwadi vide letter under reference (1) above has submitted a proposal for the subjected work and PD, NHAI, PIU, Jaipur has submitted the above proposal vide letter under reference (2) for approval of the Competent Authority, Highway Administration.

2. The proposal is regarding grant of NH crossing for the diversion/modification work of 400 KV D/C Manesar-Neemrana Transmission line due to infringement with Delhi-Gurgaon-Rewari SNB (Alwar), Regional Rapid Transit System (RRTS) Alignment of M/s. NCRTC by M/s. PGCIL at Km. 74.996 of NH-8 (48) in the state of Haryana.

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 OH Crossing of 400 KV EHV transmission line on the subjected stretch. The objections/comments may be addressed to the below mentioned address upto 01.10.2022, 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 Chouhan)

Dy. General Manager (T)

- 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-Jaipur: for information.
(iv) Chief Manager (TLM), PGCIL, Bhiwadi: for information.
(v) Project Coordinator, M/s. NCRTC, Gurugram: for information.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई, जयपुर

डी-148, आर.एस.ई.बी. सब-स्टेशन के पीछे, वैशाली नगर, जयपुर-302021

Project Implementation Unit, Jaipur

D-148, Behind RSEB Sub-Station, Vaishali Nagar, Jaipur-302021

No. NHAI/PR/NOC/Powergrid/74.996/overhead crossing/2022/1370

दूरभाष / Phone : 91-141-2351427

फैक्स / Fax : 91-141-4026465

ई-मेल / E-mail : [redacted]



Date 31.08.2022

Highway Administrator cum Regional Officer

National Highways Authority of India

Regional Office, F-120, Janpath,

Shyam Nagar, Jaipur-302019

M/T-MK

Sh. [signature] 01/09

Sub. : National Highway Clearance proposal for the diversion/modification work of 400 KV D/C Manesar-Neemrana transmission line due to infringement with Delhi-Gurgaon-Rewari-SNB (Alwar), Regional Rapid Transit System (RRTS) Alignment of M/s NCRTC : Approval for crossing of NH-08 at km. 74.996-reg.

- Ref:**
1. Chief Manager (TLM), Power Grid Corporation of India Ltd. Bhiwadi letter no. 1068 dated 27.04.2022
 2. This office letter no. 331 dated 09.05.2022
 3. M/s CEG Ltd. in JV letter no. 215 dated 25.05.2022
 4. This office letter no. 719 dated 17.06.2022
 5. Chief Manager (TLM), Power Grid Corporation of India Ltd. Bhiwadi letter no. 1099 dated 22.06.2022
 6. This office letter no. 908 dated 11.07.2022
 7. Chief Manager (TLM), Power Grid Corporation of India Ltd. Bhiwadi letter no. 1123 dated 29.07.2022

Sir,

Please refer Chief Manager (TLM), Power Grid Corporation of India Ltd. Bhiwadi above referred letter dated 27.04.2022 regarding approval of crossing proposal for diversion/modification work of 400 KV D/C Manesar-Neemrana transmission line due to infringement with Delhi-Gurgaon-Rewari-SNB (Alwar), Regional Rapid Transit System (RRTS) Alignment of M/s NCRTC at km. 74.99 on NH-08.

2. The said proposal has been examined by Independent Engineer of the Project Gurgaon-Kotputli-Jaipur section of NH-8, M/s CEG Ltd. In JV. IE vide their letter dated 25.05.2022 has recommended the said proposal and submitted the following:

"Upon examination of the drawings, it was noted that, Power Grid Corporation of India Limited has proposed for 400 KV D/C electric overhead line crossing between km. 74 to 75 (Ch. 74.996) on NH-48.

The IE has inspected the proposed site on 24.05.2022 along with representative of Power Grid Corporation of India Limited. Upon verification of the proposed location for crossing the overhead electric line at Ch. 74.996, it has been found that the location for crossing the electric line is correct. The proposal for crossing the project highway at the said location has been examined by the IE and the same has been found to meet all the criteria necessary for according the permission and they are found to be in order.

After examining the subject proposal in accordance with MORT&H/NHAI guidelines and our observations/comments are as given below:

- The Crossing of Transmission line is proposed on project highway at Ch. 74.996 between Km 74 to 75 near Dharuhera. This location falls in rural area and ROW corridor width is 62.10 meter.
- The service road has been completed on both sides of highway at this location, the agency has to ensure safety measures pertaining to commuters on main carriageway and service road.

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- There is a truck lay bye at Ch.73.600, Bus bay at Ch.74.250, FOB at Ch.74.500 and Exit/Entry ramp available at Ch.75.600 on B/S.
- The nearest flyover available at 71.790 and functional for traffic.
- The parameters regarding transmission line crossing projected by PGCIL vide above quoted letter must be ensured during execution of tasks.
 - i. Crossing angle - $83^{\circ}54'12''$
 - ii. Vertical clearance profile must be 38.2 meter RHS and 37.3m on LHS at maximum acceptable temperature.
 - iii. Crossing should be strictly restrict at given location at Ch.74.996 as per approved proposal.
- Tower spotting should be considered minimum 100 meter away from the highway ROW line.
- The land acquired & reserved for project highway facilities & ROW corridor should not be occupied/encroached by PGCIL during any time of execution of their work. Construction material and cables should NOT be dumped on service road and main carriageway.
- Access to the Project Highway shall be allowed only through the designated exit & entry access available on highway.
- No illegal access by blocking of drain shall be allowed. Any such illegal access if observed during execution of the task will be treated as offence and punishable, as per statutory law and accordingly, strict legal action should be initiated by NHAI against the PGCIL.
- The applicant PGCIL shall be responsible to follow complete MORT&H & NHAI policy circulars & guidelines during execution & operation of above proposal.
- The applicant PGCIL shall be responsible to ensure that no interruption or disturbance or traffic jam is caused to the smooth movement of traffic on Project Highway at on main carriageway and service road during implementing the task of crossing of transmission line works.
- The applicant PGCIL shall not damage any part of Project Highway and its assets during execution of transmission line works. If any-damage observed, the NHAI/Concessionaire has the right to recover complete repair cost including penalties PGCIL.
- The applicant PGCIL shall be responsible for any incident/accident/fatal accident occurred due to their negligence by construction agency.
- The land acquired & reserved for project highway facilities & ROW corridor should not be occupied/encroached by the applicant during any time of execution of their work. Construction material and cables should NOT be dumped on service road or main carriageway.
- The applicant must coordinate with local administration, traffic police while execution of assigned work.
- Energizing of the line should be indicted in advance to NHAI and IE.
- During conduct of Erection & Stringing of Transmission Wires (Cable) over the project highway, necessary traffic safety plan be made and submitted to NHAI for approval before proceeding to make crossing over highway. Any temporary support/arrangement on MCW while making a crossing should be taken after ensuring adequate safety measures.

In view of the above, the IE recommends for permission to be accorded for crossing the said electrical overhead 400 KV line in favour of the Power Grid Corporation Limited between Km 74 to Km 75 (Ch.74.996) of NH-08 (New NH-48)"

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3. While scrutiny of the said proposal this office vide above referred letter dated 17.06.2022 has requested to applicant to submit the documents/clarification on the said proposal. Applicant Chief Manager (TLM), Power Grid Corporation of India Ltd. Bhiwadi vide letter dated 22.06.2022 has submitted the required documents. This office vide letter dated 11.07.2022 has requested to submit the One time processing fee of Rs. 5,00,000/- in Bharat Kosh portal as per NHAI Policy Circular number 7.53./2020 dated 03.11.2020. M/s PGCIL vide letter date 29.07.2022 has submitted the one time processing fee of Rs. 5.00 lakh in Bharat Kosh vide receipt no. 2907220007226 dated 29.07.2022. M/s PGCIL has also submitted an undertaking on duly stating that *"It is certify that user agency, PGCIL undertake that within 7 days of receipt of notice, Powergrid will submit any kind of license deed amount as and when it is demanded by NHAI/MoRTH"*.

4. In view of the above, the said proposal has been examined in this office and seems to be found in order. Applicant M/s Power Grid has not submitted the License fee and Bank Guarantee. Hence, the direction regarding deposition of license fee & bank guarantee from M/s Power Grid may be issued to this office.

5. Duly signed checklist & documents is enclosed with the proposal and recommended to grant permission diversion/modification work of 400 KV D/C Manesar-Neemrana transmission line due to infringement with Delhi-Gurgaon-Rewari-SNB (Alwar), Regional Rapid Transit System (RRTS) Alignment of M/s NCRTC.

The proposal is forwarded for approval please.

Encl. : As above

Yours faithfully,



(Ajay Arya)
Project Director


INSPECTION CERTIFICATE

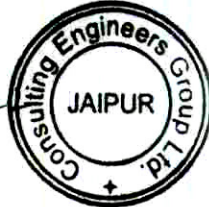
Undersigned have inspected the proposed site for according National Highway crossing proposal for the version/modification-on work of 400KV D/C Bhiwadi-Hisar-2&3 transmission line due to infringement with Delhi-Gurgaon-Rewari-SNB (Alwar) Regional Rapid Transit System (RRTS) alignment of M/s. NCRTC - Approval for crossing of NH-8 for providing connectivity to NH-8 and the following is submitted:

- Proposed Location for Overhead electric Line : Km 74 to Km 75 (Km 74.996)
NH-8 (48) Rural Section
- ROW at Site : 62.1 m
- Location of Median opening : No Median opening in Project Highway
- Cross Movement Facility : Flyover Km 71.790 (Opened to traffic)

The Proposal of Power Grid Corporation of India Limited has been reviewed in the light of Ministry's Guidelines issued vide letter no. RW/NH-33044/29/2015/ S&R (R) dated 22.11.2016 & Ministry letter no. RW/JAI/RJ/PS/2017/UTILITY/GENL/I 161-1189 dated 16.03.2017.

It is confirmed that all the stipulated norms of the circular have been complied with.


Lal Bahadur Chaurasia
Resident Engineer
Jaipur



Project Director
NHAI, PIU – Jaipur

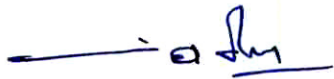
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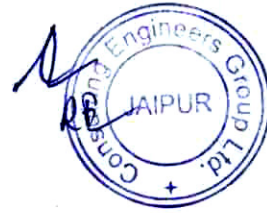
Guidelines for processing the proposal for laying of utility line in the land along national Highways vested with NHAI/PWD/BRO.


General Information

- | | |
|--|--|
| 1. Name and Address of the Applicant /Agency | : POWERGRID CORPORATION OF INDIA LIMITED, 4 th KM Milestone, Alwar By Pass, Post-Khijuriwas, Bhiwadi, Dist – Alwar, Rajasthan, PIN - 301018 |
| 2. National Highway No. | : NH- 8 |
| 3. State | : Haryana |
| 4. Location | : Delhi–Jaipur Highway |
| 5. Chainage in Km | : 74+996 Km |
| 6. Length in m | : 168 M |
| 7. Width of available ROW in both side | : 32 M 62.1 M |
| 8. Side of NH
(left or right side of NH towards increasing chainage/Km direction) | : Overhead crossing of National Highway |
| 9. Name of Highway Authority of NHAI/PWD/BRO | : NHAI |
| 10. Highway Administration address | : Project Director
National Highway Authority of India
Project Implementation Unit, Vaishali
Nagar, Jaipur |

PD NHAI/EE NH Division


मेघराज मीना / Meghraj Meena
मुख्य प्रबंधक (टीएम)/ Chief Manager (T.M)
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
उ.के.-1/NR-1
भिवानी (राज.)/ Bhiwadi (Paj.)




परियोजना निदेशक / Project Director
भारतप्रा. प्र.के.ई. / NHAI PIU, Jaipur


प्रबन्धक (प्र.त.)
Manager (Tech.)
भारतप्रा. प्र.के.ई. जयपुर
NHAI PIU JAIPUR

CHECK LIST

CHECK LIST				
Sr. No	Item	Measurement Observation as per Site Condition	MORTH Norms	Whether complying with MORTH norms
1	Details Of already laid utility service,if any	NA	Enclosed	NA
2	Whether up gradation of the stretch in near future is proposed or not	NA		NA
	(a) If Yes, provision of utilityn adversely affect the plan of up -gradation	NA	Not affect plan of up-gradation	NA
3	Laying of the utility service along the national highways.			
3.1	location of proposed utility service along the stretch	NA	Utility Duct/beyond the toe line of the embankment and drains,and close to the extreme edge of the ROW.	NA
3.2	Depth of top of utility service from ground level	NA	0.6 meter	NA
3.3	Mechanisam for crossing water channel	NA	Through utility duct (if provision exists) or beneath the bed of water channe	NA
3.4	Whether ROW IS Restricted in this stretch?	NA		NA
3.4.1	If yes, whether provision of land acqisition is required to lay utility	NA		NA
	(a) If yes , whether undertaking for land acqisition along with relevant L.A. details has been furnished	NA		NA
3.4.2	Width of concrete duct ,if utility service are proposed to be laid in concrete ducts	NA	Not less then one lane	NA
4	Laying of the utility service across the NH			
4.1	Whether Exisiting drainage structures ia allowed to carry the utility lines.	NA	Not to be allowed	NA
4.2	Proposed crossing of utility service	NA	Perpendicular to NH	NA
4.3	Type of casing pipe/conduit carrying the utility line.	NA	Steel,cast iron, or reinforced cement concrete and have adequate strength	NA
4.4	Whether ends of the casing/conduit Pipe are sealed from the outside	NA	Sealed	NA
4.5	Length of casing/conduit pipe crossing NH.	NA	Extend from drain to drain in cuts and toe to of slope in the fills	NA
4.6	Deapth of top of the casing/conduit pip	NA	At least 1.2 m below the top of subgrade	NA
4.7	Crossing method in case of CC Pavement	NA	Only boring method (HDD)	NA
4.8	Horizontal and vertical clerances in case utilities are allowed overhead,	38.271M & 37.356M Meter (Vertical clearance)	In accordance with IRC codes.	Y
5	Documents/Drawings enclosed with the proposal			
5.1	Cross-section showing the size of trench for open trenching method	NA	Enclosed,if applicable	NA
	(a) Trench Width	NA	More than 30 cm and less than 60cm wider than the outer diameter of the utility pipe	NA
	(b) Filling of the trench	NA	as per Ministry guidelines vide letter NO.RW/NH-34044/29/2015/S&R dated 22.11.2016	NA
	c) Location of trench	NA	extreme edge of the ROW	NA
5.2	Cross section showing the size of pit and location of conduit for HDD method	NA	Enclosed,if applicable	NA
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	Y
5.4	Plane and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Enclosed	Enclosed	Y
6	Methodology for laying of utility lines	Enclosed	Enclosed	Y
7	Draft license Averagement is as per Ministry guidelines vide letter No.RW/NH-34044/29/2015/S&R R) Dated 22.11.2016 and signed by two witness	Enclosed	Enclosed	Y

मेघराज मीना / Meghraj Meena
मुख्य प्रबन्धक (टीएलएम) / Chief Manager (TLM)
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
उ.से.-1/NR-1

Page 1 of 2

CHECK LIST

Sr. No	Item	Measurement Observation as per Site Condition	MORTH Norms	Whether complying with MORTH norms
8	License fees in Fovor of MORTHRPAO Jaipur	Shall be Submitted	As per Ministry vide circular no.RE/NH-33044/29/2015/S&R Dated 22.11.2016	Y
9	whether Bank Guarantee has been obtained	Shall be Submitted	As per Ministry vide circular no.RE/NH-33044/29/2015/S&R Dated 22.11.2016	Y
	(a) If yes , whether confirmation of BG has been obtained as per MORTH/NHAI guidelines			Y
10	Affidavit/Undertaking from the Applicant for			Y
10.1	Undertaking for not to damage other existing utility ,if damaged then to either to MORTH/NHAI Or to the concerned agency .	Enclosed	Enclosed	Y
10.2	Undertaking for Renewal of Bank Guarantees and when asked by NHA/MORTH	Enclosed	Enclosed	Y
10.3	Undertaking for confirming all standard condition of MORTH/NHAI Guidelines.	Enclosed	Enclosed	Y
10.4	Undertaking for shifting of utility as and when asked by MORTH/NHAI Within a month at their own cost.	Enclosed	Enclosed	Y
10.5	Undertaking for idemnity against all damages and climes .	Enclosed	Enclosed	Y
10.6	Undertaking for management of traffic movements during laying of utility line without hampering the traffic.	Enclosed	Enclosed	Y
10.7	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be paid by the applicant .	Enclosed	Enclosed	Y
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 clrances applicable, before applying to Highway Administration	Enclosed	Enclosed	Y

The Right of the way (ROW) Of the National Highways available at the proposed location from the center line of divided carriageway is (AP2 = 105.79M; AP3 = 62.21M) (from center of ROW to edge of ROW Towards proposed utility)

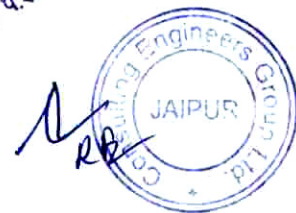
The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

Name Designation and signature of the authorized representative of applicant

मेघराज मेहता / Meghraj Meena
मुख्य प्रबन्धक (टीएम)/ Chief Manager (TLM)
पावर ग्रीड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
उ.सं.-1/NR-1
बिवादी (राज.)/ Bhiwadi (Raj.)

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

परियोजना निदेशक / Project Director
भारतमार्ग, प.का. १, NHAI PIU, Jaipur

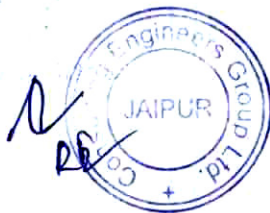


जयपुर (संका.)
Manager (Tech.)
भारतमार्ग, प.का. १, जयपुर
NHAI PIU JAIPUR

Annexure- 'A'
Detail of Tower Crossing across National Highway

1	(a) Name of the Company asking for permission	Power Grid Corporation of India Limited
	(b) Full Address	+500 KV HVDC Substation, 4th KM Milestone, Alwar By Pass, Post-Khijuriwas, Bhiwadi, Dist - Alwar, Rajasthan, PIN - 301018
	(c) Telephone & Fax No.	9873397888
	(d) Details & Purpose:	Infringement with proposed RRTS Corridor of M/s NCRTC
	(e) Any other details regarding	
	1. Distance of proposed site from the centre of the road (Location of Tower from centre line of the NH)	105.79 M (AP2) & 62.21 M (AP3)
	2. Whether it is possible to lay the Proposed line through existing line or not	Overhead Crossing
2	Details regarding road alignment where Tower is to be laid (at the location of crossing)	At KM 74+996
	a. Name of Road	Delhi - Jaipur National Highway - 8
	b. Category of Road (to be ascertained from KM stone on road side)	National Highway
	c. Width of the road	
	1. Formation width measurement from earthen bank	68M
	2. Black topped carriageway width	30 M (6 lane)
	3. Road Boundary width	72 M
	4. Location of the crossing on the Road [to be mentioned with km]	At KM 74+996
3	Details to be supplied on layout drawing.	Attached 3 copies of drawing
4	Geographics of the tower line route	
	1. Dimension of the tower	Transmission Tower of 400kV QD+0 - Drawing enclosed.
	2. Dimension of the protection pipe.	N/A
	3. Diameter of the tower	Transmission Tower of 400kV QD+0 - Drawing enclosed.
	1. This is to certify that no. Govt land shall be occupied by Power Grid Corporation of India Limited	YES
	2. This is to certify that the work shall be done in accordance with the Govt. rules and regulations in force from time to time and binding to Power Grid Corporation of India Limited	YES
	3. This is to certify that all required cost & fees as per rules and regulation of the Govt. will be deposited timely.	YES

Date: 27/04/2022
Place: Bhiwadi



Manager (Tech.)
PIU JAIPUR

For and on behalf of:
Meghraj Meena
Chief Manager (TLM)
Power Grid Corporation of India Limited
उ.सं.-1/NR-1
भिवानी (राज.)/ Bhiwadi (Raj.)

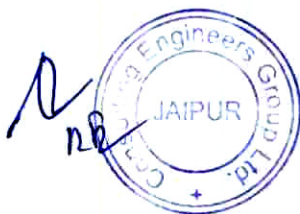
Annexure- 'B'

Information to be furnished along with the proposal for erection of tower across/ along the National Highway / Expressway.

1	Exact Location of crossing with chainage of the National Highway and Right of Way of NH at crossing point.	at KM 74+996
2	Table Showing distance of Tower & ROW From center of line of Highway	Ground Profile Drawing is enclosed.
3	Methodology of crossing in NH	Overhead Crossing through Transmission Towers.
4	Crossing details:	As per attached Ground Profile Drawing
5	Route Index plan across the Highway showing the following: (a) Existing ROW of NHAI/ NH land. (b) Tower Position	As per attached Ground Profile Drawing
6	Undertaking that you shall take care of existing service lines that have been laid previously.	Yes, existing services will be taken care by us.

Date:- 27/4/22
Place:- Bhiwadi

For,
Meghraj Meena / Meghraj Meena
Chief Manager (TLM)
Power Grid Corporation of India Limited
उ.सं.-1/NR-1
भिवली (राज.)/ Bhiwadi (Raj.)



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