



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

**National Highways Authority of India**  
(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई, गाज़ियाबाद  
Project Implementation Unit, Ghaziabad

मकान नं.: 518, नीति खण्ड-1, इंदिरापुरम, गाज़ियाबाद-201014 (उ०प्र०)

House No. : 518, Niti Khand-1, Indirapuram, Ghaziabad-201014 (U.P.)

टेलीफोन

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ई-मेल

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nh24ghaziabad@gmail.com

वेबसाइट

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भारतमाला  
प्रगति के पथ पर अग्रसर

NHAI/PIU-GZB/EPE/PKG-IV/UPPTCL/NOC/2020/E-1888

Date: 12.11.2020

### INVITATION OF PUBLIC COMMENTS

**Sub:** Development of Six Lane Eastern Peripheral Expressway (NH No. NE-II) in the State of Uttar Pradesh Pkg-IV from Km 71.000 to 93.000 on EPC Mode- **Approval for Overhead Crossing at Km. 85.730 Of 220 KV D/C Greater Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway-reg.**

1. Executive Engineer, Uttar Pradesh Power Transmission Corporation Limited (UPPTCL), Tilapta Makora Road, V & P Pali, Greater Noida has submitted the proposal for Overhead Crossing at Km. 85.730 of 220 KV D/C Greater Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway on the subject project in Distt-Gautam Buddh Nagar, UP.

2. As per MoRT&H Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highways Administration will make available the proposal seeking permission for Utility laying for public Comments for 30 days on ground of public interest.

3. In view of above, the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 14.12.2020 beyond which no comments will be considered.

**National Highways Authority of India,  
PIU-Ghaziabad,  
House no. 518, Niti Khand-I, Indirapuram,  
Ghaziabad-201014 (UP)  
Email: [gha@nhai.org](mailto:gha@nhai.org), [nh24ghaziabad@gmail.com](mailto:nh24ghaziabad@gmail.com)**

4. This issues with the approval of Highway Administration cum Regional Officer, NHAI, RO-Delhi

Yours faithfully

(Mudit Garg)

**Project Director**

#### **Copy to:-**

- Web Admin, NHAI HQ for uploading on NHAI's website.
- The Senior Technical Director, Email: [mansoor@nic.in](mailto:mansoor@nic.in) NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's website.
- RO-Delhi, NHAI HQ-for information please.

कार्यालय  
अधिशाली अभियन्ता  
विद्युत 400 के०वी० उपकेन्द्र खण्ड  
उत्तर प्रदेश पावर ट्रांसमिशन  
कारपोरेशन लिमिटेड  
तिलपता मकोडा रोड,  
ग्रेटर नोएडा -203207  
दूरभाष-0120-2930543



Office Of The  
Executive Engineer  
Electricity 400 kV Sub-Station Division U.P.  
Power Transmission Corporation Ltd.  
Tilapta - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptcl.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

पत्रांक/No- 1273 ..... अ०अ० (EE)/ ग्रे०नौ० (GN)/LINE

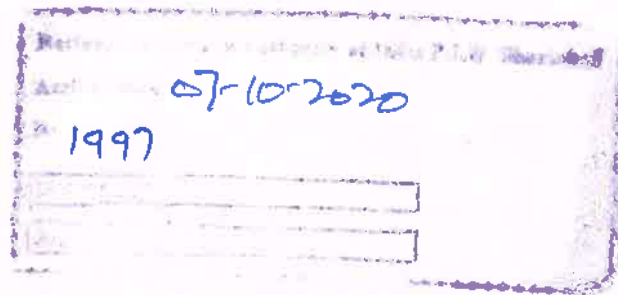
Dated/दिनांक- 08/09/2020

**Uttar Pradesh power Transmission Corporation Limited**  
**Undertaking by transmission licensee in respect of NHAI**  
**Crossing**

It is to certify that UPPTCL is a public utility company and state owned PSU. UPPTCL is State Transmission Utility (STU) of the Uttar Pradesh.

Place: GR. Noida  
Date: 08/09/2020

(Sudhar Kumar)  
Executive Engineer  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.



कार्यालय  
अधिशाली अभियन्ता  
पुत 400 के0वी0 उपकेन्द्र खण्ड उत्तर  
प्रदेश पावर ट्रांसमिशन कारपोरेशन  
लिमिटेड  
तिलपता मकोडा रोड,  
ग्रेटर नोएडा -201 306  
दूरभाष-0120-2930543



Office of the  
Executive Engineer  
Electricity 400 kV Sub-Station Division U.P.  
Power Transmission Corporation Ltd.  
Tilapata - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptcl.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

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पत्रांक/No 1518/अडिओ(EE)/ग्रे0नौ0(GN)/  
\*\*\*\*\*  
Dated/दिनांक- 07/10/2020  
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Subject: - Approval for overhead crossing of 220 kV D/C Gr. Noida (765 kV)-IITGNL (220 kV)  
transmission line over Eastern Peripheral Expressway.

Project Director  
National Highways Authority of India  
House no. 518, Niti Khand-I,  
Indirapuram, Ghaziabad.

Very Important

Sir,

Please take reference to above-mentioned subject and also this office letter no. 854 dt. 19.06.2019, 1617 dt. 15.11.2019, 131 dt. 23.01.2020 & 1335 dt. 01.09.2020. In this regard, it is to inform you that proposal for overhead crossing of above-mentioned transmission line has already been submitted vide this office letter no. 854 dt. 19.06.2019 but till now NOC for crossing of above-mentioned line in between tower location no. AP 52 & AP 53 over Eastern Peripheral Expressway is awaited.

We have already visited the NHA office and all queries raised by NHA have already been met out. Through this letter, proposals are being re-submitted for further necessary action from your end and you are again requested to grant NOC at the earliest so that construction work could be completed and further delay could be avoided. It has already been informed that IITGNL project is being directly monitored by PMO level.

Note:- Charging date of above transmission line is 15.11.2020.

Thanking you.

(Sudhir Kumar)  
Executive Engineer

No. / 400 kV (GN)/

Dated-

Copy forwarded to following for kind information and necessary action:-

1. Director (W&P) U.P. Power Trans. Corp. Ltd Shakti Bhawan 14 Ashok Marg Lucknow.
2. Chief Engineer (TW) U.P Power Transmission Corp. Ltd 130-D, Victoria Park Meerut.
3. Superintending Engineer, Electricity Transmission Circle, Greater Noida.

(Sudhir Kumar)  
Executive Engineer



**AECOM/NHAI/PIU/EPE-II/2020/1150**  
**July 13th, 2020**

To,  
**Project Director**  
**National Highways Authority of India,**  
**Project Implementation Unit (Noida),**  
**URBTEC NPX,**  
**Plot No. C1, Sector 153**  
**NOIDA (NCR).**

YP  
 W  
 25/5

**Subject: - Approval for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway-reg.**

**Ref: -**

1. NHAI/PIU-EPE-II/EPE/AE/F-171/2020/D 4270. dated 26.05.2020
2. M/s UPPTCL Letter No. 824, Dated 15.06.2020
3. NHAI/PIU-EPE-II/EPE/AE/F-171/2019/D 3788. dated 26.06.2019
4. M/s UPPTCL Letter No. 854, Dated 19.06.2019

Dear Sir

Vide letter cited above NHAI/PIU-EPE-II/EPE/AE/F-171/2020/D 4270. dated 26.05.2020 information sought by you has been received from Executive Engineer UPPTCL Gr. Noida vide letter no. M/s UPPTCL Letter No. 824, Dated 15.06.2020. For Approval of overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 as per actual chainage marked at site.

In this context Authority's Engineer has reviewed the proposal and the comments are as under: -

1. Check list As per Guideline of NHAI has been submitted.
2. Undertaking as per Ministry Guideline has been submitted with the letter.
3. License Deed for laying of overhead as per ministry Guideline has been resubmitted.
4. Deviation of spans of transmission line is mentioned in check list.
5. Horizontal and Vertical clearance of the crossing is as per the requirement of IE Rule 1956 and IRC:32 1969. It comply the minimum requirement.
6. Methodology for stringing across the Eastern peripheral expressway will be scaffolding.
7. Performance Bank Guarantee, Security Deposit, and prescribed Fee if applicable has to be charged as per NHAI/MORTH guideline.

Earlier the applicant has submitted proposal for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 as per actual chainage marked at site vide letter no NHAI/PIU-EPE-II/EPE/AE/F-171/2019/D 3788. dated 26.06.2019.

The proposal received by this office, on above subject is with one copy of Letter of Executive Engineer UPPTCL Gr. Noida, Tower Schedule from AP 51 to AP-54, Detail of 220 KV D/C Gr. Noida (765 KV)-IITGNL Transmission Line, Licence Deed and Drawing of tower From AP 51 to AP-54.

Submitted drawing shows clearance under maximum Sag condition between lowest conductor of the proposed line and existing Road of Eastern peripheral Expressway is 27.200 M, Angle of crossing is 89° 25' 42" The Applicant must be asked to execute the work accordingly.

**HEAD OFFICE:**

3rd Floor, Tower A  
 Building 8, DLF Cyber  
 City - Phase-III Gurgaon - 122002  
 Haryana, India  
[ursswk@gmail.com](mailto:ursswk@gmail.com)

**SITE OFFICE:**

URS Scott Wilson India Private Ltd.  
 D-221, Sector P-3,  
 Near Pari Chowk,  
 Greater Noida, U.P.

**REGISTERED OFFICE:**

URS Scott Wilson India Private Ltd  
 Place of Registration: India  
 Corporate Identification Number: U74899DL1994PTC061983  
 Registered Office: Flat No. 513, Vishwadeep Tower,  
 District Centre, Janakpuri, New Delhi 110058, INDIA

All other applicable statutory clearance shall be obtained by applicant from the concerned department.

It is advisable to inform the applicant that the work of crossing EP-II should be avoided in heavy rainy season.

Applicant shall at own cost ensure that all safety measures are taken and there should not be any hindrance to traffic movement during executing of above subjected work.

Applicant has to execute the work keeping in view of existing utilities if any available within ROW.

Before commencement of work, Applicant must be asked to give prior information of the work schedule to Project Director, PIU, EPC and with a copy to AE EPE II.

In view of above and subject to compliance of conditions suggested herein, permission for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 may be accorded to the Executive Engineer, UPPTCL with the condition that work of overhead crossing the above mentioned location shall be carried out without disturbing traffic movement.

This is for your information and necessary action.

Yours sincerely,

**For, URS Scott Wilson India Private Limited  
In JV with Consulting Engineers Group Ltd.  
In Association with AECOM India Pvt. Ltd.**

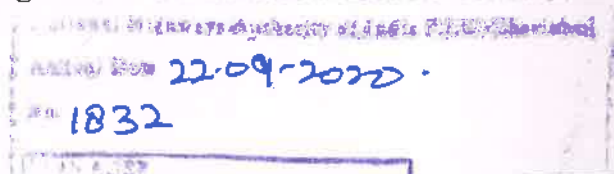
R K GARG  
TEAM LEADER  
13/7/2020

(R. K. Garg)  
Team Leader



Encl: 1. Letter No... 9.24 dated 15/06/20  
2. Checklist  
3. Licence Agreement  
4. Undertaking  
5. Tower Schedule  
6. Foundation Drawing

CC: CGM (T)/RO, HO, NHAI, Dwarka, New Delhi.  
CC: Project Coordinator (AECOM) Gurgaon.



**HEAD OFFICE:**  
3rd Floor, Tower A  
Building B, DLF Cyber  
City - Phase-III Gurgaon - 122002  
Haryana, India  
[ursawt@gmail.com](mailto:ursawt@gmail.com)

**SITE OFFICE:**  
URS Scott Wilson India Private Ltd.,  
D-221, Sector P-3,  
Near Pari Chowk,  
Greater Noida, U.P.

**REGISTERED OFFICE:**  
URS Scott Wilson India Private Ltd  
Place of Registration: India  
Corporate Identification Number: U74899DL1994PTC061963  
Registered Office: Flat No. 513, Vishwadeep Tower,  
District Centre, Janakpuri, New Delhi 110058, INDIA

कार्यालय

अधिशाली अभियन्ता

विद्युत 400 केवी0 उपकेन्द्र खण्ड उत्तर

प्रदेश-01 र ट्रांसमिशन कारपोरेशन

लिमिटेड

नपता मकोडा रोड,

ग्रेटर नोएडा -201 306

दूरभाष-0120-2930543



Office Of The  
Executive Engineer  
Electricity 400 kV Sub-Station Division U.P.  
Power Transmission Corporation Ltd.  
Tilapta - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptcl.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

पत्रांक/No. 824 /अ0अ0(EE)/ग्रे0नौ0(GN)/

Dated/दिनांक- 15/05/2020

**Subject: - Approval for overhead crossing of 220 kV D/C Gr Noida (765 kV)- IITGNL (220 kV) transmission line over Eastern Peripheral Expressway.**

Team Leader,  
M/s PRS Scott Wilson India Pvt. Ltd.  
In JV with Consulting Engineering Group Ltd.  
In Association with AECOM India Pvt. Ltd.  
D-221, Sector P-3, Near Pari Chowk  
Greater Noida, Gautam Buddh Nagar- 201308

Sir,

In reference to above mentioned subject & also take reference to your office letter no NHAI/PU/EPE/F-171/2020/D-4270 dt. 26.05.2020. In this regard, it is to inform you that point-wise explanation is given below:-

- i. a) Check list (as per guidelines of NHAI) has been prepared and is being attached with this letter.
- b) Various undertakings as per Ministry's guidelines dated 22.11.2016 have already been submitted along with the proposal.
- c) License deed for laying of overhead EHT line as per Ministry's guidelines dated 22.11.2016 has already been submitted along with the proposal.
- ii. Deviation of spans of transmission line has now been mentioned in the check list (attached with this letter)
- iii. The horizontal and vertical clearances of the crossing is within the minimum requirement of IE rule 1956 and IRC32:1969.
- iv. Methodology of stringing across NHAI will be scaffolding.
- v. Performance bank guarantee, security deposit and prescribed fee is not applicable for EHT overhead line as per Ministry's guidelines dated 22.11.2016.

(Sudhir Kumar)  
Executive Engineer

No. / 400 kV (GN)/

Dated-

Copy forwarded to following for kind information and necessary action:-

1. Chief Engineer (TW) U.P Power Transmission Corp. Ltd 130-D, Victoria Park Meerut.
2. Superintending Engineer, Electricity Transmission Circle, Greater Noida.

(Sudhir Kumar)  
Executive Engineer

कापालिप  
आध्यात्मिकी अभियन्ता  
विद्युत 400 केवी 200 MVA T/F at 400 KV S/S Greater Noida  
उत्तर प्रदेश पावर ट्रांसमिशन  
कार्पोरेशन लिमिटेड  
लखनऊ, भारत  
पिन कोड - 203207  
दूरभाष-0120-2930543



Office Of The  
Executive Engineer  
Electricity 400 KV Sub-Station Division U.P.  
Power Transmission Corporation Ltd.  
Tilapata - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptcl.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

**Subject: - Payment details of defective (Aditya make) 200 MVA T/F at 400 KV S/S Greater Noida.**

Superintending Engineer  
ESDC-I 13<sup>th</sup> floor  
Shakti Bhawan Extn.  
14-Ashok Marg  
Lucknow.

In reference to your office letter no. 232/ESDC-I(D)/200 MVA Trf./Aditya Vidyut, date 12-06-2020, details of payment to M/s Aditya Vidyut Appliances Ltd. Thane for supply on 200 MVA T/F at 400 KV S/S Greater Noida is mentioned below in break up:-

Sl. No.	Invoice No.	Date	Amount	Payment on
1.	129	20.12.2016	41485824.00	
2.	PV 149	31.12.2016	401647.00	02.02.2017
Total			41887471.00	

Panelty invoice no 129 dt 20.12.2016 (-) Rs. 1139421.00  
Panelty invoice no 149 dt 31.12.2016 (-) Rs. 12251.00  
Total deduction panelty (-) Rs 1151672.00  
Net amount paid Rs. 40735799.00

Encl: - Photo copy of BG papers

No. / 400 KV (GN)/  
Copy forwarded to following for kind information and necessary action:-  
Dated-  
(Sudhir Kumar)  
Executive Engineer

1. Chief Engineering (TW) U.P Power Transmission Corp Ltd 130-D, Victoria Park Meerut.
2. Superintending Engineer, Electricity Transmission Circle, Greater Noida.

(Sudhir Kumar)  
Executive Engineer



**CHECK LIST****Guidelines for Project Directors for processing the proposal of laying over Head Electrical Line****Relevant Circulars /Codes**

- 1) Ministry Circular No.NH-III/P/20/77 Dated 08.04.1982
- 2) Indian Electricity Act -1910
- 3) Indian Electricity Rules-1956
- 4) IRC:32-1969
- 5) IS:5613-1976 Part-I to IV

Check list for laying of 220 kV D/C Greater Noida (765 kV)- IITGNL (220 kV) Transmission line for over head

SL. NO.	Item	Information /Status	Remarks
1	General Information		
1.1	Name and address of the applicant with Full Address	Executive Engineer  Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta – Makora Road V&P Pali, Gr. Noida	
1.2	National Highway Number	Eastern Peripheral Expressway (Delhi to Palwal)	
1.3	State	Uttar Pradesh	
1.4	Location	2.303 Km. from Greater Noida towards Palwal near village Ladpura	
1.5	Name of the Line	220 kV D/C Greater Noida (765 kV)- IITGNL (220 kV) Transmission line	
1.6	Chain-age in Km	85.730	
1.7	Length in meter(span)	280 Mtr.	
1.8	Width of available ROW	35 Mtr.	
	a) Left side from center line towards increasing chain-age/km direction.	17.5 Mtr.	
	b) Right side from center line towards increasing chain -age /km direction.	17.5 Mtr.	
1.9	Proposal to lay overhead		
	a) Left side from center line towards increasing chain-age/km direction.	125 Mtr.	
	b) Right side from center line towards increasing chain -age /km direction.	155 Mtr.	
	c)Crossing of NH number		
1.10	Proposal to acquire land		
	a) Left side from center line	Not Applicable	
	b) Right side from center line	Not Applicable	
	Whether proposal is		
	a) In the same side where land is not to be acquired	Land acquisition is not involved	
1.11	b) Crossing the National Highway	Yes	
	c) If not then where to lay the overhead Electrical Line	The overhead electrical line is to be laid in the field away from the NH boundary as mentioned at 1.9 (a) & (b)	




Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



1.12	Details of already laid services (overhead) Telecommunication line overhead Electrical line etc) if any, along proposed route /proposed	Not Applicable	
1.13	Number of lanes( 2/4/6/8 lane)	6 lanes	
1.14	Proposed number of lanes (2 lane with saved shoulders /4/6/8)	Not Applicable	
1.15	Service road existing or not	Not Applicable	
	If yes then which side	Not Applicable	
	a) Left side from the center line	Not Applicable	
	b) Right side from the center line	Not Applicable	
1.16	Proposed Service Road	Not Applicable	
	a) Left side from the center line	Not Applicable	
	b) Right side from the center line	Not Applicable	
1.17	Whether proposal to lay overhed Electrical line is after the service road or between the service road and main carriage way ,or crossing the National Highway	Crossing the National Highway	
1.18	The permission of laying Over Head Electrical Line shall be considered for approval / rejection based on the Ministry Circulars and relevant codes.	Yes	
1.19	If crossing of the road involved		
	a) Is it on a line normal to NH and provide length of crossing span	280 Mtr.	
	b) Structure (Tower ,tension towers,pole for HT line only) for crossing shall not be to near to the existing structures on the National Highway ,the minimum distance being 15 meters.	More than 15 Mtr.	
	i) Type of Existing /Proposed structures for National Highway	Tension towers, tower type DC+25 on both sides	
	ii) What is the distance of tower, pole and tension towers from the existing/proposed structures of National Highway.	Tower no. AP 52 (DC+25) is 125 Mtr. from center line of existing National Highway. Tower no. AP 53 (DC+25) is 155 Mtr. from center line of existing National Highway	
	c) The overhead lines and their supporting poles/ towers should ordinary be placed at the extreme edge of the road land boundary .In any case,these shall be at 10mtr. away from the edge of existing traffic lane.Where the existing roadway is narrow than the minimum required according to standard or where the widening is proposed for any reason , the lateral clearance shall be reckoned with respect to ultimate road way. What is the horizontal clearance from the extreme edge of the road boundary.	Tower no. AP 52 (DC+25): 85 Mtr.Tower no. AP 53 (DC+25):115 Mtr.	



  
 Executive Engineer  
 Electricity 400 KV S/S Division  
 U.P. Power Corp. Ltd.  
 Greater Noida

d) The overhead lines and their supporting poles/towers should be ordinarily being placed at a minimum distance of 5.0m. from the nearest line of avenue trees.	Overhead line supporting is far away from the nearest line of avenue trees.	
e) In Mountainous/ hilly terrain the overhead lines should be erected preferably on the vally side as far as away as practicable. In hilly region, level of ground at a suitable distance below the outer conductor on either side from center line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearance in swing conditions. Is the proposal in hilly area?	No. proposal is in plain terrin.	
f) The horizontal clearances in respect of poles erected for the purpose of street lighting in urban situation shall be as under.	Not Applicable	
i) For road with raised kerbs- Minimum 300mm from the edge of the nearest kerb 600 mm being perferable.	Not Applicable	
ii) For road without raised kerbs - At least 1.5m from the edge of carriageway ,subject to minimum of 5.0meter from the center line of the carraige way	Horizontal clearance is 125 Mtr. and 155 Mtr. from the center line of the carraige way	
g) The pylones of HT lines along the crossing the road shall be located outside the National Highway land	Yes	
h) For crossing the line of same voltage or lower voltage , suspension/ tension tower with suitable extension shall be used	Yes	
i) The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level ,strengthening of pavement, etc . The actual ground clearance of high tension lines for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian Standard codes IS 5613-1976 PART-I to IV and Indian Electricity Rules1956 as under.		



  
 Executive Engineer  
 Electricity 400 KV S/S Division  
 U.P. Power Corp. Ltd.  
 Greater Noida

	For ordinary wire and line carrying low voltage up to and including 110 volts-5500mm		
	For electric power lines carrying low voltage up to and including 650volts - 6500mm		
	For electric power lines carrying voltage exceeding 650volts -6500mm		
	220KV -7015mm	Clearance under maximum sag conditions between lowest point of the proposed line and existing road is 27.2 Mtr.	
	400KV -8840mm		
	800KV-15000mm		
	Note: These are minimum requirement where ever local authority requirement is higher ,the same shall be provided .In case of HT line ,Road crossing,the ground clearance at the road under maximum temperature and in still air shall be such that even with conductor bundle broken in adjacent span ,the ground clearance of the conductor from the road surface shall not be less than 24.70		
	What is the voltage of proposed line and clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway / future developed National Highway.	The voltage of proposed line is 220 kV. Clearance under maximum sag conditions between lowest point of the proposed line and existing road is 27.2 Mtr.	
2	Affidavit /under taking to be obtaining from (to the furnished by) the applicant.	Yes	
2.1	Not to damage to other utility ,if damaged then to pay the losses either to NHAI or to the concern agency.	Yes	
2.2	Undertaking for renewal of bank Guarantee if required.	Not Applicable	
2.3	Confirming all standard conditions as laid down in ministry Circular No.NH-III/P/20 dated 08.04.1982, Indian Electricity Act -1910,Indian Electricity Act -1956, IRC-32:1956,IS 5613:1976 part-I to part-IV and NHAI's guidelines.	Yes	
2.4	Shifting of overhead electrical line at their own cost as and when required by NHAI.	Yes	
2.5	Shifting of overhead electrical line at their own cost if require due to 4 lanning widening of National Highway	Yes	



Executive Engineer  
Electricity 400 KVS/S Division  
U.P. Power Trans. Corp. Ltd  
Greater Noida



2.6	Indemnity against all damages and claims what so ever kind that may be to NHAI or any third party in the ROW during installation ,operation and maintenance.	Yes	
2.7	Traffic movement during laying of overhead electrical line to be managed by the applicant.	Yes	
2.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes	
2.9	Prior approval of NHAI shall be obtained before undertaking any work of installation ,shifting or repairs, or alterations to the overhead electrical line located in the National Highway Right of way.	Yes	
2.10	Expenditure ,if any ,incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance of the overhead electrical line will be borne by the agency owing the line.	Yes	
2.11	If NHAI 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 NHAI at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
2.12	Certificate from the applicant in the following format.	Yes	
	1) Laying of Overhead electrical line will not have any deleterious effect on any of the bridge components and roadway safety for traffic.	Yes	
	2) For 4 Laining "We do undertake that I will relocate service road /approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated but NHAI for future six laining or any other development.	Yes	
2.13	The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons component to undertake such work.	Yes	
2.14	The applicant ensures the safety of the highway traffic against the hazards of the high voltage lines during installation,operation and maintenance.	Yes	



  
 Executive Engineer  
 Electricity 400 KV S/S Division  
 U.P. Power Corp. Ltd.  
 Greater Noida


2.15	Undertake for compliance with Indian Electricity Rules and other Authorities Regulations -All overhead lines shall comply with the requirements of the Indian Electricity Act and Rules made there under and the regulations or specification as laid down by railways or railways electrification authorities ,post and telegraphs department ,roadways or navigation or aviation authorities ,local governing bodies,defece authorities and power and telecommunication coordination committee ,wherever applicable	Yes	
3	Other documents and drawings to be furnished by the applicant		
3.1	Method of laying or overhead Electrical line	Yes	
3.2	Draft License Agreement	Yes	
3.3	Performance bank guarantee in favour of NHAI has to be obtained @Rs.100 per running meter (parallel to NH ) and Rs.100000/-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 area ,clearing the debris/loose earth etc.produced.	Not Applicable as the tower is beyond the right of way of NHAI	
3.4	Strip plan/Route plan showing Overhead Electrical line ,chain-age,width of ROW ,distance of proposed structures (Tower ,Tension tower,and pole for HT line only ) from the edge of ROW ,important mile stone ,intersections,cross drainage work any other structures existing or proposed etc.	Yes	
4	Certificate from the Project Directors		
4.1	Certificate confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of all standard condition issued vide ministry Circular No: NH-III/P/20/77 dated 08-04-1982,Indian Electricity Act-1910,Indian Electricity Rules 1956, IRC : 32-1969, IS :5613-1976 Part-I to IV and NHAI's guideline.	Yes	
4.2	Certificate from PD in the following	To be provided by NHAI	
	i) "It is certified that any other location of the electric line would be extremely difficult and unreasonable costly and the installation of Electric line within ROW will not adversely affect the design ,stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway,easing of curve etc".		
	ii) For 6 lanning		



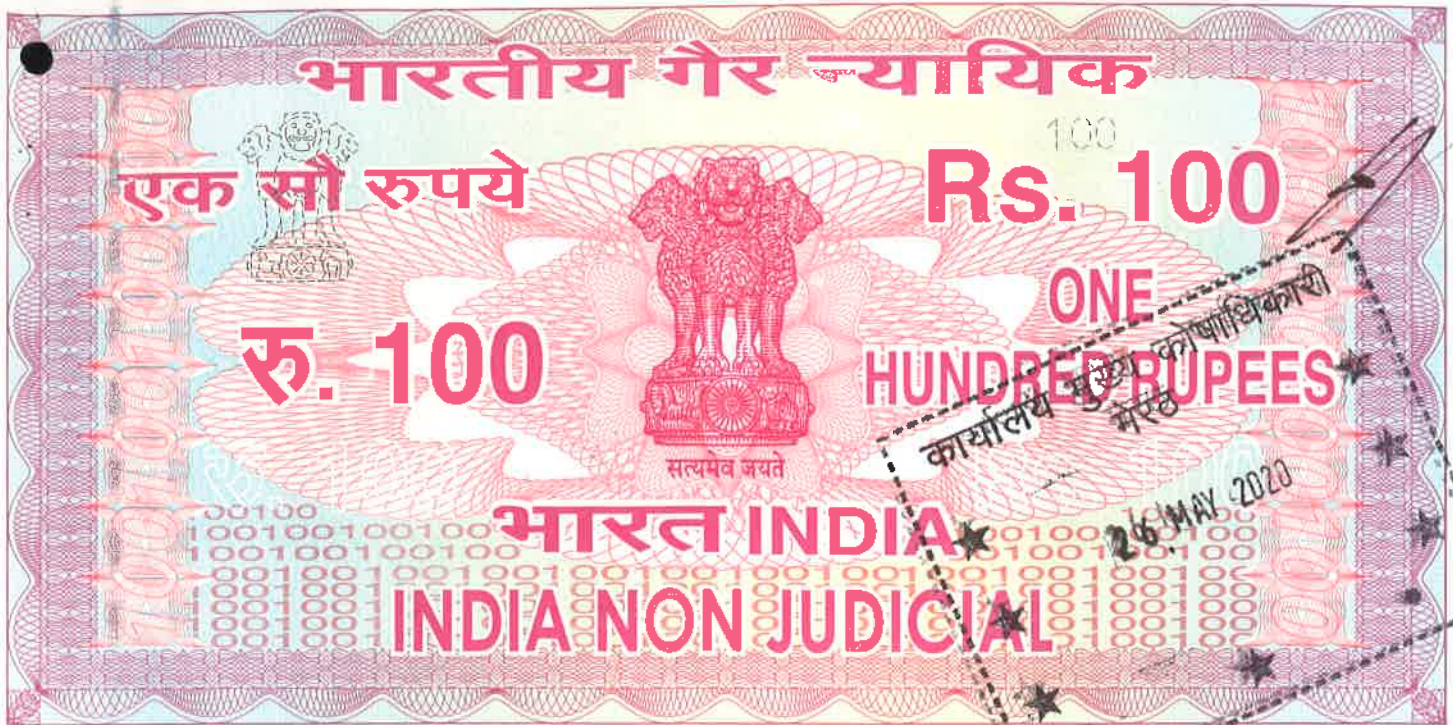
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.

	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location		
	b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six lanning		
5	If NH section proposed to be taken up by NHAI on BOT basis -a clause is to be inserted in the agreement , "The permitted Highway on which license has been granted the right to lay overhead Electrical line has also been granted the right of way to concessionaire under the cocession agreement for up-gradation of (Km 163 to Km 164 No:222(New NH : 61) on build ,operate and transfer basis ) and therefore ,the license shall honour the same.	To be provided by NHAI	
6	Who will supervise the work of laying of overhead electrical line	UPPTCL	
7	Who will sign the agreement on behalf of overhead electrical line agency	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta – Makora Road V&P Pali, Gr. Noida	
8	who will ensure that the defects in road portion after laying of overhead electrical line are corrected and if not corrected then what action will be taken	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta – Makora Road V&P Pali, Gr. Noida	
9	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta – Makora Road V&P Pali, Gr. Noida	
10	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Not Applicable	
11	If any previous approval is accorded for laying of overhead electrical line then photocopy of register of records of permissions accorded as maintained by PD may be enclosed.	Not Applicable	
For UPPTCL		For National Highway Authority of India	



  
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 Electricity 400 KV S/S Division  
 U.P. Power Corp. Ltd.  
 Greater Noida





उत्तर प्रदेश UTTAR PRADESH


EZ 414539

**AGREEMENT REGARDING GRATING OF RIGHT OF WAY PERMISSION FOR LINE LAYING UTILITY SERVICE ON NATIONAL HIGHWAY**

Agreement to the crossing 220 KV D/C Greater Noida (765KV) - IITGNL(220KV)Trans/Line at Ch. No. 83.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida ,Tehsil- Gr. Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

This agreement made (month) of

(Year) Between Project Director ,NHAI, Meerut acting in this executive capacity through Govt. of India (here in after referred to as the "authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns ) On the one part , and Electricity Works Division, Gr. Noida, a company registered under the companies Act,1956 and having its registered office at through Shri Sudhir Kumar, Executive Engineer, Electricity Transmission Works Division, Meerut Zone, Transmission staff colony ,400KV substation Gr. Noida (UP) (Hereinafter called the "Licensee") Which experience shall unless excluded by repugnant to the context , include this successors / administrator assignees on the second part.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida

Whereas the authority is responsible, inter-alia, for development of land in NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District – Goutam Buddha Nagar in the state of Uttar Pradesh Row.

Whereas the Licensee proposes to crossing/lay HT cables/ducts in NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District – Goutam Buddha Nagar in the state of Uttar Pradesh Row.

Whereas the licensee has applied to the authority for permission to crossing/lay HT overhead transmission line at Km Ch. No. 83.730 KM (From Gr. Noida towards Palwal near Village Ladpura) on NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District – Goutam Buddha Nagar in the state of Uttar Pradesh.

And whereas the authority has agreed to grant such permission on the terms and conditions hereinafter mentioned.

Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the licensee to be observed and performed, the authority hereby grants to the licensee permission to crossing/lay HT overhead transmission lines per the approved drawing attached here to subject to the following conditions, namely.

- 1) ROW permission are only enabling in nature. The purpose of extending the way leave facility on the national highway ROW is not for enhancing the scope of activity of a utility-service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
- 2) No License shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements shall be final and binding on all concerned parties. In case any disruption /damage is caused to cause any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
- 3) The License shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging, finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility industrial infrastructure facilities.
- 4) The License shall pay license fees @ Rs. \_\_\_\_\_ / sq.m/ month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the License, for laying of

  
Executive Engineer  
400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



utilities/Cables/ conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.

- 5) Fee shall have to pay in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charges. Delay in deposition of fee shall interest @15% per annum compounded annually.
- 6) Present policy of the MORTH & NH is to provide a 35 mtr. Wide utility corridor on either side of the extreme edge of Row. In cases where cable ducts with sufficient space are already available along NH, the cables shall be laid in such ducts subject to technical requirements being fulfilled.
- 7) The utility service shall be laid at the edge of the ROW. In case of restricted width ROW, which may be adequate only to accommodate the carriageways, central verge, shoulders, slopes of embankment and drains, the cables shall be laid beyond the toe line of the embankments and clear of the drain.
- 8) The licenses shall make his own arrangement for cross drainage structure, rivers, etc. Below the bed. In case, this is not feasible; the cables / may be carried outside the railings/parapets and supported on brackets fixed to the outside of the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned authority which has granted such permission. Additional cost on account of fixing and supporting arrangement as assessed by the authority shall be payable by the licensee.
- 9) In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject 10 the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that 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.
- 10) The utility services shall cross the National highway preferable on a line normal to it or as nearly so as practicable.

  
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Greater Noida



- 11) The casing/ 220 kv D/C line crossing the road may be installed under the road embankment either by boring or digging a trench, installation by boring method shall be preferred.
- 12) The license shall ensure making good the excavated trench for laying utility services by proper filling and compaction , so as to restore the land into the same condition as it was before digging the trench, clearing debris /loose earth predicted due to execution of trenching at least 50m away from the edge of the right of way.

All required restoration work subsequent to laying of the cable to be undertaken by the Licensee at its cost either by itself or through it authorized representative in consultation with the authority as per predetermined time schedule and quality standards. .


- 13) Prior to commencement of any work on the ground, a performance bank Guarantee @ Rs.....per route meter, Rs..... per .m. with a validity of one year initially (extendable if required till satisfactory completion of work ) shall have been furnished by the Licensee to the authority its designated agency as a security against improper restoration of ground in terms of filling unsatisfactory compaction damages caused to other underground installations utility services & interference, interruption, disruption or failure caused thereof to any services etc. in case of the Licensee failing to discharge the obligation of making good of the excavated trench other restoration work, the authority shall have right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture of the bank guarantee.
- 14) In case, the performance bank Guarantee is involved as mentioned above, the licensee shall be required to replenish and reinstate the required performance bank Guarantee within one month of required to replenish and reinstate the required performance bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of me authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period on one year. Notwithstanding this, the licensee shall be liable to full compensation to the aggrieved Authority/its designated agency for any damage sustained by them by reason of the exercise of the ROW facility.
- 15) The License shall shift the utility services within 90 days (or as specified by the respective Authority ) from the date of issue of the notice by the Concerned Authority to shift/widening of the road/route highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.

  
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Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida

- 16) The licensee shall be responsible to ascertain from the respective agency in the coordination with authority, regarding the location of other utilities underground installations/facilities etc. before commencement of the excavation using the existing cable ducts. The licensee shall procure insurance from a reputed insurance company against damages to already existing underground installation/utilities/facilities etc.
- 17) The licensee shall be solely responsible liable for full compensation indemnification of concerned agency aggrieved authority for any direct, indirect or consequential damage caused to them claims or replacements sought for, at the cost and risk of the licensee. The concerned agency in coordination with authority shall also have a right make goods such damage recover the claims by for future of bank guarantee.
- 18) If the licensee fails to the comply with any condition to the satisfaction of the authority, the same shall be executed by the authority at the cost and risk of the license.
- 19) Gram of license is the subject to the licensee satisfy ins: (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the licensee should avoid cutting of the road for crossing highway and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reason the road needs to be cut for crossing or laying its services, the licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards. In case of licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the authority shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture; of the bank guarantee.
- 20) The License shall inform/give a notice to the concerned agency designed by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair work have to be furnished by the License.
- 21) Each day, the extent of digging the trenches should be strictly regulated so that cables are laid and trenches filled up before the close of the work that day Filling should be completed to the satisfaction of concerned agency designated by the Authority.
- 22) The License shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims,
- 23) The permission for laying utility service is granted maximum for 5 year at a tie, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal. The permission shall automatically be renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compound annually.

  
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U.P. Power Corp. Ltd.  
Greater Noida

- 24) The permission shall be valid only for the period it is issued and fee deposited. However, the authority also has a right to terminate the permission or to extend the period of Agreement.
- 25) That the License shall not undertake any work of shifting, repairs or alteration to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
- 26) The permission granted shall not in any way be deemed to convey to the License any ownership right or any interest in route /road/highway land/property, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than that specified in the Agreement.
- 27) During the subsistence of this Agreement, the HT electric transmission line located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the License to the use thereof shall not become absolute and indefeasible by lapse of time.
- 28) The License shall bear the stamp Duty charges on this Agreement.
- 29) Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cable in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record a month of completion of work.
- 30) The License shall allow free access to the site at all times to the authorized representatives of Authority to inspect the project facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
- 31) The utility service shall not be made operational by the License unless a completion certificate to the effect that the HT Cable/Ducts has been laid in accordance with the approved specification and drawings and the trench has been filled up to the satisfaction of the concerned agency in co-operation with the Authority has been obtained. Notwithstanding anything contained herein this Agreement may be cancelled at any time by the Authority for breach of any condition of the same and the License shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
- 32) The License shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practice, methods and standards shall be adjusted as necessary, to take account of:
- A. Operation, repair and maintenance guidelines by the manufacturers.
- B. The requirements of Law.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



- C. The physical conditions at the Site, and.
- D. The safety of operations personal and human beings.

- 33) The License have to provide safety measure like barricading, danger lighting and other necessary caution boards while executing the work.
- 34) If any traffic diversion works are found necessary during the working period, such diversion shall be provided at the cost of License.
- 35) After the termination/expiry of the agreement, the license shall remove the Cable/ducts within 90 days and the site shall be brought back to the original condition failing which the License will lose the right to remove the cables/ducts. However, before taking up the work of removal of cables the License shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the authority as a security for making clearing debris, loose earth predicted due to excavation of trenching at least 27m. Away from the edge of the ROW.
- 36) Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the High Level Committee comprising the designed representatives of the Authority, License and the concerned agencies and the decision of the committee shall be final and binding on all.
- 37) FOR Transmission line Project , in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of cables ducts by the License, compensation for the same shall be required to be borne by the License in mutual agreement with the respective project concessionaire in any way in this regard.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida

BY SHRI

Project Director, NHA, Urbtech NRX building, 4<sup>th</sup> floor Sector 153, Noida.

(Signature, Name & Address with stamp)

SIGNED ON BEHALF OF ELECTRICITY WORKS DIVISION, Gr. Noida.

By Shri Sudhir Kumar.

Executive Engineer, Electricity 400 kV Division S/S Greater Noida.

(Signature, Name & Address with stamp)

IN THE PRESENCE OF (WITNESSES)

1.

Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida

2



उत्तर प्रदेश UTTAR PRADESH

83AD 305285

#### UNDERTAKINGS

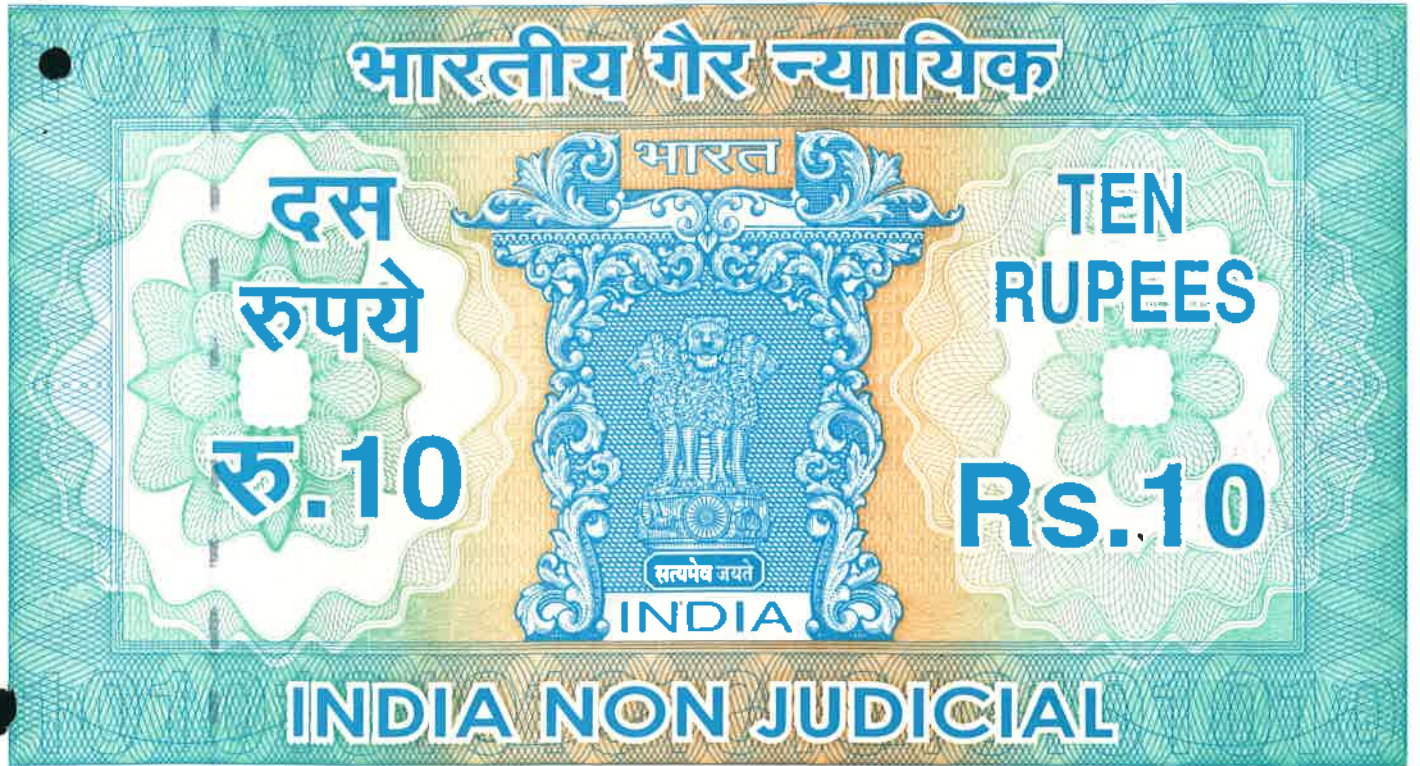
Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) – IITGNL(220KV)Trans/Line at Ch. No. 83.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District – Goutam Buddha Nagar in State of Uttar Pradesh.

I, **SUDHIR KUMAR**, Executive Engineer, Electricity Transmission Works Division, Gr. Noida, Meerut Zone, do hereby give undertaking that Department Will not damage any other utility services already laid along across proposed route.

1. We will confirm all standard condition of NHAI's Guidelines while executing the work.
2. We indemnify NHAI against all damages and claims under clause xxiv.
3. We have submitted department letter in flavour of authorized signatory.
4. Whenever ROW (left/right) is less than 26 m of the centre of nearest carriageway, negotiating with shopkeepers & private land owners so as to avoid any damage to the road infrastructure.
5. While executing the work, all safety measures will be ensured. We will be solely responsible if there by any accident or miss-happenings at the site due to our acts.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida





उत्तर प्रदेश UTTAR PRADESH

83AD 305287

### UNDERTAKINGS

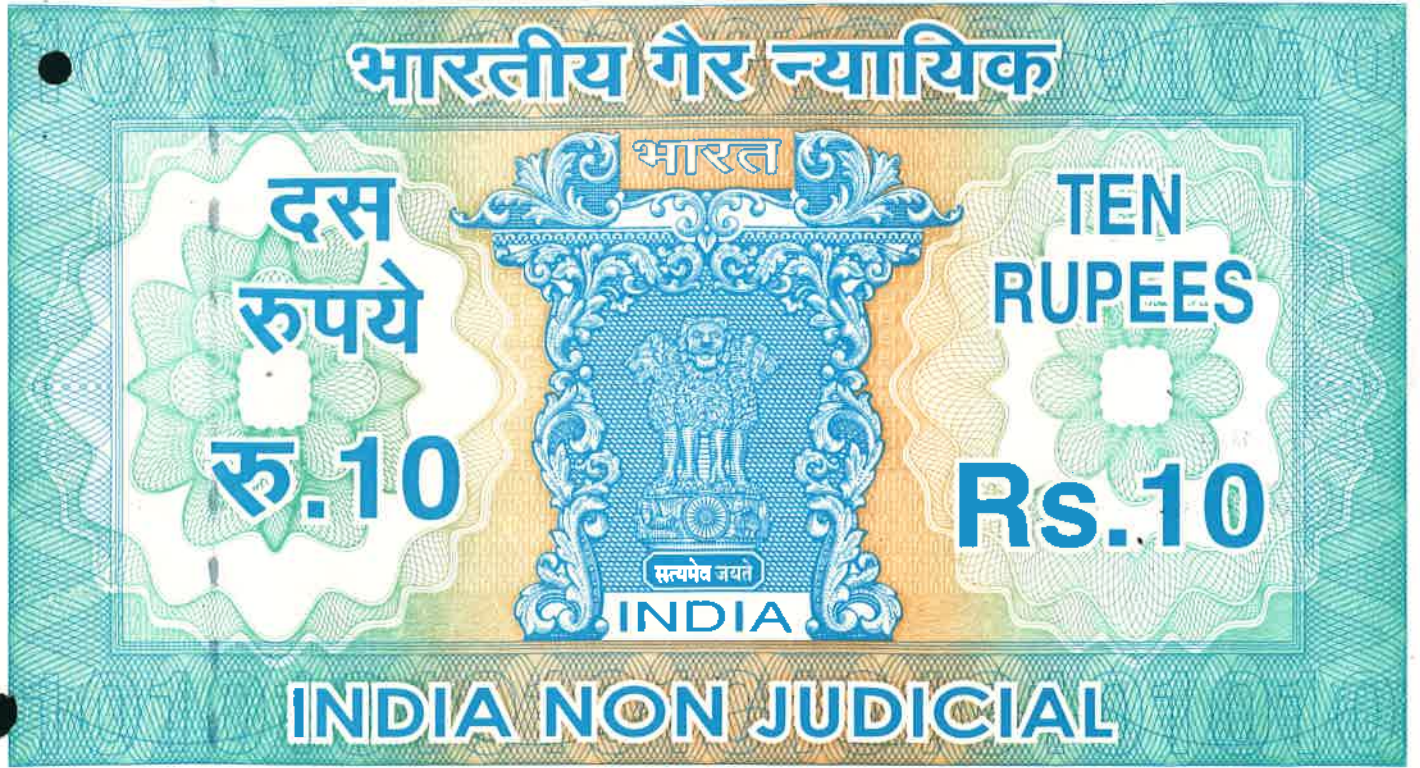
Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) -IITGNL(220KV)Trans/Line at Ch. No. 83.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr.Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

I, **SUDHIR KUMAR**, Executive Engineer, Electricity Transmission Works Division, Gr. Noida, Meerut Zone. We declare that during the execution of work we will be abiding following additional conditions.

- (i) Ministry of Road Transport & Highway guidelines shall be strictly followed.
- (ii) Electricity Transmission works Division, Gr. Noida, Meerut Zone, shall be responsible in case damages due to leakage of 220 kV Line.
- (iii) Electricity Works Transmission Division, Meerut Zone, Meerut shall ensure that there is not traffic disruption during the execution of work.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida





उत्तर प्रदेश UTTAR PRADESH

83AD 305288

#### UNDERTAKINGS

Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) –IITGNL(220KV)Trans/Line at Ch. No. 83.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida ,Tehsil- Gr. Noida & District – Goutam Buddha Nagar in State of Uttar Pradesh.

I, **SUDHIR KUMAR**, Executive Engineer, Electricity Transmission Works Division , Gr. Noida, Meerut Zone. Meerut on behalf of Electricity works Division ,do hereby give undertaking that.

1. We pay license fee whenever required by NHAI/MORTH.
2. We pay the rent whenever required by NHAI/MORTH.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida





**UNDERTAKINGS Regarding Submission for Performance Bank Guarantee**

उत्तर प्रदेश UTTAR PRADESH 8348 705250  
Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) –IITGNL(220KV)Trans/Line at Ch. No. 83.730 from Gr .Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr .Noida ,Tehsil- Gr. Noida & District – Goutam Buddha Nagar in State of Uttar Pradesh.

I, **SUDHIR KUMAR**, Executive Engineer , Electricity Transmission Works Division , Gr. Noida, Meerut Zone.

On behalf of Electricity works Division, do hereby give undertaking that.

A performance Bank Guarantee @ Rs.100/- per meter (parallel to NH) and Rs.1,00,000/- per crossing with the validity of one year initially, extendable if required till satisfactory compaction / restoration and damage costs to other underground installation /utility service and interference, interruption ,disruption of failure to any services.

Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida





**AFFIDAVIT**

उत्तर प्रदेश UTTAR PRADESH

09AF 698519

I, **SUDHIR KUMAR**, Executive Engineer , Electricity Transmission Works Division , Gr. Noida, Meerut Zone , Meerut on behalf of Electricity Transmission Works Division , Meerut Zone, Meerut do hereby give solemnly affirm and state on oath as follows.

1. That the deponent is as Executive Engineer already authorized to sign each and every paper on behalf of firm Electricity Transmission Works Division, Gr. Noida, Meerut Zone.
2. That the deponent has license Electricity Transmission Works Division, Meerut Zone, Meerut Construction Maintenance And responsibility during the period of license deed by me of the own cost.
3. That the deponent's signature is certified by notary, which is as below, and signed by the deponent.

**DEPONENT**

I, the above named deponent do hereby verify that the contents of this Affidavit from Para 1 to 3 are true to the best of my personal knowledge.

Nothing is false or conceals there in.

**DEPONENT**


  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida





उत्तर प्रदेश UTTAR PRADESH Sudhir Kumar Executive Engineer (U.P.P.T.C.L) Electricity 400 kV S/S Greater Noida on behalf of UTTAR PRADESH POWER TRANSMISSION CORPORATION LIMITED ( A Govt. of State Undertaking) Division office 400 kV S/S Greater Noida do hereby undertake in respect our proposed erection of overhead of 220kv D/C Gr. Noida(765)-IITGNL (U.P.P.T.C.L.) transmission line for crossing of NHAI- Eastern Peripheral Expressway between chainage No. 85+730 Near Village Ladpura, Teshil Sadar Dist. G.B Nagar (UTTAR PRADESH) as per enclosed map/drawing further.

1. U.P.P.T.C.L will pay necessary fee for the use of National Highway land whenever it fee is asked by the highway authority in future.
2. U.P.P.T.C.L undertake that it will relocate EHV line as per applicable rules not with standing the permission grant within such time as will be stipulated by NHAI for future site landing in interest of safety and other development activities.
3. Certified that no other structure will be erected nor other services will be rented within the ROW of NHAI- Eastern Peripheral Expressway with out prior permission of NHAI
4. U.P.P.T.C.L will take own responsibility due to any miss happening during execution of work at site crossing

  
Executive Engineer  
Electricity 400 KVS/S Division  
U P Power Trans Corp. Ltd  
Greater Noida

5. It is ensured that all safety measure will be taken during execution of work at site/ crossing.
6. U.P.P.T.C.L will be responsible for necessary alteration including complete removal/ shifting of transmission line tower at their own cost, if so required by NHAI / Ministry.
7. U.P.P.T.C.L will responsible to maintain compliances to the terms and condition against the granting of NOC.
8. U.P.P.T.C.L will responsible for all kinds of liabilities arising during or after execution.
9. U.P.P.T.C.L at its own cost shall shift or modify as per the requirement of NHAI .
10. The vertical clearance should be 21.1x0 mtr. and the variation should not be more than +/-0.1 mtr.
11. U.P.P.T.C.L undertaken that all minimum clearances will be maintained as stipulated in IE rules and other relevant codes.

FOR U.P.P.T.C.L

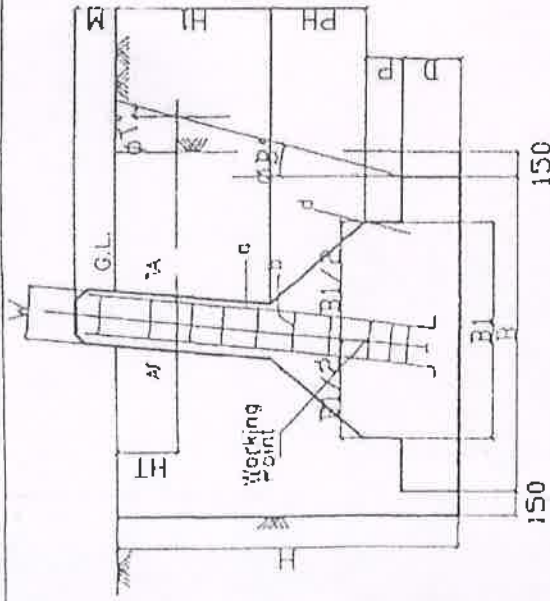
  
Executive Engineer  
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U P Power Trans Corp. Ltd  
Greater Noida



KALPATARU POWER TRANSMISSION LTD.  
GANDHINAGAR  
INDIA

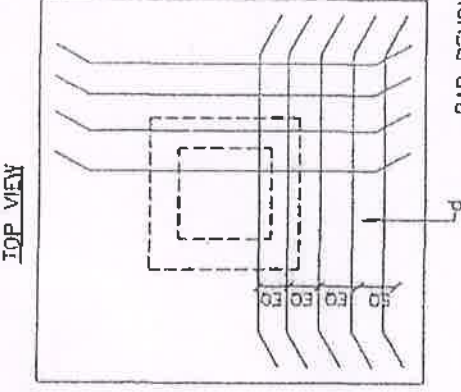
# FOUNDATION SKETCH

SHEET NO. : 7 OF 7  
DESIGN NO. : 10/FDN-FS-31  
TOWER TYPE : C60+25M  
SOIL TYPE : FS (FULLY SUBMERGED)

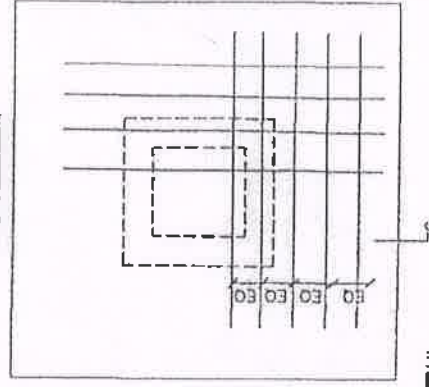


H	3000
B	4380
W	520
M	225
P	50
D	200
B1	3980
PH	2210
H1	540
H1	---
ØT	---
ØB	15
rs TOP	---
rs BOT	940

TOP VIEW



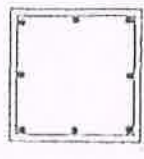
BOTTOM VIEW



BAR BENDING DETAIL

## QUANTITY / TOWER

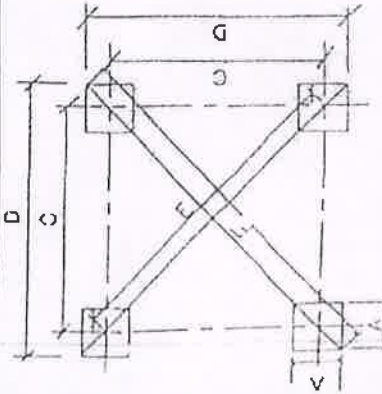
CONCRETE VOL M <sup>3</sup>	1:2:4	72.915
EXCAVATION VOL. M <sup>3</sup>	1:3:6	---
STEEL KG		262.829
		189.00



VIEW AT A-A

## EXCAVATION DIMENTION TABLE

C60+25M	
A	4680
C	24099
D	28779
E	34081
F	40699



EXCAVATION DETAIL AT WORKING POINT

MARK	SHAPE & SIZE	STEEL GRADE	DIA	UNIT WT KG/M	LENGTH	QTY/ LEG	TOTAL WT / LEG
a	Ø 3025	Fe 415	16 Ø	1.578	3275	8	41.344
b	420	Fe 250	6 Ø	0.222	1780	15	5.927
c							
d							

TOTAL WEIGHT / LEG 47.271

EMC LIMITED (P.N.657)

This Drawing/ECM is also to be used for  
UPPTCL 220 kV D/C Transmission Line.  
Specification no:- TD-396/15, Package- 3

EMC LIMITED (P.N.652/653)

This Drawing is also to be used for UPPTCL  
220 kV D/C Transmission Line.  
Specification no:- TD-395/15, Package- 1 & 2

Executive Engineer

Electricity 400 KVS/S Division  
U P Power Transmission

**AECOM/NHAI/PIU/EPE-II/2019/975**  
**October 10<sup>th</sup>, 2019**

To,  
**Project Director**  
**National Highways Authority of India,**  
**Project Implementation Unit (Noida),**  
**URBTEC NPX,**  
**Plot No. C1, Sector 153**  
**NOIDA (NCR).**

**Subject: - Approval for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway-reg.**

**Ref: - 1.NHAI/PIU-EPE-II/EPE/AE/F-171/2019/D 3788. dated 26.06.2019**

Dear Sir

Vide letter cited above this office has received proposal from Executive Engineer UPPTCL Gr. Noida, For Approval of overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 as per actual chainage marked at site.

In this regard comments are as under: -

1. The applicant has submitted proposal for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 as per actual chainage marked at site
2. The proposal received by this office, on above subject is with one copy of Letter of Executive Engineer UPPTCL Gr. Noida, Tower Schedule from AP 51 to AP-54, Detail of 220 KV D/C Gr. Noida (765 KV)-IITGNL Transmission Line, Licence Deed and Drawing of tower From AP 51 to AP-54.
3. Typical cross section applied at Ch. 85.000 to 86.000 is TCS 2.TCS and Plan and Profile must be kept in mind before commencement of work, for crossing the overhead H.T. line. (attached for Reference)
4. If applicable the performance Bank Guarantee, Security deposit and prescribed fee in favor of NHAI must be submitted as per guideline of NHAI.
5. License deed is submitted as per requirement.
6. Submitted drawing shows clearance under maximum Sag condition between lowest conductor of the proposed line and existing Road of Eastern peripheral Expressway is 27.200 M, Angle of crossing is 89° 25' 42" The Applicant must be asked to execute the work accordingly.
7. All necessary clearance including forest etc., if any shall be obtained by applicant from the concerned department.
8. It is advisable to inform the applicant that the work of crossing EP-II should be avoided in heavy rainy season.
9. Applicant shall at own cost ensure that all safety measures are taken and there should not be any hindrance to traffic movement during executing of above subjected work.
10. Applicant has to execute the work keeping in view of existing utilities if any available within ROW.
11. Before commencement of work, Applicant must be asked to give prior information of the work schedule to Project Director, PIU, EPC and with a copy to AE EPE II.

**HEAD OFFICE:**  
 3rd Floor, Tower A  
 Building 8, DLF Cyber  
 City - Phase-III Gurgaon - 122002  
 Haryana, India  
[urswkt@gmail.com](mailto:urswkt@gmail.com)

**SITE OFFICE:**  
 URS Scott Wilson India Private Ltd.  
 D-221, Sector P-3  
 Near Pari Chowk,  
 Greater Noida, U.P.

**REGISTERED OFFICE:**  
 URS Scott Wilson India Private Ltd  
 Place of Registration: India  
 Corporate Identification Number: U74899DL1994PTC061963  
 Registered Office: Flat No. 513, Vishwadeep Tower,  
 District Centre, Janakpuri, New Delhi 110058, INDIA

12. In view of above and subject to compliance of conditions suggested herein above, permission for overhead crossing of 220 KV D/C Gr. Noida (765 KV)-IITGNL (220 KV) Transmission line over Eastern Peripheral Expressway at Chainage 85.730 may be accorded to the Executive Engineer, UPPTCL with the condition that work of overhead crossing the above mentioned location shall be carried out without disturbing traffic movement.

This is for your information and necessary action.

Yours sincerely,

For, URS Scott Wilson India Private Limited  
In JV with Consulting Engineers Group Ltd.  
In Association with AECOM India Pvt. Ltd.

RK GARG  
TEAM LEADER

*[Signature]*  
10/10/2009  
(R. K. Garg)  
Team Leader



- Encl: 1. Detail of H T line is attached as per annexure- 1  
2. Detail of ROW is attached as per Annexure-2  
3. Typical cross section applied at Ch. 113 + 000 to 114+000 is TCS 2. Annexure-3  
4. Plan and Profile. Annexure -4

CC: CGM (T)/RO, HO, NHAI, Dwarka, New Delhi.  
CC: Project Coordinator (AECOM) Gurgaon.



**Annexure-1**

**220KV D/C Gr. Noida (765) IITGNL TRANSMISSION LINE Proposal for National Highway (Eastern Peripheral)**

<b>1. Name and Details of the Existing National Highway.</b>	<b>N.H-Eastern Peripheral Expressway-II (EPE-II)</b>
<b>2. Situation of crossing NH-boundary to Location.</b>	Crossing at Km 85+730 of EPE-II Between AP 52/0 and AP 53/0  From AP 52/0: - 85.00M From AP 53/0: - 115.00M
<b>3. Span at the crossing and also those on either side of crossing.</b>	Crossing Span: - 280.00m Preceding Span: - 250.00m Succeeding Span: -300.00m
<b>4. Angle of crossing</b>	89° 25'42" deg.
<b>5. Structure used to cross the existing National Highway and its deviation angle.</b>	AP 52/0: - C+25/30°07'43" LT AP 53/0: - C+25/47° 58'08" RT
<b>6. Conductor used to cross the power Line and its Details.</b>	Conductor Details: - (i) Name- ACSR ZEBRA (ii) Diameter- 28.62 mm (iii) Cross sectional area- 484.50sq mm (iv) Weight of conductor-1.621 kg/m (v) Ultimate Tensile strength- 130.32KN (vi) Modulus of Elasticity- 65.8448 kg/sq. mm/100
<b>7. Clearance under maximum sag conditions between lowest conductor of the proposed line and existing road.</b>	Clearance 27.200 m.



**ANNEXURE -2**

Table showing ROW of Expressway EPE II at Km. 85.730

Sr. No.	Chainage (KM)	ROW on LHS (Meter)	ROW on LHS (Meter)	Total ROW (Meter)
1.	85.730	50	50	100

*Handwritten signature*

*Handwritten signature*



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(राष्ट्रक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

परियोजना कार्यान्वयन ईकाई ई.पी.ई.-II, नोएडा

अर्बटेक एन.पी.एक्स. बिल्डिंग, चतुर्थ तल, सेक्टर-153, नोएडा, उ.प्र.-201312

## National Highways Authority of India

(Ministry of Road Transport and Highway, Govt. of India)

Project Implementation Unit EPE-II, Noida

Urbtech NPX Building, 4th Floor, Sector-153, Noida, U.P.-201312

Email : pluepe2@nhai.org

NHAI/PIU-EPE-II/EPE/AE/F-171/2019/D-3788

Dated: 26.06.2019

To

Authority Engineer  
M/s URS Scott Wilson India Private Limited  
In JV with Consulting Engineering Group Ltd.  
In Association with AECOM India Pvt. Ltd.  
D-221, Sector P-3, Near Pari Chowk  
Greater Noida, Gautam Budh Nagar

Sub: Development of Six Lane Eastern Peripheral Expressway from Km. 71.000 to Km. 93.000 on (NH No. NE-II) in the state of Uttar Pradesh on EPC Mode -Approval for overhead crossing of 220 KV D/C Gr. Noida (765 KV)- IITGNL (220 KV) transmission line over Eastern Peripheral Expressway- reg.

Ref: - UPPTCL letter no. 854 dated 19.06.2019.

Sir,

Please find enclosed herewith a copy of above cited letter, vide which UPPTCL has informed that to 220 KV D/C Gr. Noida (765 KV)- IITGNL (220 KV) transmission line is under construction and in between tower location no. AP 52 & AP 53 this line is crossing Eastern Peripheral Expressway 2.303 KM from Greater Noida towards Palwal near village Ladpura & Imalyaka Dist. G.B. Nagar in the state of Uttar Pradesh.

In this regard, you are requested to examine the same as per NHAI guidelines and submit your comments/recommendations to this office at the earliest.

*Amam*  
26/06/19  
for Project Director  
PIU, EPE-II

Copy to:

1. M/s Ashoka Buildcon Limited for information



कार्यालय  
अधिरासी अभियन्ता  
विद्युत 400 के०वी० उपकेन्द्र खण्ड  
उत्तर प्रदेश पावर ट्रांसमिशन  
कारपोरेशन लिमिटेड  
तिलपता मकोडा रोड,  
ग्रेटर नोएडा -201 306  
दूरभाष-0120-2930543



Office Of The  
Executive Engineer  
Electricity 400 kV Sub-Station Division  
U.P. Power Transmission Corporation Ltd.  
Tilapata - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptcl.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

पत्रांक/No-... 854... अडिओ(EE)/ग्रे०नौ०(GN)/

Dated/दिनांक- 19/06/19

**Subject: - Approval for overhead crossing of 220 kV D/C Gr Noida (765 kV)- IITGNL (220 kV) transmission line over Eastern Peripheral Expressway.**

Project Director  
National Highways Authority of India  
3<sup>rd</sup> Floor, Urbtec Building NPX  
Sector- 153 Noida  
G.B. Nagar

राष्ट्रीय राजमार्ग २०५  
पी०आई०यू०-३, ए०बी०नगर, नोएडा  
प्राप्त किया 21/06/2019  
दिनांक 21/06/2019

aman (NP)  
21/06

Sir,

With reference to above cited subject it is to inform you that 220 kV D/C Gr Noida (765 kV) - IITGNL (220 kV) transmission line is under construction and in between tower location no. AP 52 & AP 53 this line is crossing Eastern Peripheral Expressway 2.303 KM from Greater Noida towards Palwal near village Iadpura & Imalyaka Dist. G.B Nagar in the state of Uttar Pradesh.

In view of above, it is requested to grant the approval for crossing Eastern Peripheral Expressway of above-mentioned line at the earliest for taking further & necessary action in this matter.

(Sudhir Kumar)  
Executive Engineer

No. / 400 kV (GN)/

Dated-

Copy forwarded to following for kind information and necessary action:-

1. Superintending Engineer, Electricity Transmission Circle, Greater Noida.

(Sudhir Kumar)  
Executive Engineer

**PROPOSAL FOR EASTERN PERIPHERAL EXPY  
NATIONAL HIGHWAY CROSSING**

**220 KV D/C Gr.NOIDA (765)-IITGNL Tr. LINE**

**BETWEEN  
AP-52 TO AP-53**

**DISTRICT- GAUTAM BUDH NAGAR**



**UNDER  
Electricity Transmission Division- Gr.Noida Pali  
Electricity Transmission Circle- Gr.Noida Pali  
Transmission Zone Meerut**

## CLINT : U.P. POWER TRANSMISSION CORPORATION LTD.

## SIMPLEX INFRASTRUCTURE LTD.




## 220KV D/C Gr. NOIDA(765kv) - IITGNL TRANSMISSION LINE

## TOWER SCHEDULE FORM AP-51 TO AP-54

S. No.	Loc. No.	Tower Type	Span (m)	Angle of Deviation (Deg)	Sectional Length	Wind Span (m)	W/L Span (Hot)		W/L Span (Cold)		Adjacent Span		Northing	Easting	Elevation	Remarks
							Left	Right	Left	Right	Left	Right				
1	AP-50	DB+0	250	09°30'21"	RT	287	163	64	227	163	42	205	324	250	574	203.00
2	AP-51	DC+10	250	00°00'00"		250	186	33	219	208	0	208	250	250	500	202.88
3	AP-52	DC+25	280	32°07'43"	LT	265	217	143	360	250	144	394	250	280	530	202.80
4	AP-53	DC+25	300	47°58'08"	RT	290	137	228	365	136	256	392	280	300	580	202.20
5	AP-54	DC+10		09°54'43"	LT	300	72	172	244	44	175	219	300	330	630	202.00
TOTAL--1080 Mtr																

FOR SIMPLEX LTD.

For UPPTCL

Prepared By 	Checked By 	Submitted By 	Executive Engineer Electricity 400 KVS/CS Division U.P. Power Transmission Corp. Ltd. Greater Noida	अधी.क्षण अभियन्ता विद्युत पारेषण मंडल प्रमाणित By
--	---	---	--	---



**220 KV D/C Gr.NOIDA (765) - IITGNL TRANSMISSION LINE**  
**PROPOSAL FOR NATIONAL HIGHWAY (Eastern Peripheral)**

1. Name and Details of the Existing National Highway.	<b>N.H- Eastern Peripheral DELHI TO PALWAL NATIONAL HIGH WAY.</b>  KM Stone No:-  KM Stone No:- 85.730
2. Situation of crossing NH Boundary to Location.	Crossing at Km 85.730 on EPE-II Between AP 52/0 and AP 53/0  From AP 52/0:- 85.00 m From AP 53/0 :- 115.00 m
3. Span at the crossing and also those On either side of crossing.	Crossing Span :- 280.00m - 263 Preceding Span :- 250.00 m Succeeding Span :- 300.00 m
4. Angle of Crossing	89°25'42" deg.
5. Structure Used to cross the existing National highway and its deviation angle.	AP 52/0 :- C+25 /30°07'43" LT  AP 53/0 :- C+25 /47°58'08" RT
6. Conductor used to cross the Power Line and its Details.	<b>Conductor Detail:-</b>  (i) Name :- ACSR ZEBRA (ii) Diameter :- 28.62 mm (iii) Cross-Sectional area :- 484.50 sq mm (iv) Weight of conductor :- 1.621 kg/m (v) Ultimate Tensile strength :- 130.32KN (vi) Modulus of Elasticity :- 65.8448 kg /sq mm/100
7. Clearance under maximum sag Conditions between lowest Conductor of the proposed line And existing road.	Clearance 27.200 m.

*Final  
Avinash Mehta  
desheja  
J-B (UPPCL)*

*Subj.*



*[Signature]*  
 Executive Engineer  
 Electricity 400 KVS/S Division  
 U P Power Trans Corp. Ltd  
 Greater Noida

LICENCE DEED FOR LAYING OF OVERHEAD EHT LINE OVER THE  
NATIONAL HIGHWAY (EASTERN PERIPHERAL)

For laying Overhead 220KV D/C Gr.Noida (765KV) - IITGNL Transmission line for (Pkg-TD 423/17) by Uttar Pradesh Power Transmission Corporation Limited Gr.Noida Pali, (UP) by crossing of National Highway No. NE-II between (2.303km from Gr.Noida towards Palwal), Near Village - Ladpura & Imalyaka, District - Gautam Budh Nagar.

Agreement to lay Overhead 220KV D/C Gr.Noida (765)-IITGNL Transmission line (Pkg-TD-423/17) 2.303 km from Gr.Noida towards Palwal, Near Village - Ladpura & Imalyaka, District - Gautam Budh Nagar (U.P)

An agreement made this..... Day of..... Of 2019 between National Highway Authority of India (Herein after referred to as NHAI) which expression shall unless excluded by or repugnant to the context, include his successors in the office and assign of the one part and Uttar Pradesh Power Corporation Limited a company incorporated under the Companies Act, 1956 having his Registered office at 10<sup>th</sup> floor, Shakti Bhawan Extension 14- Ashok Marg, Lucknow - 226001 and Division office, 400kv Sub Station, Gr.Noida Pali, Gr.Noida.

Hereinafter called the licensee which expression shall unless excluded by or repugnant to the context include his heirs its successors/ their successors and assigns of the other part.


Whereas the license has applied to the Government of permission to lay overhead 220KV D/C Gr.Noida (765) - IITGNL Transmission Line (Pkg. TD-423/17) between 2.303km from Gr.Noida towards Palwal, Near Village - Ladpura & Imalyaka, District - Goutam Budh Nagar, in the state of Uttar Pradesh.

And whereas the Government have agreed to grant such permission terms and conditions hereinafter mentioned.

Now this agreement witness that, in consideration of the conditions hereinafter contained and on the part of the license to the observed and performed, the Government hereby grants to the license permission to lay overhead EHT line as per approved drawing attached here to subject to the following condition namely:-

1. That the license shall within three months the date hereof but without interfering with the road traffic complete the laying overhead EHT line to the satisfaction of the Divisional Engineer/ Project Director in charge of the National Highway (hereinafter referred to as divisional Engineer/ Project Director/ Executive engineeras applicable) in accordance with the drawings and specifications approver by the divisional Engineer/ Project Director/ Executive engineer.



  
Executive Engineer  
Electricity 400 KVS/S Division  
U.P. Power Trans. Corp. Ltd  
Greater Noida

CLINT : U.P. POWER TRANSMISSION CORPORATION LTD.

SIMPLEX INFRASTRUCTURE LTD.

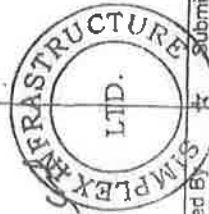
220KV D/C Gr. NOIDA(765KV) - IITGNL TRANSMISSION LINE

TOWER SCHEDULE FORM AP-51 TO AP-54

S. No.	Loc. No.	Tower Type	Span (m)	Angle of Deviation (Deg)	Sectional Length	Wind Span (m)		W.L. Span (Hot)		W.L. Span (Cold)		Adjacent Span		Northing	Easting	Elevation	Remarks
						Left	Right	Left	Right	Left	Right	Left	Right				
1	AP-50	DB+0		09°30'21"	RT	287	163	64	227	163	42	205	324	250	574	203.00	
2	AP-51	DC+10	250	00°00'00"		250	186	33	219	208	0	208	250	250	500	202.88	GAS Pipe Line, Cart Track
3	AP-52	DC+25	250	32°07'43"	LT	265	217	143	360	250	144	394	250	280	530	202.80	
4	AP-53	DC+25	280	47°58'08"	RT	290	137	228	365	136	256	392	280	300	580	202.20	EASTERN PERIPHERAL EXHY
5	AP-54	DC+10	300	09°54'43"	LT	315	72	172	244	44	175	219	300	330	630	202.00	LT Line
TOTAL - 1080 Mtr																	

FOR SIMPLEX LTD.

For UPPTCL



Prepared By

Checked By

Submitted By

Checked By

Executive Engineer

Electricity 400 KVS/S Division

U.P. Recommended By: Ltd

Greater Noida

अध. क्षण अभियन्ता

विद्युत पारिषद मंडल

यूपीएनईडी





GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT & HIGHWAYS  
AN ISO 9001:2008 CERTIFIED MINISTRY

S&R(R) ZONE

IAHE Campus,  
A-5, Sector-62,  
Noida-201301.

F. No. RW/NH-33044/29/2015/S&R(R)

Dated: 22<sup>nd</sup> November, 2016

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

**Subject: Accommodation of Public and Industrial Utility Services along and across National Highways – Policy guidelines regarding.**

Sir,

The Government has realized that development of infrastructure across the Country on a sustainable and integrated manner continues to be an imperative for improving the state of economy, enhancing quality of life of the citizens and ensuring equitable development throughout the country.

Land being among the most precious of natural resources available, optimum utilization of land shall play a critical role in integrated development of infrastructure. One of the ways to effect such optimum utilization is leveraging land within National Highway (NH) Right of Way (ROW) for laying utility services. This may be achieved through granting permissions for laying utility services along and /or across the ROW. However, environment and safety of the road users are the prime factors in deciding permission for utility services. Permission may be denied, if it is not feasible to ensure safety and environment through requisite safeguards. The Administration of ROW, has been defined in the National Highway Land and traffic Control Act 2002 and relevant Rules 2004.

Keeping in view the need for consistency and clarity, in supersession of all the instructions contained in the earlier previous circulars on the subject, following guidelines shall apply for accommodation of Utility Services along and across National Highways.

**2. Laying of Utility Services along the National Highways:**

- 2.1 There shall be a provision for utility ducts for appropriate categories/combination of utilities in the construction of new/4-6 laning of National Highways. The ducts shall be located at appropriate location preferably as close to the extreme edge of ROW.
- 2.2 Utility services shall be laid in the utility ducts, if provided for the purpose.
- 2.3 In stretches where utility ducts have not been provided, the utility services shall be located, beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW as possible. While granting permission, requirement of up-gradation also needs to be kept in view.

*Amey Kumar*

2.4 It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level.

2.5 No utility service shall be laid over existing culverts and bridges except through the utility ducts where such provision exists. In case of absence of such provisions, the Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed.

2.6 In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct in such case shall not be less than one lane. In such cases, it also needs to be ensured that 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.

### **3. Laying of Utility Services across the National Highway:**

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.

3.2 Existing drainage structures shall not be allowed to carry the lines across.

3.3 The utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable.

3.4 The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

3.5 In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm wider, (but not more than 60 cm wider), than the outer diameter of the utility pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

3.5.1 Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.

3.5.2 The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

3.5.3 The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the modified Proctor's density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

3.5.4 The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

3.6 When utilities are allowed overhead, the horizontal and vertical clearance in accordance with the IRC shall be maintained.

4. Procedure for processing application for granting permission for use of highway land: Any person who intends to obtain permission shall make an application online in the prescribed form to Highway Administration or an officer authorized by Highway Administration on his behalf. The application must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosives Safety Organization, Oil Industry Safety

Directorate, State/Central Pollution Control Board and any other statutory clearances as applicable, which must be obtained by the Applicant before applying to the Highway Administration.

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). The permission for laying utility services is to be normally granted within 30 days from the day of closure of public objections and claims. If no communication is received from the Highway Administration within 30 days from the day of closure of public objections and claims, the permission shall be deemed to be granted. The initial permission would be valid for a maximum of 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged.

**5. 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**.

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.

5.1 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).

**License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,**

Utilized NH land area = Outer diameter/width of the concerned utility line X length

5.2 The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters/ junction boxes etc.

**License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,**

Utilized NH land area = Projection of utility on the ground including area of support system/tower

However, for public utilities, area below the support system/tower shall only be charged.

5.3 Fee shall have to be paid in advance for the period for which permission is granted. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

5.4 A system to redress grievances and to consider relaxation from the guidelines, in exceptional cases, shall be notified separately and shall be effective from the date of notification.

**6.** All required restoration, maintenance work subsequent to laying of utility services shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. To process for the granting of permission and prior to signing of Lease agreement, a Performance Bank Guarantee for an amount based on per route metre with a validity of one year initially, in the prescribed format (extendable if required till satisfactory completion of work) shall have to be furnished by the utility service provider/ Licensee, as a security against improper restoration of ground in terms of

*me/Kumar*



filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc.;  
Utility services such as pipes etc (rate in per m)

provided in the ducts already provided	Rs 50
<= 300 mm dia/width	Rs 100
> 300 mm dia/width but < =1000 mm	Rs 250
> 1000 mm	Rs 500
Utility services such as towers etc (rate in Rs per sq m)	Rs 100

In case the Licensee fails to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking.

Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

7. The Authority shall enter into a License Agreement with the respective utility service provider in the format enclosed (**Appendix**) including any other conditions imposed by Highway Administration, to ensure safe and uninterrupted flow of traffic. Post signing of the agreement, the utility service provider shall be designated as 'Licensee' for the purpose of this project and will be authorized to install and operate utility services within the NH RoW. However, utility services shall be made operational by the Licensee only after a completion certificate to the effect is issued by the Highway Administration.

Encls: As above.

*Manoj Kumar*

(Manoj Kumar)

Executive Engineer(NFSG) (S,R&T) (Roads)  
For Director General (Road Development) & SS

Copy to:

1. All Technical Officers in the Ministry of Road Transport & Highways
2. All ROs and ELOs of the Ministry
3. The Secretary General, Indian Roads Congress
4. The Director, IAHE
5. Technical circular file of S&R (R) Section
6. NIC-for uploading on Ministry's website under "What's new"

Copy for kind information to:

7. PS to Hon'ble Minister (RTH&S)
8. PS to Hon'ble MOS (RTH&S)
9. Sr. PPS to Secretary (RT&H)
10. PPS to DG (RD) & SS
11. PPS to SS&FA
12. PS to ADG-I/ ADG-II
13. PS to JS (T)/ JS (H)/ JS (LA&C)/ JS (EIC)

**Public Utility provider and Industrial infrastructure****A. Public Utility Provider**

A **Public Utility Provider** in context of this Guideline shall mean any organization that provides and maintains the infrastructure for a public service like electricity, gas, water supply, telecom cables and sewage disposal subject to applicable regulation.

**B. Eligible activities for Industrial Units or 'Industrial Infrastructure'**

**Industrial Infrastructure** in context of this Guideline shall mean any physical infrastructure that is required to facilitate industrial operations and is constructed, operated and maintained along/across Right of Way of National Highways. Such infrastructure shall include the following:

- a. Underground & above ground pipelines including provisions for booster pumping facilities, maintenance bays and other required support infrastructure for transport of legally permitted materials for industrial usage by a business entity having valid license for industrial operations.
- b. Conveyor Belts including provisions for maintenance bays and other required support infrastructure for transport of legally permitted materials, by a business entity having valid license for industrial operations.
- c. Power cables/wires etc. meant for industrial usage by a business entity having valid license for industrial operations.
- d. Any other such associated industrial infrastructure facility.

Draft

Enclosure to Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015  
/S&R(R) dated 22.11.2016.

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY**  
**PERMISSIONS**  
**FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement to lay Telecom cable / OFC cable / electrical cable / pipe line / ducts etc.  
from \_\_\_\_\_ to \_\_\_\_\_ Km of \_\_\_\_\_ land.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) \_\_\_\_\_ of  
(year) between \_\_\_\_\_ acting in his executive capacity through \_\_\_\_\_  
(hereinafter referred to as the "Authority" which expression shall unless excluded by or  
repugnant to the context, include his successors in office and assigns) on the one part, and  
M/s \_\_\_\_\_, a company registered under the Companies Act, 1956 and having its  
Registered Office at \_\_\_\_\_ (hereinafter called the "Licensee") which expression shall  
unless excluded by repugnant to the context, include his successors/administrator assignees  
on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of  
lands in Km \_\_\_\_\_ to \_\_\_\_\_ of NH No. \_\_\_\_\_ RoW.

Whereas the Licensee proposes to lay Telecom cable / OFC cable / electrical cable /  
pipe line / ducts etc. referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility  
services from Km \_\_\_\_\_ to Km \_\_\_\_\_ of road/route up to \_\_\_\_\_  
and from km \_\_\_\_\_ to km \_\_\_\_\_ of road/route up to \_\_\_\_\_.

And whereas the Authority has agreed to grant such permission for way leave on the  
NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnesseth that in consideration of the conditions hereinafter  
contained and on the part of the Licensee to be observed and performed, the Authority hereby  
grants to the Licensee permission to lay utility services as per the approved drawing attached  
hereto subject to the following conditions, namely.

1. RoW permissions are only enabling in nature. The purpose of extending the way  
leave facility on the National Highway RoW is not for enhancing the scope of  
activity of a utility service provider, either by content or by intent. Further,  
enforceability of the permission so granted shall be restricted only to the extent of  
provisions/scope of activities defined in the license agreement & for the purpose  
for which it is granted.



2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfilment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs ...../sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that 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.
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. 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.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
  - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.

- b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
  - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench. clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs.     per route metre / Rs     per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;



21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches.

for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.

27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any

matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
  - a. operation, repair and maintenance guidelines given by the manufacturers.
  - b. the requirements of Law.
  - c. the physical conditions at the Site, and
  - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.



43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHAI/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper. Each party to this Agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI \_\_\_\_\_

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/S \_\_\_\_\_

(LICENSEE)

BY SHRI \_\_\_\_\_

(Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_  
EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. \_\_\_\_\_

DATED \_\_\_\_\_ PASSED BY HTE BOARD OF DIRECTORS IN THE  
MEETING HELD ON \_\_\_\_\_

IN THE PRESENCE OF (WITNESSES):

1.

2.

Enclosure to Ministry of Road Transport & Highways letter No RW/NH-33044,  
29/2015) 54(2(2) dated 22.11.16.

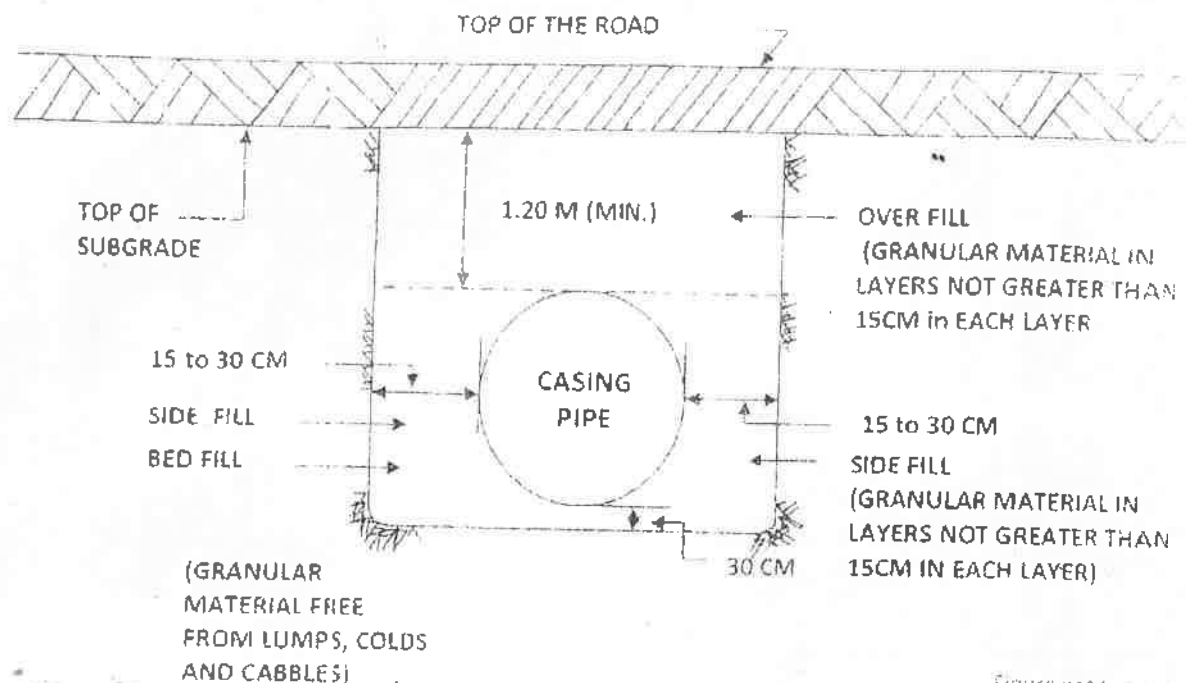


Figure not to scale

FIGURE-1 INSTALLATION OF CASING PIPE FOR  
CROSSING THE ROAD

**PROPOSAL FOR EASTERN PERIPHERAL EXPY  
NATIONAL HIGHWAY CROSSING**

**220 KV D/C Gr.NOIDA (765)-IITGNL Tr. LINE**

**BETWEEN  
AP-52 TO AP-53**

**DISTRICT- GAUTAM BUDH NAGAR**



**UNDER  
Electricity Transmission Division- Gr.Noida Pali  
Electricity Transmission Circle- Gr.Noida Pali  
Transmission Zone Meerut**



कार्यालय  
अधिशाली अभियन्ता  
विद्युत 400 के०वी० उपकेन्द्र खण्ड उत्तर  
प्रदेश पावर ट्रांसमिशन कारपोरेशन  
लिमिटेड  
तिलपता मकोडा रोड,  
ग्रेटर नोएडा -201 306  
दूरभाष-0120-2930543



Office Of The  
Executive Engineer  
Electricity 400 kV Sub-Station Division U.P.  
Power Transmission Corporation Ltd.  
Tilapta - Makora Road  
V&P Pali, Gr. Noida  
Email:- ee400gn@upptel.org  
ee400gn@gmail.com  
CIN: U40101UP2001SGC028687  
Phone no. 7290059733

पत्रांक/No. 824 /अ०अ०(EE)/ग्रे०नौ०(GN)/

Dated/दिनांक- 15/08/2020


**Subject: - Approval for overhead crossing of 220 kV D/C Gr Noida (765 kV)- IITGNL (220 kV) transmission line over Eastern Peripheral Expressway.**

Team Leader,  
M/s PRS Scott Wilson India Pvt. Ltd.  
In JV with Consulting Engineering Group Ltd.  
In Association with AECOM India Pvt. Ltd.  
D-221, Sector P-3, Near Pari Chowk  
Greater Noida, Gautam Buddh Nagar- 201308

Sir,

In reference to above mentioned subject & also take reference to your office letter no NHAI/PU/EPE/F-171/2020/D-4270 dt. 26.05.2020. In this regard, it is to inform you that point-wise explanation is given below:-

- i. a) Check list (as per guidelines of NHAI) has been prepared and is being attached with this letter.
- b) Various undertakings as per Ministry's guidelines dated 22.11.2016 have already been submitted along with the proposal.
- c) License deed for laying of overhead EHT line as per Ministry's guidelines dated 22.11.2016 has already been submitted along with the proposal.
- ii. Deviation of spans of transmission line has now been mentioned in the check list (attached with this letter)
- iii. The horizontal and vertical clearances of the crossing is within the minimum requirement of IE rule 1956 and IRC32:1969.
- iv. Methodology of stringing across NHAI will be scaffolding.
- v. Performance bank guarantee, security deposit and prescribed fee is not applicable for EHT overhead line as per Ministry's guidelines dated 22.11.2016.

  
(Sudhir Kumar)  
Executive Engineer

No. / 400 kV (GN)/

Dated-

Copy forwarded to following for kind information and necessary action:-

1. Chief Engineer (TW) U.P Power Transmission Corp. Ltd 130-D, Victoria Park Meerut.
2. Superintending Engineer, Electricity Transmission Circle, Greater Noida.

(Sudhir Kumar)  
Executive Engineer

# **CHECK LIST**

## **Guidelines for Project Directors for processing the proposal of laying over Head Electrical Line**

- Relevant Circulars /Codes
- 1) Ministry Circular No.NH-III/P/20/77 Dated 08.04.1982
  - 2) Indian Electricity Act -1910
  - 3) Indian Electricity Rules-1956
  - 4) IRC:32-1969
  - 5) IS:5613-1976 Part-I to IV

Check list for laying of 220 kV D/C Greater Noida (765 kV)- IITGNL (220 kV) Transmission line for over head


SL. NO.	Item	Information /Status	Remarks
1	General Information		
1.1	Name and address of the applicant with Full Address	Executive Engineer Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta - Makora Road V&P Pali, Gr. Noida	
1.2	National Highway Number	Eastern Peripheral Expressway (Delhi to Palwal)	
1.3	State	Uttar Pradesh	
1.4	Location	2.303 Km. from Greater Noida towards Palwal near village Ladpura	
1.5	Name of the Line	220 kV D/C Greater Noida (765 kV)- IITGNL (220 kV) Transmission line	
1.6	Chain-age in Km	85.730	
1.7	Length in meter(span)	280 Mtr.	
1.8	Width of available ROW	35 Mtr.	
	a) Left side from center line towards increasing chain-age/km direction.	17.5 Mtr.	
	b) Right side from center line towards increasing chain -age /km direction.	17.5 Mtr.	
1.9	Proposal to lay overhead		
	a) Left side from center line towards increasing chain-age/km direction.	125 Mtr.	
	b) Right side from center line towards increasing chain -age /km direction.	155 Mtr.	
	c) Crossing of NH number		
1.10	Proposal to acquire land		
	a) Left side from center line	Not Applicable	
	b) Right side from center line	Not Applicable	
	Whether proposal is		
	a) In the same side where land is not to be acquired	Land acquisition is not involved	
1.11	b) Crossing the National Highway	Yes	
	c) If not then where to lay the overhead Electrical Line	The overhead electrical line is to be laid in the field away from the NH boundary as mentioned at 1.9 (a) & (b)	



  
 Executive Engineer  
 Electricity 400 KV S/S Division  
 U.P. Power Corp. Ltd.  
 Greater Noida

1.12	Details of already laid services (overhead) Telecommunication line overhead Electrical line etc) if any, along proposed route /proposed	Not Applicable	
1.13	Number of lanes( 2/4/6/8 lane)	6 lanes	
1.14	Proposed number of lanes (2 lane with saved shoulders /4/6/8)	Not Applicable	
1.15	Service road existing or not	Not Applicable	
	If yes then which side	Not Applicable	
	a) Left side from the center line	Not Applicable	
	b) Right side from the center line	Not Applicable	
1.16	Proposed Service Road	Not Applicable	
	a) Left side from the center line	Not Applicable	
	b) Right side from the center line	Not Applicable	
1.17	Whether proposal to lay overhed Electrical line is after the service road or between the service road and main carriage way, or crossing the National Highway	Crossing the National Highway	
1.18	The permission of laying Over Head Electrical Line shall be considered for approval / rejection based on the Ministry Circulars and relevant codes.	Yes	
1.19	If crossing of the road involved		
	a) Is it on a line normal to NH and provide length of crossing span	280 Mtr.	
	b) Structure (Tower ,tension towers,pole for HT line only) for crossing shall not be to near to the existing structures on the National Highway ,the minimum distance being 15 meters.	More than 15 Mtr.	
	i) Type of Existing /Proposed structures for National Highway	Tension towers, tower type DC+25 on both sides	
	ii) What is the distance of tower, pole and tension towers from the existing/proposed structures of National Highway.	Tower no. AP 52 (DC+25) is 125 Mtr. from center line of existing National Highway. Tower no. AP 53 (DC+25) is 155 Mtr. from center line of existing National Highway	
	c) The overhead lines and their supporting poles/ towers should ordinary be placed at the extreme edge of the road land boundary .In any case,these shall be at 10mtr. away from the edge of existing traffic lane.Where the existing roadway is narrow than the minimum required according to standard or where the widening is proposed for any reason , the lateral clearance shall be reckoned with respect to ultimate road way. What is the horizontal clearance from the extreme edge of the road boundary.	Tower no. AP 52 (DC+25): 85 Mtr.Tower no. AP 53 (DC+25):115 Mtr.	




  
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d) The overhead lines and their supporting poles/towers should be ordinarily being placed at a minimum distance of 5.0m. from the nearest line of avenue trees.	Overhead line supporting is far away from the nearest line of avenue trees.	
e) In Mountainous/ hilly terrain the overhead lines should be erected preferably on the vally side as fer as away as practicable. In hilly region, level of ground at a suitable distance below the outer conductor on either side from center line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearance in swing conditions. Is the proposal in hilly area?	No. proposal is in plain terrin.	
f) The horizontal clearances in respect of poles erected for the purpose of street lighting in urban situation shall be as under.	Not Applicable	
i) For road with raised kerbs- Minimum 300mm from the edge of the nearest kerb 600 mm being perferable.	Not Applicable	
ii) For road without raised kerbs - At least 1.5m from the edge of carriageway, subject to minimum of 5.0meter from the center line of the carraige way	Horizontal clearance is 125 Mtr. and 155 Mtr. from the center line of the carraige way	
g) The pylones of HT lines along the crossing the road shall be located outside the National Highway land	Yes	
h) For crossing the line of same voltage or lower voltage, suspension/ tension tower with suitable extension shall be used.	Yes	
i) The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement, etc. The actual ground clearance of high tension lines for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian Standard codes IS 5613-1976 PART-I to IV and Indian Electricity Rules 1956 as under.		



  
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	For ordinary wire and line carrying low voltage up to and including 110 volts-5500mm		
	For electric power lines carrying low voltage up to and including 650volts -6500mm		
	For electric power lines carrying voltage exceeding 650volts -6500mm		
	220KV -7015mm	Clearance under maximum sag conditions between lowest point of the proposed line and existing road is 27.2 Mtr.	
	400KV -8840mm		
	800KV-15000mm		
	Note: These are minimum requirement where ever local authority requirement is higher ,the same shall be provided .In case of HT line ,Road crossing, the ground clearance at the road under maximum temperature and in still air shall be such that even with conductor bundle broken in adjacent span ,the ground clearance of the conductor from the road surface shall not be less than 24.70		
	What is the voltage of proposed line and clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway / future developed National Highway.	The voltage of proposed line is 220 KV. Clearance under maximum sag conditions between lowest point of the proposed line and existing road is 27.2 Mtr.	
2	Affidavit /under taking to be obtaining from (to the furnished by) the applicant.	Yes	
2.1	Not to damage to other utility ,if damaged then to pay the losses either to NHAI or to the concern agency.	Yes	
2.2	Undertaking for renewal of bank Guarantee if required.	Not Applicable	
2.3	Confirming all standard conditions as laid down in ministry Circular No.NH-III/P/20 dated 08.04.1982, Indian Electricity Act -1910,Indian Electricity Act -1956, IRC-32:1956,IS 5613:1976 part-I to part-IV and NHAI's guidelines.	Yes	
2.4	Shifting of overhead electrical line at their own cost as and when required by NHAI.	Not Applicable	
2.5	Shifting of overhead electrical line at their own cost if require due to 4 lanning widening of National Highway .	6 Way lane exists.	



  
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2.6	Indemnity against all damages and claims what so ever kind that may be to NHAI or any third party in the ROW during installation ,operation and maintenance.	Yes	
2.7	Traffic movement during laying of overhead electrical line to be managed by the applicant.	Yes	
2.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes	
2.9	Prior approval of NHAI shall be obtained before undertaking any work of installation ,shifting or repairs, or alterations to the overhead electrical line located in the National Highway Right of way.	Yes	
2.10	Expenditure ,if any ,incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance of the overhead electrical line will be borne by the agency owing the line.	Yes	
2.11	If NHAI 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 NHAI at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
2.12	Certificate from the applicant in the following format.	Yes	
	1) Laying of Overhead electrical line will not have any deleterious effect on any of the bridge components and roadway safety for traffic.	Yes	
	2) For 4 laining "We do undertake that I will relocate service road /approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated but NHAI for future six laining or any other development.	Yes	
2.13	The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons component to undertake such work.	Yes	
2.14	The applicant ensures the safety of the highway traffic against the hazards of the high voltage lines during installation,operation and maintenance.	Yes	



  
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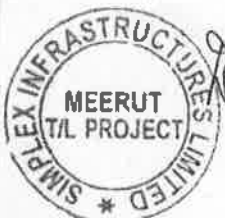
2.15	Undertake for compliance with Indian Electricity Rules and other Authorities Regulations -All overhead lines shall comply with the requirements of the Indian Electricity Act and Rules made there under and the regulations or specification as laid down by railways or railways electrification authorities ,post and telegraphs department ,roadways or navigation or aviation authorities ,local governing bodies,defece authorities and power and telecommunication coordination committee ,wherever applicable	Yes	
3	Other documents and drawings to be furnished by the applicant		
3.1	Method of laying or overhead Electrical line	Yes	
3.2	Draft License Agreement	Yes	
3.3	Performance bank guarantee in favour of NHAI has to be obtained @Rs.100 per running meter (parallel to NH ) and Rs.100000/-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 area ,clearing the debris/loose earth etc produced.	Not Applicable as the tower is beyond the right of way of NHAI	
3.4	Strip plan/Route plan showing Overhead Electrical line ,chain-age,width of ROW ,distance of proposed structures (Tower ,Tension tower,and pole for HT line only ) from the edge of ROW ,important mile stone ,intersections,cross drainage work any other structures existing or proposed etc.	Yes	
4	Certificate from the Project Directors		
4.1	Certificate confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of all standard condition issued vide ministry Circular No: NH-III/P/20/77 dated 08-04-1982,Indian Electricity Act-1910,Indian Electricity Rules 1956, IRC : 32-1969, IS :5613-1976 Part-I to IV and NHAI's guideline.	Yes	
4.2	Certificate from PD in the following	To be provided by NHAI	
	i) "it is certified that any other location of the electric line would be extremely difficult and unreasonable costly and the installation of Electric line within ROW will not adversely affect the design ,stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway,easing of curve etc".		
	ii) For 6 lanning		




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	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location		
	b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six lanning		
5	If NH section proposed to be taken up by NHAI on BOT basis -a clause is to be inserted in the agreement, "The permitted Highway on which license has been granted the right to lay overhead Electrical line has also been granted the right of way to concessionaire under the cocession agreement for up-gradation of(Km 163 to Km 164 No:222(New NH : 61) on build ,operate and transfer basis ) and therefore the license shall honour the same.	To be provided by NHAI	
6	Who will supervise the work of laying of overhead electrical line	UPPTCL	
7	Who will sign the agreement on behalf of overhead electrical line agency	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta - Makora Road V&P Pali, Gr. Noida	
8	who will ensure that the defects in road portion after laying of overhead electrical line are corrected and if not corrected then what action will be taken	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta - Makora Road V&P Pali, Gr. Noida	
9	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Executive Engineer, Electricity 400 kV Sub-Station Division U.P. Power Transmission Corporation Ltd.Tilapta - Makora Road V&P Pali, Gr. Noida	
10	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Not Applicable	
11	If any previous approval is accorded for laying of overhead electrical line then photocopy of register of records of permissions accorded as maintained by PD may be enclosed.	Not Applicable	
For UPPTCL		For National Highway Authority of India	



  
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उत्तर प्रदेश UTTAR PRADESH


EZ 414539

**AGREEMENT REGARDING GRATING OF RIGHT OF WAY PERMISSION FOR LINE LAYING UTILITY SERVICE ON NATIONAL HIGHWAY**

Agreement to the crossing 220 KV D/C Greater Noida (765KV) - IITGNL(220KV)Trans/Line at Ch. No. 85.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida ,Tehsil- Gr. Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

This agreement made (month) of

(Year) Between Project Director ,NHA, Meerut acting in this executive capacity through Govt. of India (here in after referred to as the "authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns ) On the one part , and Electricity Works Division, Gr. Noida, a company registered under the companies Act,1956 and having its registered office at through **Shri Sudhir Kumar**, Executive Engineer, Electricity Transmission Works Division, Meerut Zone, Transmission staff colony ,400KV substation Gr. Noida (UP) (Hereinafter called the "Licensee") Which experience shall unless excluded by repugnant to the context , include this successors / administrator assignees on the second part.

  
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Whereas the authority is responsible, inter-alia, for development of land in NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District - Goutam Buddha Nagar in the state of Uttar Pradesh Row.


Whereas the Licensee proposes to crossing/lay HT cables/ducts in NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District - Goutam Buddha Nagar in the state of Uttar Pradesh Row.

Whereas the licensee has applied to the authority for permission to crossing/lay HT overhead transmission line at Km Ch. No. 85.730 KM (From Gr. Noida towards Palwal near Village Ladpura) on NE-II, Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District - Goutam Buddha Nagar in the state of Uttar Pradesh.

And whereas the authority has agreed to grant such permission on the terms and conditions hereinafter mentioned.


Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the licensee to be observed and performed, the authority hereby grants to the licensee permission to crossing/lay HT overhead transmission lines per the approved drawing attached here to subject to the following conditions, namely.

- 1) ROW permission are only enabling in nature. The purpose of extending the way leave facility on the national highway ROW is not for enhancing the scope of activity of a utility-service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
- 2) No License shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements shall be final and binding on all concerned parties. In case any disruption /damage is caused to cause any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
- 3) The License shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging, finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility industrial infrastructure facilities.
- 4) The License shall pay license fees @ Rs. \_\_\_\_\_ / sq.m/ month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the License, for laying of

  
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utilities/Cables/ conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.

- 5) Fee shall have to pay in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charges. Delay in deposition of fee shall interest @15% per annum compounded annually.
- 6) Present policy of the MORTH & NH is to provide a 35 mtr. Wide utility corridor on either side of the extreme edge of Row. In cases where cable ducts with sufficient space are already available along NH, the cables shall be laid in such ducts subject to technical requirements being fulfilled.
- 7) The utility service shall be laid at the edge of the ROW. In case of restricted width ROW, which may be adequate only to accommodate the carriageways, central verge, shoulders, slopes of embankment and drains, the cables shall be laid beyond the toe line of the embankments and clear of the drain.
- 8) The licenses shall make his own arrangement for cross drainage structure, rivers, etc. Below the bed. In case, this is not feasible; the cables / may be carried outside the railings/parapets and supported on brackets fixed to the outside of the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned authority which has granted such permission. Additional cost on account of fixing and supporting arrangement as assessed by the authority shall be payable by the licensee.
- 9) In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that 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.
- 10) The utility services shall cross the National highway preferable on a line normal to it or as nearly so as practicable.


  
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- 11) The casing/ 220 kv D/C line crossing the road may be installed under the road embankment either by boring or digging a trench, installation by boring method shall be preferred.
- 12) The license shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land into the same condition as it was before digging the trench, clearing debris /loose earth predicted due to execution of trenching at least 50m away from the edge of the right of way.

All required restoration work subsequent to laying of the cable to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.


- 13) Prior to commencement of any work on the ground, a performance bank Guarantee @ Rs.....per route meter, Rs..... per .m. with a validity of one year initially (extendable if required till satisfactory completion of work) shall have been furnished by the Licensee to the authority its designated agency as a security against improper restoration of ground in terms of filling unsatisfactory compaction damages caused to other underground installations utility services & interference, interruption, disruption or failure caused thereof to any services etc. in case of the Licensee failing to discharge the obligation of making good of the excavated trench other restoration work, the authority shall have right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture of the bank guarantee.
- 14) In case, the performance bank Guarantee is involved as mentioned above, the licensee shall be required to replenish and reinstate the required performance bank Guarantee within one month of required to replenish and reinstate the required performance bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the licensee shall be liable to full compensation to the aggrieved Authority/its designated agency for any damage sustained by them by reason of the exercise of the ROW facility.
- 15) The License shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the Concerned Authority to shift/widening of the road/route highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.

  
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U.P. Power Corp. Ltd.  
Greater Noida

- 16) The licensee shall be responsible to ascertain from the respective agency in the coordination with authority, regarding the location of other utilities underground installations/facilities etc. before commencement of the excavation using the existing cable ducts. The licensee shall procure insurance from a reputed insurance company against damages to already existing underground installation/utilities/facilities etc.
- 17) The licensee shall be solely responsible liable for full compensation indemnification of concerned agency aggrieved authority for any direct, indirect or consequential damage caused to them claims or replacements sought for, at the cost and risk of the licensee. The concerned agency in coordination with authority shall also have a right make goods such damage recover the claims by for future of bank guarantee.
- 18) If the licensee fails to the comply with any condition to the satisfaction of the authority, the same shall be executed by the authority at the cost and risk of the licensee.
- 19) Gram of license is the subject to the licensee satisfy ins: (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the licensee should avoid cutting of the road for crossing highway and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reason the road needs to be cut for crossing or laying its services, the licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards. In case of licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the authority shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture; of the bank guarantee.
- 20) The License shall inform/give a notice to the concerned agency designed by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair work have to be furnished by the License.
- 21) Each day, the extent of digging the trenches should be strictly regulated so that cables are laid and trenches filled up before the close of the work that day Filling should be completed to the satisfaction of concerned agency designated by the Authority.
- 22) The License shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims,
- 23) The permission for laying utility service is granted maximum for 5 year at a tie, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal. The permission shall automatically be renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compound annually.


  
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- 24) The permission shall be valid only for the period it is issued and fee deposited. However, the authority also has a right to terminate the permission or to extend the period of Agreement.
- 25) That the License shall not undertake any work of shifting, repairs or alteration to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
- 26) The permission granted shall not in any way be deemed to convey to the License any ownership right or any interest in route /road/highway land/property, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than that specified in the Agreement.
- 27) During the subsistence of this Agreement, the HT electric transmission line located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the License to the use thereof shall not become absolute and indefeasible by lapse of time.
- 28) The License shall bear the stamp Duty charges on this Agreement.
- 29) There copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cable in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record a months of completion of works.
- 30) The License shall allow free access to the site at all times to the authorized representatives of Authority to inspect the project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
- 31) The utility service shall not be made operational by the License unless a completion certificate to the effect that the HT Cable/Ducts has laid in accordance with the approved specification and drawings and the trench have been filled up to the satisfaction of the concerned agency in co-operation with the Authority has been obtained. Notwithstanding anything contained herein this Agreement may be cancelled at any time by the Authority for breach of any condition of the and same and the License shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
- 32) The License shall ensure adherence to relevant Indian standards follow best industry practices, methods and standards for the purpose of ensuring and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintains of any part of the utility lines/industrial infrastructure facilities and which practice, methods and standards shall be adjusted as necessary, to take account of:
- A. Operation, repair and maintenance guidelines by the manufactures.
- B. The requirements of Law.

  
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Electricity 400 KV S/S Division  
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- C. The physical conditions at the Site, and.
- D. The safety of operations personal and human beings.

- 33) The License have to provide safety measure like barricading, danger lighting and other necessary caution boards while executing the work.
- 34) If any traffic diversion works are found necessary during the working period, such diversion shall be provided at the cost of License.
- 35) After the termination/expiry of the agreement, the license shall remove the Cable/ducts within 90 days and the site shall be brought back to the original condition failing which the License will lose the right to remove the cables/ducts. However, before taking up the work of removal of cables the License shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the authority as a security for making clearing debris, loose earth predicted due to excavation of trenching at least 27m. Away from the edge of the ROW.
- 36) Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the High Level Committee comprising the designed representatives of the Authority, License and the concerned agencies and the decision of the committee shall be final and binding on all.
- 37) FOR Transmission line Project , in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of cables ducts by the License, compensation for the same shall be required to be borne by the License in mutual agreement with the respective project concessionaire in any way in this regard.

  
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U.P. Power Corp. Ltd.  
Greater Noida



**BY SHRI**

**Project Director, NHAI, Urbtech NPX building, 4<sup>th</sup> floor Sector 153, Noida.**

**(Signature, Name & Address with stamp)**

**SIGNED ON BEHALF OF ELECTRICITY WORKS DIVISION, Gr. Noida.**

**By Shri Sudhir Kumar.**

**Executive Engineer, Electricity 400 kV Division S/S Greater Noida.**

**(Signature, Name & Address with stamp)**

**IN THE PRESENCE OF (WITNESSES)**

**1.**

**Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida**

**2**



उत्तर प्रदेश UTTAR PRADESH


83AD 305285

#### UNDERTAKINGS

Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) – IITGNL(220KV)Trans/Line at Ch. No. 85.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District – Gautam Buddha Nagar in State of Uttar Pradesh.

I, SUDHIR KUMAR, Executive Engineer, Electricity Transmission Works Division, Gr. Noida, Meerut Zone, do hereby give undertaking that Department Will not damage any other utility services already laid along across proposed route.

1. We will confirm all standard condition of NHA's Guidelines while executing the work.
2. We indemnify NHA against all damages and claims under clause xxiv.
3. We have submitted department letter in flavour of authorized signatory.
4. Whenever ROW (left/right) is less than 26 m of the centre of nearest carriageway, negotiating with shopkeepers & private land owners so as to avoid any damage to the road infrastructure.
5. While executing the work, all safety measures will be ensured. We will be solely responsible if there by any accident or miss-happenings at the site due to our acts.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



उत्तर प्रदेश UTTAR PRADESH


83AD 305287

#### UNDERTAKINGS

Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) -IITGNL(220KV)Trans/Line at Ch. No. 85.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida Tehsil- Gr.Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

I, SUDHIR KUMAR, Executive Engineer, Electricity Transmission Works Division, Gr. Noida, Meerut Zone. We declare that during the execution of work we will be abiding following additional conditions.

- (i) Ministry of Road Transport & Highway guidelines shall be strictly followed.
- (ii) Electricity Transmission works Division, Gr. Noida, Meerut Zone, shall be responsible in case damages due to leakage of 220 KV Line.
- (iii) Electricity Works Transmission Division, Meerut Zone, Meerut shall ensure that there is not traffic disruption during the execution of work.

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



उत्तर प्रदेश UTTAR PRADESH


83AD 305288

#### UNDERTAKINGS

Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) -IITGNL(220KV)Trans/Line at Ch. No. 85.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida Tehsil- Gr. Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

I, SUDHIR KUMAR, Executive Engineer, Electricity Transmission Works Division, Gr. Noida, Meerut Zone. Meerut on behalf of Electricity works Division, do hereby give undertaking that.

1. We pay license fee whenever required by NHAI/MORTH.
2. We pay the rent whenever required by NHAI/MORTH.

  
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Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
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**UNDERTAKINGS Regarding Submission for Performance Bank Guarantee**

उत्तर प्रदेश UTTAR PRADESH

Proposal for permission for Overhead crossing of 220 KV D/C Greater Noida (765KV) -IITGNL(220KV)Trans/Line at Ch. No. 85.730 from Gr. Noida towards Palwal near Village Ladpura on NE-II Kundli to Palwal Section Near Gr. Noida, Tehsil- Gr. Noida & District - Goutam Buddha Nagar in State of Uttar Pradesh.

I, **SUDHIR KUMAR**, Executive Engineer , Electricity Transmission Works Division , Gr. Noida, Meerut Zone.

On behalf of Electricity works Division, do hereby give undertaking that.

A performance Bank Guarantee @ Rs.100/- per meter (parallel to NH) and Rs.1,00,000/- per crossing with the validity of one year initially, extendable if required till satisfactory compaction / restoration and damage costs to other underground installation /utility service and interference, Interruption ,disruption of failure to any services.

Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida



उत्तर प्रदेश **UTTAR PRADESH**

**AFFIDAVIT**

09AF 698519

I, **SUDHIR KUMAR**, Executive Engineer , Electricity Transmission Works Division , Gr. Noida, Meerut Zone , Meerut on behalf of Electricity Transmission Works Division , Meerut Zone, Meerut do hereby give solemnly affirm and state on oath as follows.


1. That the deponent is as Executive Engineer already authorized to sign each and every paper on behalf of firm Electricity Transmission Works Division, Gr. Noida, Meerut Zone.
2. That the deponent has license Electricity Transmission Works Division, Meerut Zone, Meerut Construction Maintenance And responsibility during the period of license deed by me of the own cost.
3. That the deponent's signature is certified by notary, which is as below, and signed by the deponent.

**DEPONENT**

I, the above named deponent do hereby verify that the contents of this Affidavit from Para 1 to 3 are true to the best of my personal knowledge.

Nothing is false or conceals there in.

**DEPONENT**

  
Executive Engineer  
Electricity 400 KV S/S Division  
U.P. Power Corp. Ltd.  
Greater Noida

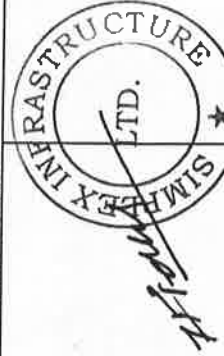
CLINT : U.P. POWER TRANSMISSION CORPORATION LTD.

SIMPLEX INFRASTRUCTURE LTD.

220KV D/C Gr.NOIDA(765kv) - IITGNL TRANSMISSION LINE

TOWER SCHEDULE FORM AP- 51 TO AP- 54

S. No.	Loc. No.	Tower Type	Span (m)	Angle of Deviation (Deg)	Sectional Length	Wind Span (m)	Wt. Span (Hot)			Wt. Span (Cold)			Adjacent Span			Northing	Easting	Elevation	Remarks
							Left	Right	Total	Left	Right	Total	Left	Right	Total				
1	AP-50	DB+0		09°30'21"	RT	287	163	64	227	163	42	205	324	250	574	28°24'37.03"N	77°34'45.74"E	203.00	
2	AP-51	DC+10	250	00°00'00"		250	186	33	219	208	0	208	250	250	500	28°24'44.62"N	77°34'42.29"E	202.88	GAS Pipe Line, Cart Track
3	AP-52	DC+25	280	32°07'43"	LT	250	217	143	360	250	144	394	250	280	530	28°24'51.82"N	77°34'39.10"E	202.80	
4	AP-53	DC+25	300	47°58'08"	RT	280	137	228	365	136	256	392	280	300	580	28°24'57.07"N	77°34'31.00"E	202.20	EASTERN PERIPHERAL EXPY
5	AP-54	DC+10		09°54'43"	LT	300	72	172	244	44	175	219	300	330	630	28°25'56.62"N	77°34'29.90"E	202.00	LT Line.
TOTAL--1080 Mtr																			
FOR SIMPLEX LTD.																			
For UPPTCL																			



अधीक्षक अभियन्ता  
विद्युत पारंपरण मंडल  
मैटर नोएडा

Executive Engineer

Electricity Recommended BY  
UP Power Trans Corp. Ltd

Greater Noida

Prepared By

Checked By

Submitted By

Checked By

Executive Engineer

Approved By

**220 KV D/C Gr.NOIDA (765) - IITGNL TRANSMISSION LINE**  
**PROPOSAL FOR NATIONAL HIGHWAY (Eastern Peripheral)**

1. Name and Details of the Existing National Highway.	N.H- Eastern Peripheral DELHI TO PALWAL NATIONAL HIGH WAY.  KM Stone No:- 85  KM Stone No:- 86 <b>CROSSING POINT - 85.730 KM</b>
2. Situation of crossing NH Boundary to Location.	Between AP 52/0 and AP 53/0  From AP 52/0:- 85.00 m From AP 53/0 :- 115.00 m
3. Span at the crossing and also those On either side of crossing.	Crossing Span :- 280.00m Preceding Span :- 250.00 m Succeeding Span :- 300.00 m
4. Angle of Crossing	<b>89°25'42" deg.</b>
5. Structure Used to cross the existing National highway and its deviation angle.	AP 52/0 :- C+25 /30°07'43" LT  AP 53/0 :- C+25 /47°58'08" RT
6. Conductor used to cross the Power Line and its Details.	<b><u>Conductor Detail:-</u></b>  (i) Name :- ACSR ZEBRA (ii) Diameter :- 28.62 mm (iii) Cross-Sectional area :- 484.50 sq mm (iv) Weight of conductor :- 1.621 kg/m (v) Ultimate Tensile strength :- 130.32KN (vi) Modulus of Elasticity :- 65.8448 kg /sq mm/100
7. Clearance under maximum sag Conditions between lowest Conductor of the proposed line And existing road.	Clearance 27.200 m.



*(Signature)*  
**Executive Engineer**  
Electricity 400 KVS/S Division  
UP Power Trans Corp. Ltd  
Greater Noida