



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और 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

Under CWG Flyover, at Km. 2+000 of NH-9 (Old NH-24), Near Akshardham Temple, Delhi-110092

सी बल्क्यू जी फ्लाईओवर के नीचे, कि. मी. 2+000 एन एच-9, (पुराना एन एच-24), अक्षरधाम मंदिर के निकट, दिल्ली-110092

टेलीफोन : +919560963936

ई-मेल : gha@nhai.org

E-mail : nh24ghaziabad@gmail.com

वेबसाइट

Website : www.nhai.gov.in



भारतमाला

प्रगति के पथ पर अग्रसर

NHAI/PIU-GZB/EPE/UPPTCL/NOC/F-380/2021/E- 2223

Date: 12.11.2021

### INVITATION OF PUBLIC COMMENTS

**Sub:** Development of Six-Lane Eastern Peripheral Expressway (NH No. NE- II) Package-I from Km. 1.000 to Km. 22.000 in the State of Uttar Pradesh on EPC Basis-NOC for Overhead Crossing of Eastern Peripheral Expressway of 132KV 2-PH Khekra-Ahera TSS line in between EPE Km. 20+400 to Km. 20+600-reg.

Executive Engineer, M/s. Uttar Pradesh Power Transmission Corporation Limited (UPPTCL), Baghpat has submitted the proposal for Overhead Crossing of Eastern Peripheral Expressway of 132KV 2-PH Khekra-Ahera TSS line in between EPE Km. 20+400 to Km. 20+600.

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 11.12.2021 beyond which no comments will be considered.

### National Highways Authority of India

PIU-Ghaziabad,

Under CWG Flyover, at Km. 2+000 of NH-9 (Old NH-24)

Near Akshardham Temple, Delhi-110092

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,

Encl: As Above.

*(Signature)*  
12-11-2021  
(Arvind Kumar)  
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 with a request for uploading on Ministry's Website.
- RO-Delhi, NHAI HQ, for information.
- Executive Engineer, M/s. Uttar Pradesh Power Transmission Corporation Limited (UPPTCL), Baghpat - for information.

कार्यालय  
अधिशाली अभियन्ता  
विद्युत पारेषण खण्ड  
उ०प्र० पावर ट्रांसमिशन कारपोरेशन लि०  
132 के०वी० उपकेन्द्र, दिल्ली रोड बडौत-250611  
दूरभाष: 01234-251252,  
e-mail : ceetdbaraut@upptcl.org



OFFICE OF THE  
Executive Engineer  
Electricity Transmission Division  
U.P. Power Transmission Corporation Ltd.  
132 KV S/S Delhi Road, Baraut-250611  
Phone - 01234-251252,  
e-mail : ceetdbaraut@upptcl.org  
CIN No. U40101UP2004SGC028687

Letter No. 1247 /ETD/Baraut/

Dated : - 08/07/2021

**Subject: NOC of Overhead Crossing of Eastern Peripheral Expressway of 132KV  
2-PH Khekra -Ahera TSS Line.**

The Project Director,  
National Highway Authority of India  
Pitampura, New Delhi-110034

Sirs,

Dr. M. C. T.  
16/8/21

This is in reference to the above mentioned subject, we would like to submit that we are constructing above stated transmission line and the line is crossing Eastern Peripheral Expressway belonging to NHAI at below mentioned locations. We are herewith submitting the proposal giving all the details required as is generally required for such Highway Crossing. We request your goodself to kindly give us your consent for the crossing in order to enable us to proceed with spotting of towers and construction of foundation. We shall keep you informed about the progress of constructions of line.

Name Of Highway	Existing Chainage No. & Nearest Villages	UPPTCL Tower Nos. (Proposed)
Eastern Peripheral Expressway	20/400 & 20/600 Khekra	Location No. AP No. 11(DC+15) & AP No. 12(DC+15)

Encl:-

1. Check List
2. Questionnaire
3. Undertaking
4. Agreement
5. Foundation Drawing
6. Tower Schedule

Thanking you in anticipation of an early approval.

(Krishna Kumar)

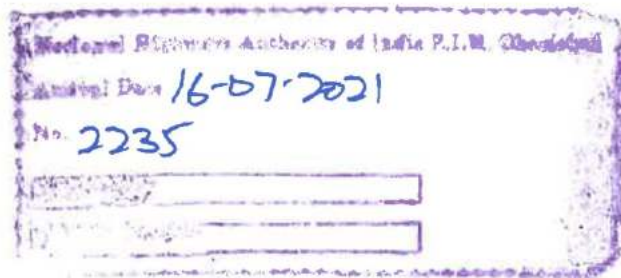
Executive Engineer

Letter No. /ETD/Baraut/

Dated : -

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

1. Superintending Engineer Electricity Transmission circle, UPPTCL Pareshan Bhawan 130-D Victoria Park, Meerut-250001.
2. SDO ETSD-II Ind Baraut.
3. M/S R.S. Infra Projects Pvt. Ltd. B-133 sector-2 Noida



(Krishna Kumar)  
Executive Engineer





## **R.S. INFRAPROJECTS PVT. LTD.**

**Registered Office:** H-70, Lane W-10, Sainik Farms, New Delhi-110062

**Corporate Office:** B - 133, Sector - 2, Noida - 201 301

**E-mail:** projects.power@rsinfra.in, **Website :** www.rsinfra.in

**CIN : U28112DL2005PTC140621**



**RSIPL/UPPTCL/ 554/2021-22/10**

**Date: 02 July 2021**

**To,**

**The Executive Engineer  
Electricity Transmission  
Division  
U.P. Power Transmission  
Corporation Ltd. 132 kV S/S Delhi  
Road, Baraut-250611**

**References:**

1. LOI No. 554/ETDC/5/TD-455/Pkg-1/RS dt. 08.02.2021.

**Subject:** Construction of 132 KV 2 Phase Khekra-Ahera TSS Line.

Dear Sir,

With reference to the above cited subject, we are submitting herewith the Eastern Peripheral Expressway Crossing Proposal Between Chainage No. 20+400 & 20+600 for 132 KV 2 Phase Khekra-Ahera TSS Line.

Thanking you and assuring you our best services for your further needful action please.

Yours Truly,

**For,**

**R.S. Infraprojects Pvt. Ltd.**

**Authorized Signatory**

**Enclosed: As above.**



सत्यमेव जयते

# INDIA NON JUDICIAL

## Government of Uttar Pradesh

### e-Stamp

Certificate No.	: IN-UP98961444510757T
Certificate Issued Date	: 03-Jul-2021 12:14 PM
Account Reference	: NEWIMPACC (SV)/ up14129304/ BAGHPAT/ UP-BGH
Unique Doc. Reference	: SUBIN-UPUP1412930485962753817646T
Purchased by	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	:
First Party	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Second Party	: NA
Stamp Duty Paid By	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



-----Please write or type below this line-----

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

#### AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR CROSSING OVERHEAD TRANSMISSION LINE ON NATIONAL HIGHWAYS

Agreement for Cross Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line between Chainage no:-20 +400-20+600 on NHAI -Eastern Peripheral Expressway near Village-Khekra, Tehsil - Khekra, of the District Baghpat.(U.P)

Page 1 of 10

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Baraut**

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.



This AGREEMENT Made this ..... Day of ..... (Month) of ..... (Year) between the President of Indian / National Highways Authority of India (hereinafter referred called the Government which expression shall, unless excluded by or repugnant to the context, include his successors in the office and assign) of the one part and M/S U.P.P.T.C.L. (A Government of UP Enterprise), a company incorporated under the Companies Act. 1956 having its registered office at 132KV S/S Delhi Road Baraut through its Executive Engineer, Electricity Transmission Division U.P. Power Transmission Corporation Ltd. 132KV S/S Delhi Road Baraut-250611. (Hereinafter called the 'licensee' ) which expression shall, unless excluded by or repugnant in context included his successors/administrator their successors assignees on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in Km 20+400 to Km 20+600 of NH No NE-II (EPE) ROW.

Whereas the Licensee proposes to cross overhead transmission line referred to as utility services in Subsequent paras.

Whereas the licensee has applied to the Authority for permission for crossing Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line KM 20+500 on NHAI -Eastern Peripheral Expressway in between chainage no 20+400 & 20+600 near village Khekra, Tehsil-Khekra of the District Baghpat in the state of Uttar Pradesh.

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 witnessed that, in consideration of the conditions hereinafter contained and on the part of the licensee to be observed and performed, the Government hereby grants to the licensee permission to cross overhead EHT line as per approved drawing attached hereto subject to the following condition, 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 Licensee shall claim exclusive right on the ROW and subsequent will be permitted to use the ROW, either above or below, or by the side of the utility 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 of Liabe in any manner.

  
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**Electricity Transmission Division**  
**Baraut**

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 approval & necessary clearances , supply of equipment , material , construction erection testing and commissioning , maintenance and operation and all other activities essential or required functioning of their own utility / industrial infrastructures facilities.
4. The Licenses 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 crossing

of utilities/ cable / conduits/ Pipeline for infrastructures / service provider. As regards tariff and terms and condition for providing utility ducts along the national Highways, there shall be separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission granted for entering into license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of the fee shall attract interest@ 15 % 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 the RoW. In case where utility ducts with sufficient space are already available along the NH, the utility services shall be laid in such ducts subject to technical requirement being fulfilled. **(The Proposal is for cross Overhead Line).**
7. The Structure for overhead line shall be erect beyond the ROW. In case of restricted width of ROW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slope of embankment, drains, other roadside furniture etc.; the Structure for overhead line shall be erect beyond the toe line of the embankment and clear of the drain.
8. The licensee shall make his own arrangement for crossing of cross drainage structure, river etc. below the bed. In case this is not feasible, the utility services may be carried outside the railing/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.. **(The Proposal is for cross Overhead Line).**
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 case, it also needs to ensure the maintenance of the utility services shall not interface with the safe and smooth flow of traffic. The cost of



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Electricity Transmission Division  
Baraut



operation and maintenance will have to be borne by the Licensee. **(The Proposal is for cross Overhead Line).**

10. It is to be ensured that at no time there is interference with the structure of the road land and maintenance of the national highway. Toward this, transmission line to cross the road shall be at least 14.6meter above from the top most surface of the roads. However, any structure above ground shall be aesthetically provide for / landscaped with required safety measure 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 specification of the Ministry.**(The Proposal is for cross Overhead Line).**
12. Existing Drainage structure shall not be allowed to carry the lines across. **(The Proposal is for cross Overhead Line).**
13. The vertical clearance of the transmission line to cross the road shall be at least 14.6meter above from the top most surface of the roads. A typical sketch showing the clearances is given in Drawing.
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.**(The Proposal is for cross Overhead Line).**
16. In case of crossing, the crossing of the overhead line should be done as nearly vertical as possible.
17. The licensee shall ensure making good the excavated trench for laying utility services by proper filling compaction, so as to restore and land into the same condition as it was before digging trench, clearing debris/loose earth produced due to Execution of trenching at least 50m away from the edge of the right of way:**(The Proposal is for cross Overhead Line).**
18. All required restoration work subsequent to crossing of the Overhead line 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.

  
Executive Engr.  
Electricity Transmission Division  
Beraul

19. Prior to commencement of any work on the ground, a performance Bank Guarantee@Rs-100 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 terms of filling/unsatisfactory compaction damages caused to the underground Installation/utility services & interference, interruption, disruption or failure caused there to any services etc. In

case of the Licensee failing to discharge the obligation making good of excavated trench/other restoration work the Authority shall have a Right to make good the damage caused by excavation at the cost of Licensee and Recover the amount by forfeiture of the Bank Guarantee.**(The Proposal is for cross Overhead Line).**

20. In case, the Performance Bank Guarantee is invoked as mention above, theLicensee 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 duets. The Licensee shall procureinsurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.**(The Proposal is for cross Overhead Line).**


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.



**Executive Engineer  
Electricity Transmission Division  
Baraut**



24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the Authority at the cost and risk of the Licensee shall execute the same.
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. **(The Proposal is for cross Overhead Line).**
26. The License shall inform/give a notice to the concerned agency designated by the authority at least 15 days in advance with route details prior to digging trenches. For fresh or maintenance/repair works. A separate Performance Bank Guarantee for maintenance/repair work shall have to be furnished by the Licensee. **(The Proposal is for cross Overhead Line).**
27. Each day, the extent of fresh/maintenance work should be strictly regulated and finish before the close of the work that day. Maintenance should be completed to the satisfaction of the concerned agency designated by the authority.
28. The license shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the crossing of overhead lines.
29. The permission for crossing utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee the time of renewal, the permission shall be automatically being renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall charge. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually. **(The Proposal is for cross Overhead Line).**
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.

  
Executive Engg.  
Electricity Transmission Division  
Barrut

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 be 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 here in expressly granted. No use of NH RoW will permit for any purpose other than that of specified in the agreement.
33. During the subsistence of this agreement, the utility services located in highway land/property shall be deemed to have an constructed and continued only by the consent and permission of the authority so that right of the Licensee to 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 drawing' of utilities (Hard and Soft copies) with geo-tagged photographs and gee-tagged video recording of overhead transmission line and after completion shall be submitted to the authority for verification and record within a month of completion of works.(The Proposal is for cross Overhead Line).
36. The Licensee shall allow fee access to the site at all times to the authorized representative 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 specification and drawing 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 not shall it to be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practice, method and standard for the purpose for 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, method and standard shall be adjusted as necessary, to make account of:

- a. Operation, repair and maintenance guidelines given by manufacture.
- b. The requirements of Law.
- c. The physical condition of site, and
- d. The safety of operating personal and human being.

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Bangalore**



39. The Licensee shall have to provide safety measure like barricading, danger lighting and other necessary caution boards while executing the work.
40. While crossing utility services, at least one lane of road shall keep open to traffic at all Times. In case of single lane roads, a diversion shall construct. If any traffic diversion Works found necessary during the working period, such diversion shall provide at cost of Licensee. (In this Overhead line case, both lanes shall be closed for short duration as and when required at the time of stringing)
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall 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 done for structure by proper filling and compaction, clearing debris, Loose earth produced due to excavation of structure at least 50m away from the edge of the ROW. **(The Proposal is for cross Overhead Line).**
42. Any disputes in interpretation of the terms and condition 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 crossing/shifting of utility services by the Licensee, compensation for the same shall be required to borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/NHA/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard. **(The Proposal is for cross Overhead Line).**



**Executive Engineer  
Electricity Transmission Division  
Bareilly**

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 HERE TO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THIS YEARS FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.  
BY SHRI-

(Signature, name & address with stamp)

**Executive Engineer**  
**Electricity Transmission Division**  
**Beraul**

SIGNED ON BEHALF OF M/S-U.P.P.T.C.L (LICENSEE)

BY SHRI-



Krishna Kumar  
Executive Engineer

IN THE PRESENCE OF (WITNESSES):

1.

2.



## CHECK-LIST

Guidelines for processing the proposal for crossing of Overhead Transmission line in the land across National Highways vested with NHAI

Ministry circular No- RW/NH 33044/29/2015/S&R(R) Dated 22/11/2016.

Sr. No.	Item	Information/ Status	Remark
	<b>General Information</b>		
1	Name and Address of the Applicant / Agency	Executive Engineer Electricity Transmission Division U.P Power Transmission Corporation Ltd. 132KV S/S Delhi Road Baraut-250611 (U.P)	
2	National Highway Number	NH-NE-II, Eastern periphery expressway	
3	State	U.P	
4	Location	between Chainage no 20+400 & 200+600 on NHAI - Eastern Peripheral Expressway near Village-Khekra Tehsil - Khekra, of the District Baghpat.(U.P)	
5	(Chainage in km)	between Chainage no 20+400 & 20+600	
6	Length in Meters	180 METER	
7	Width of available ROW in both side	50 METER (from center of the road surface)	
8	Side of NH (left or right side of NH towards increasing chainage /KM/ direction)	NH ROW TO NH ROW	
9	Name of Highways Authority of NHAI/PWD/BRO	NHAI	
10	Highway Administration Address	Ministry of Road, Transport & Highways CP-12, Viraj Khand-4, Gomti Nagar, Lucknow, Uttar Pradesh - 226070	

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Baraut**

**G.M. (T) Cum Project Director**

**NHAI, PIU- EPE-1, Delhi**

Sr.	Item	Measurement observation as per site condition	MORT&H Norms	Whether complying with MORT&H Norms
1	Details of already laid utility service if any	No		Complying
2	Whether up gradation of the stretch in near future is proposed or not	No		N/A
	a. If yes provision of utility adversely affects the plan of upgradation.	NO		N/A
3	Laying of the utility service along the National Highways	No		N/A
3.1	Location of proposed utility service along the stretch	No	Overhead line beyond the toe line of the embankment enclose to the extreme edge of the ROW	N/A
3.2	Depth of the utility service from Ground level	N/A	OVERHEAD TRANSMISSION LINE	N/A
3.3	Mechanism for crossing for water channel	N/A	OVERHEAD TRANSMISSION LINE	N/A
3.4	Whether ROWIS restricted inthe stretch?	No		N/A
3.4.1	If yes whether provision of land acquisition is required to lay utility	N/A		N/A
	a. If yes whether undertaking for land acquisition along with relevant L.A details has been furnished	N/A		N/A
3.4.2	With if concrete duct , in utility service are proposed to be laid in concrete ducts	N/A		N/A
4	Laying of utility Service Across the NH	N/A	OVERHEAD TRANSMISSION LINE	N/A
4.1	Whether existing drainage structuresis allow to carry the utility lines.	N/A	OVERHEAD TRANSMISSION LINE	N/A

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Beraut**



4.2	Proposed crossing of utility service	between Chainage no 20+400 & 20+600	Perpendicular to NH	N/A
4.3	Type of casing pipe/conduit carrying the utility line	N/A	OVERHEAD TRANSMISSION LINE	N/A
4.4	Whether ends of the casing /conduit pipe are sealed from the outside	N/A	OVERHEAD TRANSMISSION LINE	N/A
4.5	Length of crossing /conduit pipe crossing NH	180 METER	OVERHEAD TRANSMISSION LINE	COMPLYING
4.6	Depth of top of the casing /conduit pipe	N/A	OVERHEAD TRANSMISSION LINE	N/A
4.7	Crossing method in case of CC pavement	STRINGING		N/A
4.8	Horizontal and vertical clearances in case utilities are allowed overhead	DRAWING ATTACHED	IN accordance with IRC codes	N/A
5	Document/drawing enclosed with the proposal	Yes enclosed	OVERHEAD TRANSMISSION LINE	N/A
5.1	Cross section showing in the site of trench for open trenching method	N/A	OVERHEAD TRANSMISSION LINE	N/A
5	a. Trench width	N/A	OVERHEAD TRANSMISSION LINE	N/A
	b. Filling of trench	N/A	OVERHEAD TRANSMISSION LINE	N/A
	c. Location of trench	N/A	OVERHEAD TRANSMISSION LINE	N/A
5.2	Cross section showing the size of pit and location of conduit for HDD method	N/A	OVERHEAD TRANSMISSION LINE	N/A
5.3	Strip plan / Route plan showing utility line chainage , width of ROW , distance of proposed utility from the edge of ROW , important mile stone intersection ,cross drainage works etc.	N/A	OVERHEAD TRANSMISSION LINE	N/A

  
 Executive Engr.  
 Electricity Transmission Division  
 Barabati

5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Yes enclosed	As per Overhead transmission line	Complying
6.0	Methodology for laying of utility line	Yes enclosed	Enclosed	Complying
7.0	Draft license agreement is as per ministry circular No- RW/NH33044/29/2015 /S & R(R) Dated 22/11/2016, and signed by two witness	Yes enclosed	Enclosed	Complying
8.0	License fee in favor of MORT &H RPAO Lucknow	Shall be furnished as per demand.	As per ministry circular no- RW/NH33044/29/2015/S&R(R) Dated 22/11/2016	Complying
9.0	Whether bank guarantee has been obtained	Shall be furnished as per demand.	As per ministry circular no- RW/NH33044/29/2015/S&R(R) Dated 22/11/2016	
	a. If yes ,whether confirmation of BG has been obtained as per MORT&H / NHAI Guideline	Shall be obtained		Complying
10.1	Undertaking for not to damage other existing utility ,if damage then to pay the losses to either to MORT&H /NHAI to the cornered agency	Enclosed	Enclosed	Complying
10.2	Undertaking for renewal of bank guarantee when asked by NHAI/MORT&H	Enclosed	Enclosed	Complying
10.3	Undertaking for conforming all standard condition of MORT&H/NHAI guideline.	Enclosed	Enclosed	Complying

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Bairat**



10.4	Undertaking for shifting of utility as and when asked by MORT&H/NHAI within a month at their own cost	Enclosed	Enclosed	Complying
10.5	Undertaking for indemnity against all damages and claim	Enclosed	Enclosed	Complying
10.6	Undertaking for management of traffic moment during lying of utility line without hampering the traffic.	Enclosed	Enclosed	Complying
10.7	Undertaking that if any claim is raised by the concessionaire/ contractor than the same has to be paid by the applicant	Enclosed	Enclosed	Complying
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of electricity, chief controller of explosive safety of directorate, state/ central pollution control board and any other statutory clearances applicable before applying to highway administration.	Enclosed	Enclosed	Complying

The above particular along with the drawing & documents has been verified and certified as correct as per prevailing site condition.



Name designation & signature of the

Authorized representative of applicant

**Executive Engineer**  
**Electricity Transmission Division**  
**Baraut**

Name designation & signature of the

concerned field authority of NHAI

### Methodology for stringing work at NH crossing through scaffoldings arrangement (132 KV)

1. Permit to work to be obtained from Client/utilities before working over Highways.
2. Scaffolding arrangement should be done at a distance approx 6 foot from Road.
3. 2 set each side of road of bamboo scaffolding should be prepared of approx 30 foot height, 10 foot length as per the photographs enclosed
4. The scaffolding should have proper stays/anchors support at 45 degree angle for adequate strength.
5. Bamboo should properly place inside the GL minimum 5 foot inside the ground.
6. The bamboo dia should be minimum 75 mm and minimum length should be 2.5 meter. It is to be ensure that min lap between the bamboo should be 750 mm.
7. Before start the payout it is to be ensuring that proper communication should be available at both the end through walkie talkie.
8. The conductor will be fixed one side through come along clamp and passing that conductor through the scaffolding surface to pulling device (Winch machine) using wire rope.
9. The all conductor payout is done upon scaffolding by pulling device.
10. The roller should be placed on scaffolding for smooth passing of conductor.
11. The conductor (2no's) of complete section is then pulled at the section end where sagging is to be done.
12. The earth wire payout is complete in similar manner before conductor payout.
13. After completing the payout rough sag will be done and it is to be ensuring that conductor has adequate clearance from road as mentioned in approved drawing.
14. At the end final sagging will be done using winch machine only.
15. Flag man with walkie talkie and traffic barrier should available at site for safety major.
16. Warning sings board to be place at both side of road crossing.



For U.P.P.T.C.L

**Executive Engineer**  
**Electricity Transmission Division**  
**Beraut**





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## Government of Uttar Pradesh

### e-Stamp

Certificate No.	: IN-UP98951309341067T
Certificate Issued Date	: 03-Jul-2021 12:06 PM
Account Reference	: NEWIMPACC (SV) / up14129304/ BAGHPAT/ UP-BGH
Unique Doc. Reference	: SUBIN-UPUP1412930485940060361719T
Purchased by	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	:
First Party	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Second Party	: NA
Stamp Duty Paid By	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Please write or type below this line.....

### UNDERTAKING

Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 – 20+600 on NHAI –Eastern Peripheral Expressway near Village –Khekra(U.P)

Uttar Pradesh Power Transmission Corporation Limited, 132KV S/S Delhi Road Baraut-250611 Executive Engineer, Krishna Kumar here by undertake that-

  
Executive Engineer  
Electricity Transmission Division  
Baraut

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.





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## Government of Uttar Pradesh

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**Unique Doc. Reference** : SUBIN-UPUP1412930485969484789910T  
**Purchased by** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Description of Document** : Article 5 Agreement or Memorandum of an agreement  
**Property Description** : Not Applicable  
**Consideration Price (Rs.)** :  
**First Party** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Second Party** : NA  
**Stamp Duty Paid By** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Stamp Duty Amount(Rs.)** : 100  
 (One Hundred only)



-----Please write or type below this line-----

### UNDERTAKING

Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 – 20+600 on NHAI –Eastern Peripheral Expressway near Village –Khekra(U.P)

Uttar Pradesh Power Transmission Corporation Limited, 132KV S/S Delhi Road Baraut-250611 Executive Engineer, Krishna Kumar here by undertake that-

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App shall be void.
2. The cost of checking the genuineness is on the users of the certificate.

Executive Engineer

Electricity Transmission Division



- U.P.P.T.C.L. will pay necessary fee for the use of National Highway land whenever the fee is asked by the highway authority in future.
- U.P.P.T.C.L. undertake that it will relocate EHV line as per applicable rules notwithstanding the permission grant within such time as will be stipulated by NHAI for future site landing and other development.

  
Executive Engineer  
Electricity Transmission Division  
Beraut



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## Government of Uttar Pradesh

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<b>Certificate No.</b>	: IN-UP98959807589949T
<b>Certificate Issued Date</b>	: 03-Jul-2021 12:13 PM
<b>Account Reference</b>	: NEWIMPACC (SV)/ up14129304/ BAGHPAT/ UP-BGH
<b>Unique Doc. Reference</b>	: SUBIN-UPUP1412930485959235437096T
<b>Purchased by</b>	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
<b>Description of Document</b>	: Article 5 Agreement or Memorandum of an agreement
<b>Property Description</b>	: Not Applicable
<b>Consideration Price (Rs.)</b>	:
<b>First Party</b>	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
<b>Second Party</b>	: NA
<b>Stamp Duty Paid By</b>	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
<b>Stamp Duty Amount(Rs.)</b>	: 100 (One Hundred only)



.....Please write or type below this line.....

### UNDERTAKING

**Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 & 20+600 on NHAI –Eastern Peripheral Expressway near Village-Khekra(U.P)**

Uttar Pradesh Power Transmission Corporation Limited 132KV S/S Delhi Road Baraut-250611  
Executive Engineer, Krishna Kumar here by undertake that-

- Not to damage to other utility, if damage then to pay the losses either to MoRTH/NHAI or to the concerned agency.

**Executive Engineer**  
**Electricity Transmission Division**  
**Baraut**

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.





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Account Reference	: NEWIMPACC (SV)/ up14129304/ BAGHPAT/ UP-BGH
Unique Doc. Reference	: SUBIN-UPUP1412930485953102120470T
Purchased by	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	:
First Party	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Second Party	: NA
Stamp Duty Paid By	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Please cut off from below this line

### UNDERTAKING

**Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 – 20+600 on NHAI –Eastern Peripheral Expressway near Village –Khekra(U.P)**

Uttar Pradesh Power Transmission Corporation Limited, 132KV S/S Delhi Road Baraut-250611  
Executive Engineer, Krishna Kumar here by undertake that-

- No other structure will be erected nor other service rented within the ROW of NHAI-Eastern Peripheral Expressway without prior permission of NHAI.
- For shifting of Overhead Transmission Line as and when asked by MoRTH/NHAI within a month at our own cost.
- For Indemnity against all damages and claims.

Executive Engineer

Electricity Transmission Division

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shoilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App render it invalid.





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Certificate Issued Date	: 03-Jul-2021 12:10 PM
Account Reference	: NEWIMPACC (SV)/ up14129304/ BAGHPAT/ UP-BGH
Unique Doc. Reference	: SUBIN-UPUP1412930485949851120623T
Purchased by	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	:
First Party	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Second Party	: NA
Stamp Duty Paid By	: EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



-----Please write or type below this line-----

### UNDERTAKING

Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 – 20+600 on NHAI –Eastern Peripheral Expressway near Village –Khekra(U.P)

Uttar Pradesh Power Transmission Corporation Limited, 132KV S/S Delhi Road Baraut-250611 Executive Engineer, Krishna Kumarhere by undertake that-

- If any claim is raised by the Concessionaire/Contractor then the same has to be paid by the applicant.

Executive Engineer

Electricity Transmission Division

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified by the user on the mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the Website / Mobile App renders it invalid.



U.P.P.T.C.L. will take own responsibility and is not liable for any loss or damage to the property during execution of work at site crossing.

- IT is ensured that all safety measure will be taken during execution of work at site/crossing.
- U.P.P.T.C.L. will responsible to maintain compliances to the terms and conditions against the granting of NOC.

  
**Executive Engineer**  
**Electricity Transmission Division**  
**Beraut**



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**Certificate No.** : IN-UP98958275126044T  
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**Account Reference** : NEWIMPACC (SV)/ up14129304/ BAGHPAT/ UP-BGH  
**Unique Doc. Reference** : SUBIN-UPUP1412930485956052721384T  
**Purchased by** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Description of Document** : Article 5 Agreement or Memorandum of an agreement  
**Property Description** : Not Applicable  
**Consideration Price (Rs.)** :  
**First Party** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Second Party** : NA  
**Stamp Duty Paid By** : EXECUTIVE ENGINEER 132 KV SUBSTATION BARAUT  
**Stamp Duty Amount(Rs.)** : 100  
 (One Hundred only)



Please write or type below this line-----

### UNDERTAKING

Crossing of Overhead Transmission 132KV 2Phase Khekra-Ahera TSS Line at km 20+500 between Chainage no 20+400 – 20+600 on NHAI –Eastern Peripheral Expressway near Village –Khekra(U.P)

Uttar Pradesh Power Transmission Corporation Limited, 132KV S/S Delhi Road Baraut-250611 Executive Engineer, Krishna Kumar here by undertake that-

- For management of traffic movement during crossing of Overhead Transmission Line without hampering the Traffic.
- For confirming all standard condition of Morth/Nhai Guidelines.

#### Statutory Alert:

1. The authenticity of this Stamp certificate should be verified by scanning the QR code using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.

Executive Engineer

Electricity Transmission Division



- U.P.P.T.C.L undertakes that all minimum clearances will be maintained at stipulated in IE rules and other relevant codes.
- U.P.P.T.C.L will maintain the approved vertical clearance of the HT lines from the surface of the carriageway in future at our own cost.



**Executive Engineer**  
**Electricity Transmission Division**  
**Baraut**

# TOWER SCHEDULE

132 KV 2PHASE KHEKRA- AHERA TSS LINE

SL. NO.	AP NO.	ANGLE OF		Tower No & Type		Length Mtrs		Weight Span (Cold)			Weight Span (Hot)			Wind	Crossing Details	Wind Zone	Remarks
		DEVIATION		Tower No	Type	Span	Section	Cum.	Left	Right	Total	Left	Right	Total			
0					GANTRY	18										KHEKRA	
1	AP-01	52°36'50"LT		1	DC+0	110	18	18	18	0	18	18	0	18	64	ZONE-5	
2	AP-02	18°20'04"RT		2	DC+15	365	110	128	120	307	427	120	270	390	237.5	132 KV SIC (BAGHPAT-KHEKRA) LINE	
3	AP-03	12°13'40"LT		3	DB+0	345	365	493	58	171	229	94	172	266	355	LT & 11 KV LINE	
4	AP-04	18°23'56"LT		4	DB+0	310	345	838	174	158	332	174	157	331	327.5	ROAD	
5				5	DA+0	335			152	163	315	152	165	317	322.5	2 NOS CART TRACK & 2 NOS LT LINE	
6				6	DA+0	280			172	141	313	170	141	311	307.5	ZONE-5	
7	AP-05	19°09'03"RT		7	DB+0	280	925	1763	139	98	237	139	110	249	280	CART TRACK, 11 KV, 33 KV LINE & LT LINE	
8				8	DA+5	300			182	102	284	170	116	286	290	CART TRACK	Fakharpur Mohammad
9	AP-06	08°52'19"RT		9	DC+10	190	580	2343	198	96	294	184	96	280	245	2 NOS CART TRACK, 2 NO ROAD & 11 KV LINE	
10	AP-07	53°13'15"LT		10	DC+10	360	190	2533	94	215	309	94	205	299	275	RAILWAY TRACK	
11				11	DA+5	285			145	183	328	155	171	326	322.5	CART TRACK & 2 NOS LT LINE	Fakharpur
12	AP-08	24°44'28"RT		12	DB+0	325	645	3178	102	126	228	114	137	251	305	CART TRACK & 33 KV LINE	
13				13	DA+5	325			199	196	395	188	186	374	325	CART TRACK LT LINE & R	ZONE-5
14	AP-09	39°14'57"LT		14	DC+0	650		3828	129	169	298	139	170	309	337.5	11 KV LINE	



*Signature*

*Signature*

*Signature*



15			15	DA+0	350				181	159	340	180	159	339	332.5	CART TRACK & LT LINE	ZONE-5
16			16	DA+0	315				156	171	327	155	170	326	327.5	11 KV LINE & 2 NOS LT LINE	
17	AP-10	29°05'09"LT	17	DB+0	340											CART TRACK & ROAD	
18			18	DA+0	270	1005	4833	169	141	310	170	139	309	305		2 NOS CART TRACK & 11 KV LINE	Sikandarpur
19		00°00'00"	19	DB+0	270				129	139	268	131	138	269	270	CART TRACK	ZONE-5
20	AP-11	22°37'48"RT	20	DC+15	360				131	71	202	132	103	235	315		DUE TO UP LIFT
21	AP-12	34°41'15"LT	21	DC+15	180	5913	94	280	374	93	248	341	260			Eastern Peripheral Expressway, 2 NOS CART TRACK & 2 NOS 11 KV LINE	
22		00°00'00"	22	DB+0	265				60	133	193	92	133	225	302.5	ROAD & NALA	ZONE-5
23	AP-13	29°30'30"LT	23	DB+0	275	605	6518	132	135	267	132	136	268	270			DUE TO UP LIFT
24			24	DA+0	275				140	136	276	139	137	276	275	ROAD NALA & 11 KV LINE	
25			25	DA+0	275				139	136	275	138	137	275	275	11 KV LINE	ZONE-5
26	AP-14	38°57'47"RT	26	DC+0	260	825	7343	139	122	261	138	124	262	267.5			
27			27	DA+0	260				138	134	272	136	133	269	260	ROAD	ZONE-5
28			28	DA+0	270				126	129	255	127	131	258	265	LT LINE	
29	AP-15	11°34'21"RT	29	DB+0	300	790	8133	141	140	281	139	143	282	285		LT LINE & CART TRACK	
30			30	DA+0	350				160	139	299	157	149	306	325	11 KV LINE	ZONE-5
																ROAD & 11 KV LINE	Basi



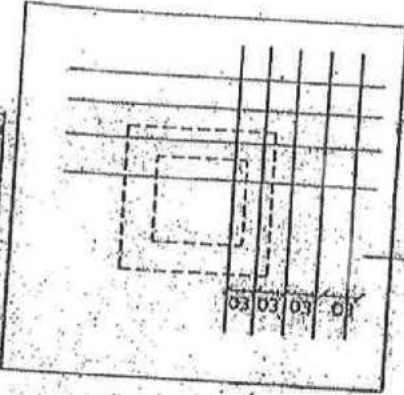
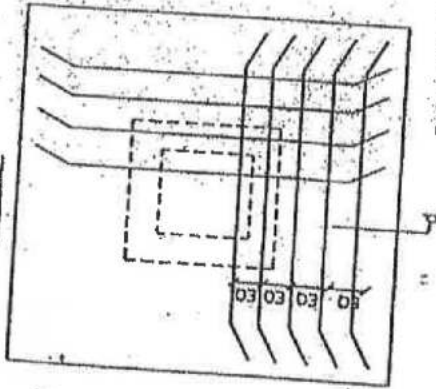
31			31	DA+5						211	194	405	201	185	386	337.5			
32			32	DA+0						131	163	284	140	162	302	320		11 KV LINE	
33	AP-16	26°12'50"LT	33	DB+0						152	141	293	153	143	296	307.5		LT LINE	
34			34	DA+0						159	148	307	157	146	303	290		CART TRACK	ZONE-5
35			35	DA+0						132	110	242	134	111	245	252.5		ROAD, NALA 11 KV & CART TRACK	Sunehra
36	AP-17	31°40'05"RT	36	DC+0						115	93	208	114	107	221	255		3 NOS 11 KV LINE	
37		00°00'00"	37	DB+5						192	55	247	178	80	258	285		2 NOS 11 KV & CART TRACK	ZONE-5
38	AP-18	17°08'50"RT	38	DC+15						230	53	283	205	53	258	225.5		2 NOS 11 KV LINE	DUE TO UP LIFT
39	AP-19	25°34'19"LT	39	DC+15						83	280	363	83	249	332	255.5		132 KV D/C BAGHPAT - HARSHIYA LINE	
40		00°00'00"	40	DB+0						65	174	239	96	173	269	345		CART TRACK	
41	AP-20	34°49'38"RT	41	DC+0						171	99	270	172	98	270	270			ZONE-5
42	AP-21	21°20'29"RT	42	DC+0						96	55	151	97	55	152	125		ROAD & 33 KV LINE	
43			42 A	G-1															ZONE-5
44			42 B	G-2														400 KV SC LINE	Harchandpur
45	AP-22	54°17'15"LT	43	DC+0						55	78	133	55	77	132	100			
46	AP-23	34°52'46"LT	44	DC+0						67	158	225	68	159	227	232.5			ZONE-5
47			45	DA+0						162	135	297	161	137	298	302.5		BRICK ROAD & 11 KV LINE	





[illegible]

SHEET NO. : 7 OF 7  
DESIGN NO. : 08/FDN-FS -31  
TOWER TYPE : C60-10M/C60-15M  
SOIL TYPE : FS (FULLY SUBMERGED)



BAR BENDING DETAIL

H	3000
B	4010
W	520
M	225
P	50
D	200
B1	3610
PH	1875
H1	875
HT	--
ØT	--
ØS	15
rs TOP	--
rs BOT	940

QUANTITY / TOWER

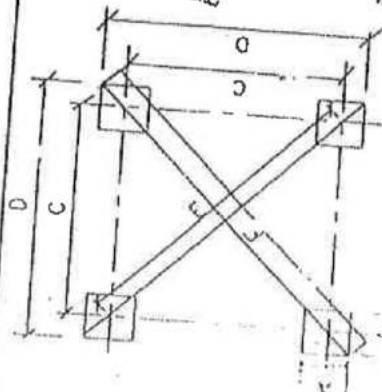
CONCRETE VOL M <sup>3</sup>	1:2:4	54.61
	1:3:5	----
EXCAVATION VOL. M <sup>3</sup>		222.913
STEEL KG		186.00

## EXCAVATION DIMENSION TABLE





	C60+10M	C60+15M
A	4310	4310
C	13109	14828
D	17419	19138
E	18540	20971
合計	24635	27066

APPROVED

॥ श्रीगणेशाय नमः ॥  
 विष्णुः सर्वभूतहिते रतः  
 सर्वं कुरु विष्णुः ॥



EAGLE ON DETAIL AT WORKING POINT

MARK	SHAPE & SIZE	STEEL GRADE	DIA	UNIT WT KG/M	LENGTH	QTY/ LEG	TOTAL WT / LEG
a	250  3025	Fe 415	16 Ø	1.578	3275	4	41.344
b	 420	Fe 250	6 Ø	0.222	1780	13	5.137
c			---	---	---	---	---
d			---	---	---	---	---

DATE	TIME	LOCATION	WEIGHT	LEG	FEET
11/11/81	11:30	1000	1000	1000	1000

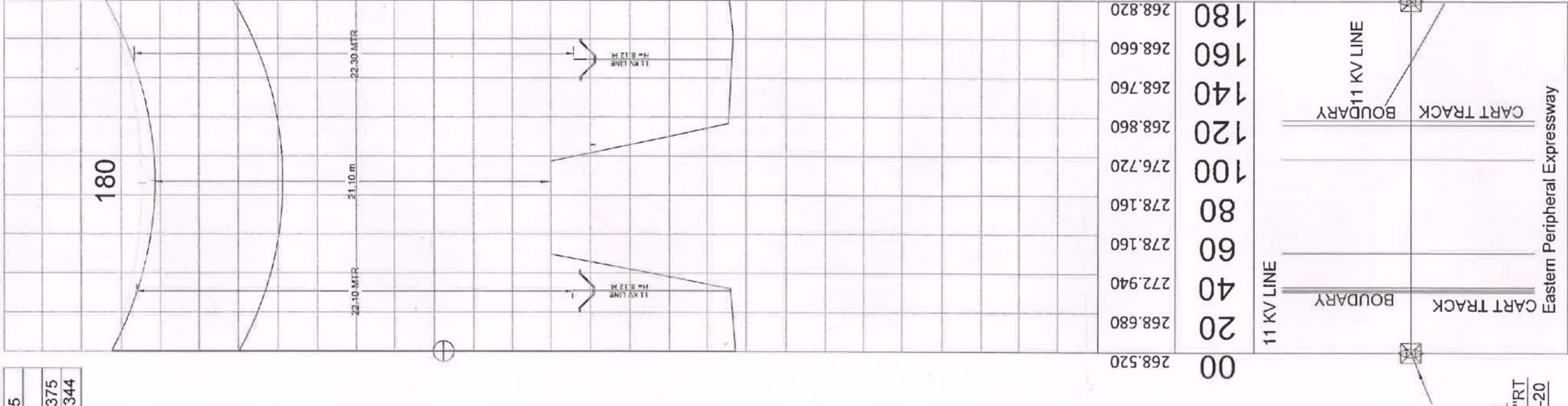


U.P. POWER TRANSMISSION CORPORATION LIMITED  
PERMISSION FOR CROSSING OF OVERHEAD

132KV 2PHASE KHEKRA-AHERA TSS LINE  
BY UPPTCL EXECUTIVE ENGINEER 132KV S/S DELHI ROAD BARAUT (U.P) ON  
EASTERN PERIPHERAL EXPRESSWAY AT 20+500 BETWEEN CHAINAGE NO.  
20+400 - 20+600

LOC. NO. :-	20	DC+15
WIND SPAN	- :	270
WEIGHT SPAN (COLD)- :	289	86
WEIGHT SPAN (HOT)- :	257	87
	344	

LOC. NO. :-	21	DC+15
WIND SPAN	- :	260
WEIGHT SPAN (COLD)- :	94	280
WEIGHT SPAN (HOT)- :	93	248
	341	



AP-11  
/22°37'48"RT  
LOC.NO.-20

AP-12  
/34°41'15"LT  
LOC.NO.-21

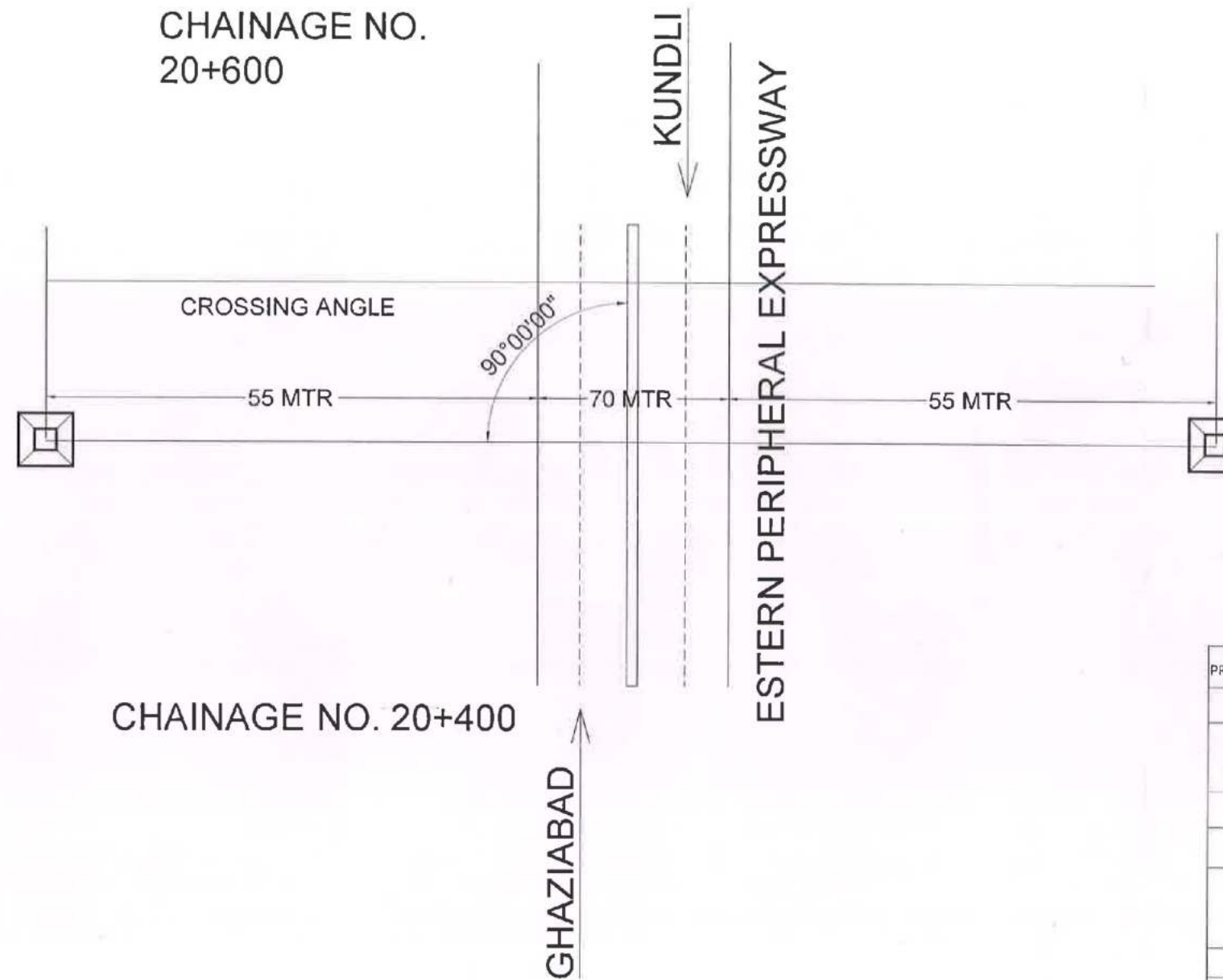
PROJECT	132 KV 2 PHASE KHEKRA - AHERA TSS LINE
FOR - RS INFRAPROJECTS PVT LIMITED	
SURVEYED BY	FOR - UP P T C L
CHECKED & SUBM. BY	
CHECKED BY	RECOMMENDED BY
APPROVED BY	
DRAWING TITLE	Eastern Peripheral Expressway PROPOSAL FROM AP 11 TO AP 12

Executive Engineer  
Electricity Transmission Division  
Baraut




# PERMISSION FOR CROSSING OF OVERHEAD

132KV 2PHASE KHEKRA-AHERA TSS LINE

BY UPPTCL EXECUTIVE ENGINEER 132KV S/S DELHI ROAD BARAUT (U.P) ON  
EASTERN PERIPHERAL EXPRESSWAY AT 20+500 BETWEEN CHAINAGE NO.  
20+400 - 20+600



PLAN LAYOUT AS PER SCALE

PROJECT 132 KV 2 PHASE KHEKRA - AHERA TSS LINE		
FOR- RS INFRAPROJECTS PVT. LIMITED		
SURVEYED BY 		CHECKED & SUBM. BY
FOR- U. P. P. T. C. L.		
CHECKED BY 	SUBMITTED BY  Executive Engineer Electricity Transmission Division Baraut	
FOR- EASTERN PERIPHERAL EXPRESSWAY		
CHECKED BY	RECOMMENDED BY	APPROVED. BY
DRAWING TITAL Eastern Peripheral Expressway PROPOSAL FROM AP 11 TO AP 12		