



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

क्षेत्रीय कार्यालय-पश्चिम उ०प्र०, लखनऊ

Regional Office - West UP, Lucknow.

3/248, विशाल खण्ड, गोमती नगर, लखनऊ-226010 (उ.प्र.)

3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

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वेबसाइट / Website : www.nhai.gov.in

19001/1/RO-W-UP/NH-709B/36.430-36.443/220KV/ 531.

Dated: 17.12.2020

Invitation of Public Comments

Sub: Proposal for overhead crossing of 220KV Single Circuit Baraut-Shamli LILO Nirpura Line through NH-709B between Ch. 36.430 to 36.443- reg.

The Executive Engineer, Electricity Transmission Division, UPPTCL, Baraut has submitted the proposal for the permission of overhead crossing of 220KV Single Circuit Baraut-Shamli LILO Nirpura Line through NH-709B between Ch. 36.430 to 36.443 in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that the height of both proposed structures (Transmission Towers) on which the proposed overhead line is hanging is 49.355m (both). The structures (Transmission Towers) on either side are being erected at distance of 86m & 53m respectively from either side of NH boundary. Further, the minimum clearance of 15.10m between the lowest conductor of the proposed line and NH carriageway shall be maintained. However, the proposed transmission line shall be crossing the National Highway at 90 degree.

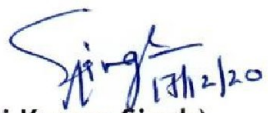
3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

4. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

**The General Manager cum Regional Officer,
National Highways Authority of India
Regional Office, UP-West, Lucknow
3/248, Vishal Khand, Gomti Nagar
Lucknow-226 010**

This issues with the approval of RO-West (UP).

Encl: As above.


(Anuj Kumar Singh)
Manager (T)
For RO-UP (West)

Copy to:

1. Web Admin, NHAI-HQ- with request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi - with request for uploading on the Ministry's website.
3. The Executive Engineer, Electricity Transmission Division, UPPTCL, Baraut.
4. The Project Director, NHAI, PIU-Baghat for information.

"Building a nation, not just Roads."

मुख्यालय : प्लॉट सं० जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075, दूरभाष : 91-11-25074100/200

Head Office : Plot No. G-5 & 6, Sector - 10, Dwarka, New Delhi - 110 075 Phone : 91-11-25074100/200

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Project Director for processing the proposal of line overhead electrical line crossing National Highways vested with NHAI.

Circular/Codes:-

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 to IV

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

For getting approval for layering of overhead electrical line along the National Highways NH-709 vested with NHAI.

FOR NH-709 Over head crossing by LILO of 220 KV SC Baraut (Baghpat)- Shamli at Nirpura SS Line.		
S.No.	Description	Details
1	Applicant Address.	OFFICE OF THE EXECUTIVE ENGINEER Electricity Transmission Division U.P.Power Transmission Corporation Limited 132 KV S/S DELHI ROAD BARAUT-250611
2	Email ID of Applicant.	eeetd baraut @ upptcl. org
3	National Highway No.	709
4	Crossing Name	Jewana -Biral
5	Crossing Chaninage	36+430 & 36+443
6	System of Supply(i.e.Voltage) frequency,no.of phases,whether neutral is earthed or not	220KV,50HZ,2X3(DC) ACSR Zebra with one earth wire
7	Position of Tower	AP4/O Latitude 722014.68 Longitude 3236763.94 & AP5/O Latitude 722173.3 Longitude 3236740.75 all co-ordinates in UTM
8	Normal Span at Panther Conductor	380M
9	Maximum sag at Normal Span	11.999 M
10	Crossing Span	170M
11	Preceding Span with loc	233M
12	Succeeding Span with loc	238M
13	Height of structure above ground and below ground separately and detail of foundation	Above Ground level- 49.355M Below the Ground Level- 3 M
14	Sag of ACSR Zebra Conductor size Aluminum 54/3.18 & steel 7/3.18mm	Calculated
15	Clearance Over Road	12.90M
16	Height of lower conductor from Ground Level	20.17M
17	Height of lower conductor from Level of NH	15.10M
18	Angle of Road crossing	90 Degree

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PIU-Baghpat

19	Distance from NH Boundary from centre of tower	AP 4/0 -86M & AP5/0-53M
20	Perpendicular distance from centre of tower to center of road	AP4/0-101M and AP5/0-69M
21	Protection of Assembly of line	Danger Plate & Anti-Climbing Devices
22	Foundation type	Fully Sub -Merged
23	No.of stay required	Self Supporting towers
24	Min factor of safety	2
25	Size of power conductor	28.62 mm
26	Size of earth wire	10.98 mm
27	Two legs of tower earthed	Pit-A
28	Plain paper diagram	Profile Enclosed
29	Earthing	Pipe Type earthing

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Elect Trans Division
Baraut

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National Highway Authority of India
PIU-Baghat

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Annexure-03

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

General Information

Name and Address of the Applicant/Agency : Mr Krishna Kumar

**Executive Engineer - Electricity Transmission Division,
U.P.Power, Transmission Corporation Ltd.
132 KV S/S Delhi Road,
Baraut-250611 Phone – 01234- 251252,
e-mail : eeetdbaraut@upptcl.org**

1. National Highway No. : NH-709B
2. State : UTTAR PRADESH
3. Location : Vill-KARIMPUR
4. Chainage in km : KM. (36+430 & 36+443)
5. Length in m : 170 M
6. Side of NH : Across the National Highway
(left or right side of NH towards increasing Chainage / Km direction)
7. Name of Highway Authority of : NHAI, U. P.
NHAI/PWD/BRO
8. Highway Administration address : National Highways Authority of India
Project Implementation Unit-U.P.

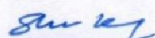

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				Norms
1	Details of already laid utility service, if any	NA	Enclosed	
2	Whether up gradation of the stretch in near future is proposed or not	NO		
	(a) If yes, provision of utility adversely affect the plan of up-gradation	-	Not affect plan of up-gradation	
3	Laying of the utility service along the National Highways.	NA		
3.1.	Location of proposed utility service along the stretch	-	Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the RoW.	
3.2	Depth of top of utility service from ground level	-	1.20 meter	
3.3	Mechanism for crossing water channel	-	Through utility duct(if provision exists) or beneath the bed of water channel	
3.4	Whether ROW is restricted in this stretch?	-		
3.4.1	If yes, whether provision of land acquisition is required to lay utility	-		
	(a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished	-		
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts	-	Not less than one lane	
4	Laying of utility services across the NH	YES, Overhead crossing		
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	NA	Not to be allowed	
4.2	Proposed crossing of utility service	Overhead power line, perpendicular to NH	Perpendicular to NH	
4.3	Type of casing pipe/conduit carrying the utility line.	NA	Steel, cast iron, or reinforced cement concrete and have adequate strength	
4.4	Whether ends of the casing/conduit pipe are sealed from the outside	NA	Sealed	
4.5	Length of casing/Transmission line	NA	Extend from drain to	


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	crossing NH.		drain in cuts and toe to toe of slope in the fills	
4.6	Depth of top of the casing/conduit pipe.	NA	At least 1.2 m below the top of subgrade	
4.7	Crossing method in case of CC pavement.	NA	Only boring method (HDD)	
4.8	Horizontal and vertical clearances in case utilities are allowed overhead,	20.71 M Vertical clearance	In accordance with IRC codes.	
5	Document / Drawings enclosed with the proposal	Yes		
5.1	Cross-Section showing the size of trench for open trenching method	NA	Enclosed, if applicable	
	(a) Trench width	-	More than 30 cm and less than 60 Cm wider than the outer diameter of the utility pipe	
	(b) Filling of trench	-	as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016	
	(c) location of trench	-	extreme edge of the ROW	
5.2	Cross section showing the size of pit and location of conduit for HDD method	NA	Enclosed, if applicable	
5.3	Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Checklist Enclosed	Enclosed	
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Profile Enclosed	Enclosed	
6	Methodology for laying of utility line	Enclosed	Enclosed	
7	Draft License Agreement is as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses	Enclosed -NA-	Enclosed -NA-	
8	License fees in Favor of MoRTH RPAO Jaipur	NA	As per Ministry vide circular no. RE/NH-	

			33044/29/2015/S&(R)dated 22.11.2016	
9	Whether Bank Guarantee has been obtained	yes	As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R)dated 22.11.2016	
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH/NHAI guidelines	-		
10	Affidavit / Undertaking from the Applicant for			
10.1	Undertaking for not to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency.	Enclosed	Enclosed	
10.2	Undertaking for renewal of Bank Guarantees and when asked by NHAI/MoRTH	Enclosed	Enclosed	
10.3	Undertaking for confirming all standard condition of MoRTH/NHAI guidelines.	Enclosed	Enclosed	
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost.	Enclosed	Enclosed	
10.5	Undertaking for indemnity against all damages and claims.	Enclosed	Enclosed	
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Enclosed	Enclosed	
10.7	Undertaking that If any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant	Enclosed	Enclosed	
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration	Enclosed	Enclosed	


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Sanjay


 Project Director
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The Right of the Way (ROW) of the National Highway available at the proposed location from the center line of divided carriageway is (30)m (from center of ROW to edge of ROW towards proposed utility)

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



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

Executive Engineer
Electricity Transmission Division
Baraut (Baghpat)



Project Director

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