



# 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.

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19001/1/RO-W-UP/NH-709A/23-24/400KV/598.

Dated: 05.02.2021

### Invitation of Public Comments

**Sub:** Proposal for permission for Overhead National Highway, NH-709A (Old No. SH-14) and Bypass Crossing of 400 KV D/C Shamli-Aligarh Transmission Line between km. 23.00 to km. 24.00 (Exact location 23.463 km)- reg.

The Executive Engineer, Electricity Transmission Division, Hapur has submitted the proposal for permission for crossing of Overhead National Highway, NH-709A (Old No. SH-14) and Bypass Crossing of 400 KV D/C Shamli-Aligarh Transmission Line between km. 23.00 to km. 24.00 (Exact location 23.463 km).

2. From the submitted proposal, it is seen that structures (Transmission Towers) on either side are being erected at distance of 78m & 129m (Tower Location No. AP-194 & AP-195) and 100m & 80m (Tower Location No. AP-195 & AP-195X) respectively from either side of NH boundary. Crossing span of the structure is 247m & 220m. Further, the minimum vertical clearance of 22.40m & 22.80m 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).

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, Hapur for information.
4. The Project Director, NHAI, PIU-Moradabad: It is requested to comply the observations as raised by this office vide letter No. 595 dt. 03.02.2021 for taking further necessary action on the proposal.

*"Building a nation, not just Roads."*



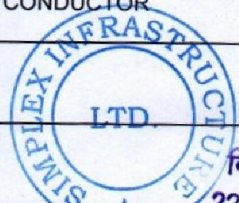
# CHECK LIST

FOR NH-709A (OLD NO.SH-14) & (PROPOSED BY PASS) ROAD CROSSING BY 400 KV D/C SHAMLI-ALIGARH TRANSMISSION LINE.

Name of Transmission Line : 400 KV D/C SHAMLI-ALIGARH TRANSMISSION LINE.

SL NO.	DESCRIPTION	DETAILS
1	NATIONAL HIGHWAY NO.	NH-709A (Old No.SH-14) & (PROPOSED BY PASS) (MEERUT - GARHMUKTESHWAR)
2	CROSSING LINE NAME	400 KV D/C SHAMLI - ALIGARH TRANSMISSION LINE.
3	CROSSING SPAN	247 M, 220 M.
4	SYSTEM OF SUPPLY (e.i VOLTAGE, FREQUENCY, NO. OF PHASE, WHETHER NEUTRAL IS EARTHED OR NOT)	400 KV, 6 PHASE DOUBLE CIRCUIT LINE WITH ONE OPGW & ONE EARTH WIRE
5	POSITION OF TOWER	Tower Location. AP-194/0 DD+9 Tower Location. AP-195/0 DD+9 Tower Locatio. AP- 195X/0 DD+9
6	NORMAL SPAN AT MOOSE CONDUCTOR	400 m
7	MAXIMUM SAG AT NORMAL SPAN	12.870 m
8	CROSSING SPAN	✓ 247 M, & 220 M.
9	PRECEEDING SPAN WITH LOC	LOC AP - 193/3 ,SPAN = 394 M, & LOC AP -194 247 M
10	HEIGHT OF TOWER STRUCTURE ABOVE GROUND AND BELOW SEPERATELY AND DETAILS OF FOUNDATION	Angle Tower Location No. AP-194; Tower type - DD+9 m ; Heght above GL=55.150 m; Foundation depth below GL-3.00M. Angle Tower Location No. AP-195 ; Tower type - DD+9 m; Heght above GL=55.150 m ; Foundation depth below GL-3.00M./ And Loc No. AP-195X, Tower Type - DD+9, Height above GL = 55.15, Foundation depth below GL - 3.00 M.
11	SUCCEEDING SPAN WITH LOCATION.	LOC AP-195, SPAN = 220 M & LOC AP-195Y, SPAN = 215 M
12	MAXIMUM SAG AT NORMAL SPAN FOR MOOSE CONDUCTOR AT 85 degree C	12.870 m
13	CLEARANCE OVER ROAD	
14	HEIGHT OF LOWER CONDUCTOR FROM GROUND LEVEL AT TOWER	30.87 meter
15	HEIGHT OF LOWER CONDUCTOR FROM LEVEL OF ROAD AT CROSSING	✓ 22.40 M, & 22.80 M
16	ANGLE OF ROAD CROSSING	✓ 90 Degree
17	DISTANCE FROM NH BOUNDARY FROM CENTRE OF TOWER	Angle Tower Location No. AP-194; DD+9 - 78 m. Angle Tower Location No. AP-195 ; DD+9 - 129 m. Angle Tower Location No. AP-195; DD+9 - 100 m. Angle Tower Location No. AP-195X ; DD+9 - 80 m.
18	PRPENDICULAR DISTANCE FROM CENTRE OF TOWER TO CENTRE OF ROAD	FROM AP-194 PERPENDICULAR DISTANCE = 98 m FROM AP-195 PERPENDICULAR DISTANCE = 149 m FROM AP-195 PERPENDICULAR DISTANCE = 120 m FROM AP-195X PERPENDICULAR DISTANCE = 100 m
19	ANTICLIMBING DEVICE	AT FIRST BELT LEVEL DRG SHOWN IN PROPOSAL
20	FOUNDATION TYPE	FS TYPE FDN
21	NO. OF STAY REQUIRED	NONE (SELF SUPPORTING TOWER)
22	MIN FACTOR OF SAFETY	2
23	SIZE OF POWER CONDUCTOR	Conductor - ACSR MOOSE Conductor dia= 31.77 MM; Cond.weight=2.004 kg/m
24	SIZE OF OPGW	OPGW - 48 FIBRE, UNIT WT= 0.583 Kg/meter

Amber



विद्युत परियोजना उप खण्ड प्रथम

Executive Engineer  
Electy Transmission Division  
Hapur



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FOR NH-709A (OLD NO.SH-14) & (PROPOSED BY PASS) ROAD CROSSING BY 400 KV D/C SHAMLI-ALIGARH TRANSMISSION LINE.

Name of Transmission Line : 400 KV D/C SHAMLI-ALIGARH TRANSMISSION LINE.

SL NO	DESCRIPTION	DETAILS
25	TWO LEGS OF TOWER EARTHED	EARTHING IN TWO DIAGONAL LEGS
26	PLAIN PAPER DIAGRAM	GROUND PROFILE ENCLOSED
27	EARTHING	PIPE TYPE EARTHING

*Amal Singh*



*Amal Singh*

उपखण्ड अधिकारी  
विद्युत पारिषद उप खण्ड प्रथम  
220 के०वी० उपकेन्द्र सिम्भावली

*Amal Singh*

Executive Engineer  
ty Transmission Division  
Hapur