

Government of India

Ministry of Road Transport & Highways
(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022

Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 16.01.2019

Invitation of public comments

Sub.: Proposal for NOC for overhead crossing of Lilo of 400 KV D/C Aligarh - Sikandrabad transmission line at Harduaganj Thermal Power Station (Near Village Sisroi Nagla Dhak, Aligarh) on NH-91 at Km. 148.700 in district Aligarh in the State of Uttar Pradesh - Reg.

1. The Executive Engineer, UP Power Transmission Corporation Limited, Aligarh has submitted the proposal for NOC for crossing of Lilo of 400 KV D/C Aligarh - Sikandrabad transmission line at Harduaganj Thermal Power Station (Near Village Sisroi Nagla Dhak, Aligarh) on NH-91 at Km. 148.700 in district Aligarh in the State of Uttar Pradesh to the Project Director, NHAI, PIU, Aligarh.

2. From the submitted proposal, it is seen that the height of both the pylons on which the proposed overhead line is hanging is 55.54m. The pylons on either side are erected at distance of 114.5m & 71.5m from the centerline of the carriageway. Further, it has been submitted that the minimum clearance between the lowest conductor of the proposed line and NH carriageway is 26.9m.

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:

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Yours faithfully,

Encl.: As above



(Lalit Pratap Pal)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

Copy to:


- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Regional Officer (CGM), National Highways Authority of India, CP-12, Viraj Khand, Gomti Nagar, Lucknow-226001





(Lalit Pratap Pal)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

Check List											
For NH-91 road crossing by LILO 400KV DC Aligarh-Sikandarabad Line at Harduaganj Thermal Power Station											
Sl. No.	Description	Details									
1	National Highway no	91									
2	Crossing name	Aligarh-Kanpur									
3	Crossing chaninage	148.70									
4	Ststem of sypply (i.e. Voltage) Frequency no. of phases, Whether neutral is earthed or not	400KV, 50Hz, 2x6 Phase (ACSR twin) with one earth wires & one OPGW									
5	Position of tower	AP 8 - DD + 9 & AP 9 DD+9									
6	Normal span at MOOSE conductor	400m									
7	Maximum sag at normal span	13.26m									
8	Crossing span	186m									
9	Preceding span with loc	295m									
10	Succeeding span with loc	380m									
11	Height of structure above ground and below ground separately and detail of foundation.	<table> <tr> <th>Type of Tower</th><th>Height above ground</th><th>Depth below ground</th></tr> <tr> <td>i) 8/0(DD+9)</td><td>55.54 Meter</td><td>3.00 Meter</td></tr> <tr> <td>ii) 9/0(DD+9)</td><td>55.54 Meter</td><td>3.00 Meter</td></tr> </table>	Type of Tower	Height above ground	Depth below ground	i) 8/0(DD+9)	55.54 Meter	3.00 Meter	ii) 9/0(DD+9)	55.54 Meter	3.00 Meter
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i) 8/0(DD+9)	55.54 Meter	3.00 Meter									
ii) 9/0(DD+9)	55.54 Meter	3.00 Meter									
12	Sag of ACSR MOOSE conductor size Aluminium: 54/3.53 & Steel: 7/3.53	Sag Calculation (enclosed)									
13	Clearance over road	26.9m									
14	Height of lower conductor from ground level	27.9m									
15	Height of lower conductor from level of NH	26.9m									
16	Angle of road crossing	90 Degree									
17	Distance from NH boundary from centre of tower	AP 8 - 94 m & AP 9-54.00m									
18	Perpendicular distance from centre of tower to centre of road	AP8-114.5M & AP9-71.5									
19	Protection of assembly of line	Danger plate and anti climbing device									
20	Foundation type	AP8-FS & AP9-FS									
21	No of stay required	Self Supporting Tower									
22	Min factor of safety	2									
23	Size of power conductor	ACSR MOOSE CONDUCTOR:Aluminium: 54/3.53 & Steel: 7/3 53									
24	Size of earth wire	7/3.66mm Galvanized steel earth wire									
25	Two legs of tower earthed	Pit A & Pit C									
26	Plain paper diagram	Profile(enclosed)									
27	Earthing	Pipe Type Earthing									


पी० पी० सिंह / P.P. Singh
 परियोजना निदेशक / Project Director
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, प.क.इ.-अलीगढ़
 National Highways Authority of India, PIU-Aligarh
 (सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
 (Ministry of Road Transport & Highways, Govt. of India)


प्रबंधक (सक०) / Manager (T)
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(Abhishek Singh)
Executive Engineer
 Executive Engineer
 Elect. 400 KV Substation Division
 U.P. Power Transmission Corp. Ltd
 ALIGARH