



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)

19001/1/RO-W-UP/NH-709AD/49.580-49.530/132KV/653

दूरभाष / Phone : 0522-4960291

टेलीफैक्स / Fax : 0522-4950680

ई-मेल / E-mail : rowestup@nhai.org

rowestup@gmail.com

वेबसाइट / Website : www.nhai.gov.in

Dated: 12.03.2021

Invitation of Public Comments

Sub: Proposal for overhead crossing of 132KV D/C Budhana-Kharad LILO Line at 400 S/S, Shamli between km. 49+580 to km. 49+530 of NH-709AD- reg.

The Executive Engineer, Electricity Transmission Division, UPPTCL, Shamli has submitted the proposal for the permission for overhead crossing of 132KV D/C Budhana-Kharad LILO Line at 400 S/S, Shamli between km. 49+580 to km. 49+530 of NH-709AD in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that structures (Transmission Towers) on either side are being erected at distance of 60m & 80m respectively from either side of NH boundary. Crossing span of the structure is 200m. Further, the minimum vertical clearance of 23.5m 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.

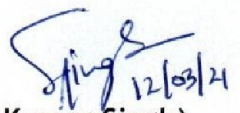
3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

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, Shamli for information.
4. The Project Director, NHAI, PIU-Baghpat 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

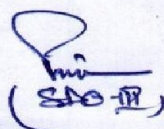
Head Office : Plot No. G-5 & 6, Sector - 10, Dwarka, New Delhi - 110 075 Phone : 91-11-25074100/200

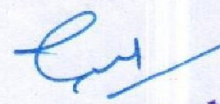
CHECK LIST

FOR NH-709AD (Shamli-Muzaffernagar Section) ROAD CROSSING BY 132 KV D/C Budhana-Kharad LILO line AT 400KV Shamli.

Name of Transmission Line : 132 KV D/C Budhana-Kharad LILO line AT 400KV Shamli.

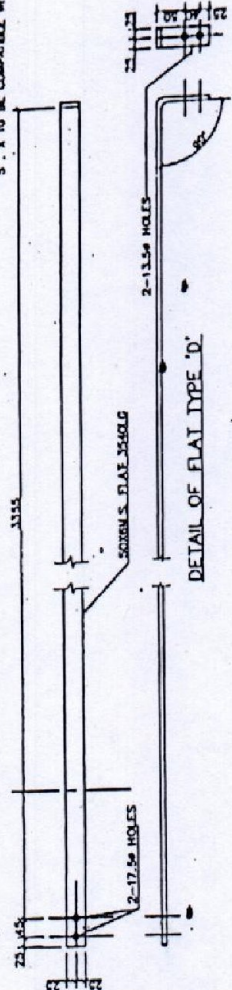
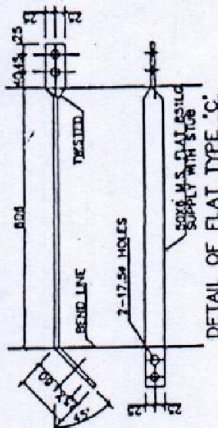
SL NO.	DESCRIPTION	DETAILS
1	NATIONAL HIGHWAY NO.	NH-709AD (Shamli - Muzaffernagar)
2	CROSSING LINE NAME	132 KV D/C Budhana-Kharad LILO line AT 400KV Shamli .
3	CROSSING SPAN	200 M
4	SYSTEM OF SUPPLY (e.i VOLTAGE, FREQUENCY, NO. OF PHASE, WHETHER NEUTRAL IS EARTHED OR NOT)	132KV, 3 PHASE DOUBLE CIRCUIT LINE WITH ONE OPGW
5	POSITION OF TOWER	Tower Location. AP-3 DC+15 Tower Location. AP-4 DC+15
6	NORMAL SPAN AT PANTHER CONDUCTOR	380 m
7	MAXIMUM SAG AT NORMAL SPAN	10.475 m
8	CROSSING SPAN	200 M
9	PRECEEDING SPAN WITH LOC	LOC AP-2 ,SPAN = 350 M
10	HEIGHT OF TOWER STRUCTURE ABOVE GROUND AND BELOW SEPERATELY AND DETAILS OF FOUNDATION	Angle Tower Location No. AP-3; Tower type - DC+15 ; Height above GL=47.025 m ; Foundation Type-PS Angle Tower Location No. AP-14 ; Tower type - DD+15 m ; Height above GL=47.025 m ; Foundation type-PS
11	SUCCEEDING SPAN WITH LOCATION.	LOC AP-5 ,SPAN = 350 M
12	MAXIMUM SAG AT NORMAL SPAN FOR PANTHER CONDUCTOR AT 85 degree C	10.475 m
13	CLEARANCE OVER ROAD	23.5 M
14	HEIGHT OF LOWER CONDUCTOR FROM GROUND LEVEL AT TOWER	31.8 meter
15	HEIGHT OF LOWER CONDUCTOR FROM LEVEL OF ROAD AT CROSSING	23.5 M
16	ANGLE OF ROAD CROSSING	90 Degree
17	DISTANCE FROM NH BOUNDARY FROM CENTRE OF TOWER	FROM AP-3 DISTANCE =60m FROM AP-4 DISTANCE= 80 m
18	PRERPENDICULAR DISTANCE FROM CENTRE OF TOWER TO CENTRE OF ROAD	FROM AP-3 PERPENDICULAR DISTANCE =90 m FROM AP-4 PERPENDICULAR DISTANCE =110 m
19	ANTICLIMBING DEVICE	AT FIRST BELT LEVEL
20	FOUNDATION TYPE	PS TYPE FDN
21	NO. OF STAY REQUIRED	NONE (SELF SUPPORTING TOWER)
22	MIN FACTOR OF SAFETY	2
23	SIZE OF POWER CONDUCTOR	Conductor - ACSR PANTHER Conductor dia= 21 MM; Cond.weight=0.977 kg/m
24	SIZE OF OPGW	OPGW - 48 FIBRE, UNIT WT= 0.583 Kg/meter
25	TWO LEGS OF TOWER EARTHED	EARTHING IN TWO DIAGONAL LEGS
26	PLAIN PAPER DIAGRAM	GROUND PROFILE ENCLOSED
27	EARTHING	PIPE TYPE EARTHING


(S.A.O.-III)


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NOTE :-

1. ALL DIMENSIONS ARE IN MM.
2. AFTER FABRICATION BOTH FLATS TO BE HOT-DIP GALVANISED AS PER IS-2622.
3. FLAT TYPE 'C' IS TO BE PROVIDED ON ONE LEG OF EACH TOWER.
4. FLAT TYPE 'D' IS TO BE PROVIDED WITH PIPE TYPE EARDING ARRANGEMENT AND TO BE CONNECTED WITH FLAT 'C' FOR THE LOCATION WHERE TOWER FOOTING RESISTANCE IS MORE THAN 10 OHMS.
5. X IS TO BE COMPATIBLE WITH STUB



STANDARD DRAWING

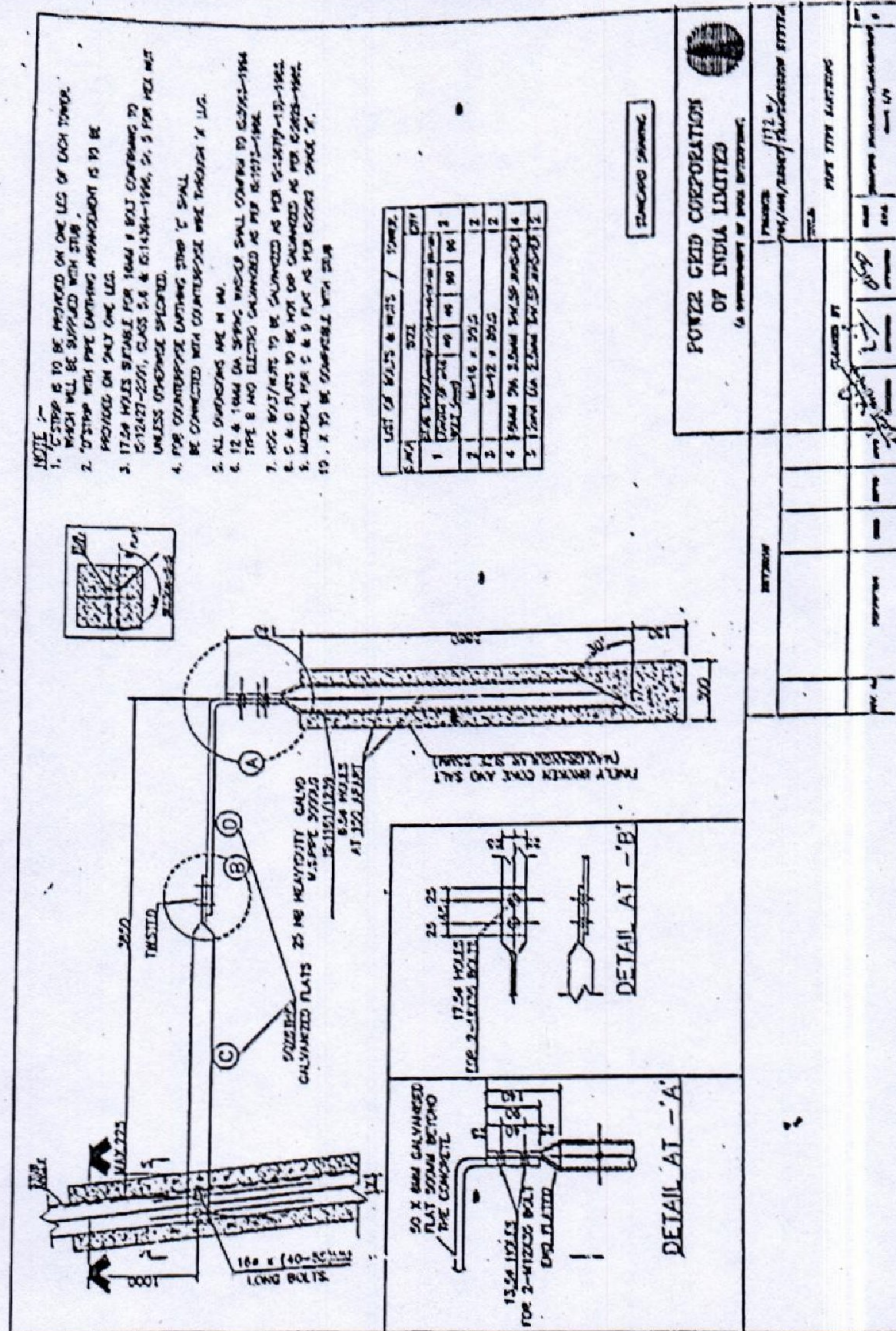
POWER GRID CORPORATION
OF INDIA LIMITED
(A COMPANY OF PUBLIC INTEREST)

PROJECT	NO. OF SHEETS	NO. OF PAGES	DATE
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DESIGN	REVISION	DATE	BY
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FLAT TYPE	FLAT TYPE	FLAT TYPE	FLAT TYPE
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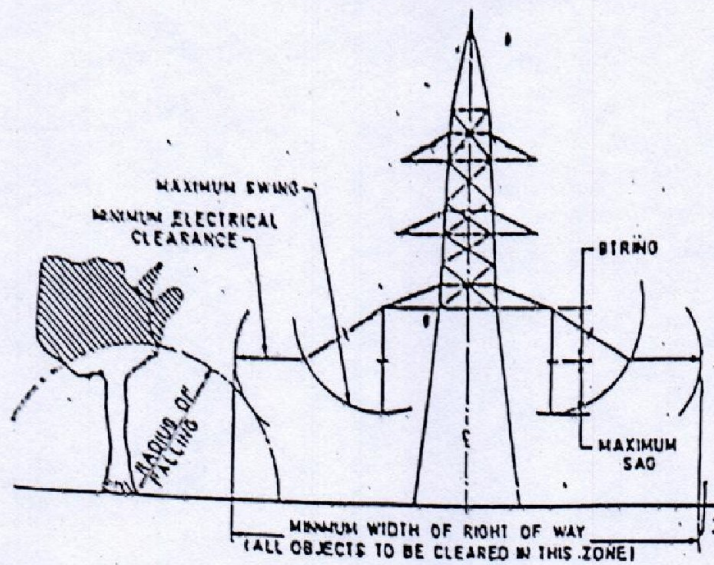
Superintending Engineer
Electy 765 & 400 KV Transmission Division
U.P.P.T.C.L., 10th Floor, Shakti Bhawan Bldg.
Lucknow

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NOTE — Portion of tree falling within clearance zone to be lopped or trimmed.

FIG. 1 LINE CLEARANCE (RIGHT-OF-WAY) REQUIREMENTS

Guidelines of forest/environmental rules shall be followed to avoid excessive tree cutting i.e. all the trees should be cut from ROUTE level in the 3 meter corridor below each line Conductor/Earthwire. In the balance corridor, Trees branches are only to be lopped to attain the specified clearance as per Table no 1.

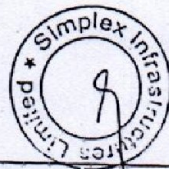
TABLE NO. 1

CLEARANCE FOR RIGHT OF WAY

TRANSMISSION VOLTAGE IN KV	MINIMUM RIGHT OF WAY (IN MTRS)
132	27
220	35
400	52 (S/C)
400	48 (D/C)
765	64 (S/C)

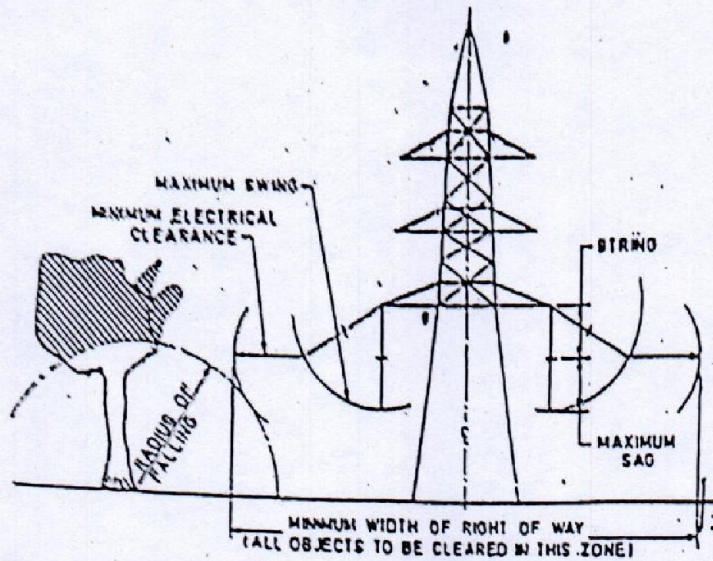
4.1.2. Electrical Clearance

In case of line crossings, clearance between lowest conductor of line and top conductor of the other line shall be adequate as follows:



[Signature]

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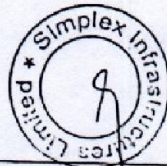
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