



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

पता : प.का.इ. (झाँसी) कार्यालय मकान संख्या-एन 43/1 ए, राजकीय महिला पॉलीटेक्निक के सामने, ग्वालियर रोड, झाँसी 284003 (उ.प्र.)

Address : PIU Jhansi Office : House No. N 43/1 A, Infront of Govt. Mahila Polytechnic, Gwalior Road, Jhansi-284003 (U.P.)

Telephone : 0510-2450967  
Fax : 0510-2450967  
E-mail : jha@nhai.org  
piujhansi@gmail.com  
Website : http://www.nhai.org

NHAI/12013/1/PIU-Jhansi/Overhead. Ch.35.100-35.120 /2023/1349 Dated 24 March, 2023

### Invitation of Public Comments

**Sub: Permission for overhead crossing on NH-44 by 132KV S/C Fourth Partner Solar Plant (70 MW)-Babina (220) between chainage No. 35.100 and 35.120 at loc No. AP-09 & AP-10 near Village-Mankuwan, District- Jhansi.**

The Authorized Signatory M/s. Electricity Transmission Division, U.P. Power Transmission Corporation Ltd has submitted the proposal for granting permission of overhead crossing by 132KV S/C Fourth Partner Solar Plant (70 MW)-Babina (220) between chainage No. 35.100 and 35.120 at loc No. AP-09 & AP-10 near Village-Mankuwan, District- Jhansi.

2. 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 convenience, safety and general public interest).

3. 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 Project Director  
National Highway Authority of India  
Project Implementation Unit  
House No. N 43/1 A, Infront of Govt. Mahila Polytechnic,  
Gwalior Road, Jhansi - 284003 ( U.P. )

This is issued with the direction of NHAI, RO, (West)-UP, Lucknow.

Encl : As Above.

  
( Sunil Kumar Jain )  
Project Director

#### 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 Authorized Signatory, M/s. Electricity Transmission Division, U.P. Power Corporation Ltd, 132 KV S/S Hasari, Jhansi -284135 for information.
4. The Regional Officer, NHAI, Regional Office, (West)-UP, Lucknow for information.

क्षेत्रीय कार्यालय : पश्चिम (उ.प्र.) सी.पी.-12, विराज खण्ड, (निकट सिंगापुर मॉल) गोमती नगर, लखनऊ-226010 (उ.प्र.)

Regional Office : West (U.P.) CP-12, Viraj Khand, Gomti Nagar (Near Singapore Mall) Lucknow-226010 (U.P.) दूरभाष/Phone : 0522-4960291

मुख्यालय : जी - 5 & 6, सेक्टर-10, द्वारका, नई दिल्ली - 110075

Head Office : Plot No. : G - 5 & 6, Sector - 10, Dwarka, New Delhi - 110075

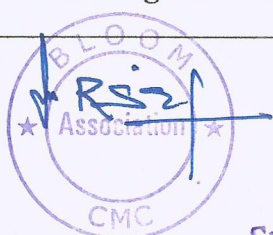
दूरभाष/Phone : 91-11-25074100/200

फैक्स/Fax : 91-11-25093507/514

## CHECK-LIST

**FOR NH -44 ROAD CROSSING BY 132 KV S/C Transmission line from Fourth Partner Solar Plant To UPPTCL 220 KV S/S at Babina in Jhansi**

S.NO.	DESCRIPTION	DETAILS
1.	National Highway Number	NH-44
2.	Name of Crossing	Jhansi- Lalitpur
3.	SYSTEM OF SUPPLY (i.e VOLTAGE) FREQUENCY NO.OF PHASES,WHETHER NEUTRAL IS EARTHED OR NOT	132 KV S/C 3 phase 50 cycles A.C. AND 1 EARTHWIRE/ 24 Fiber OPGW
4.	Position of towers	BETWEEN LOC. NO.17(DC+10) &18 (DC+10)
5.	NORMAL SPAN AT LAPWING CONDUCTOR	380 M.
6.	MAX.SAG AT NORMAL SPAN	10.475 M.
7.	CROSSING SPAN	246 M.
8.	Preceding span	348 M.
9.	Succeeding span	368 M.
10.	Height of structure above ground and below ground separately and details of foundation	A) Location No.17 (DC+10) height above GL 42.025 M depth below GL 3.00M. B) Location No.18 (DC+10) height above GL 42.025 M depth below GL 3.00M
11.	SAG OF 3*3 Panther CONDUCTOR SIZE 30/3.00 + 7/3.00MM	$8.843 * (202)^2 / (380)^2 + 0.30(\text{sag error}) = 2.284$
12.	CLEARANCE OVER ROAD	17.65 M.
13.	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level	17.65M.



**Sub Division Officer**  
Electricity Transmission Sub Division-I  
U.P. Power Transmission Corp. Ltd.  
JHANSI

**Executive Engineer**  
Electricity Transmission Division  
U.P. Power Transmission Corp. Ltd.  
JHANSI



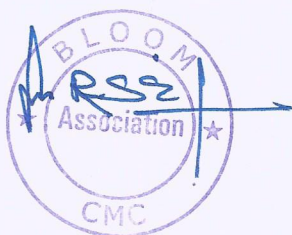
14.	Height of road level above ground level measured at the foot of the structure.	Location No. 17 DC+10 =2.5.M. Location No. 18 DC+10 = 2.5M
15.	Angle of road crossing	90° 00' 00"
16.	Distance from NH Boundary From center of tower	Loc. No. 17 (DC+10) =105M. Loc. No. .18(DC+10) = 101M
17.	Perpendicular distance from center of tower to center of road	Loc. No. 17 (DC+10) =125 M. Loc. No. .18 (DC+10) = 121M
18.	Protection of assembly to the line	Anti Climbing devices provided
19.	No. of stay required	NO.
20.	Minimum Factor of Safety	2.
21.	Size of power conductor mm.	ACSR Panther (Conductor dia.21.00 MM
22.	Size of Earth Wire/OPGW	Steel 7/3.15 (Overall Diameter - 9.45 mm)/ 24 Fiber Optic Cable
23.	FOUNDATION TYPE	PS
24.	PLAN PAPER DIAGRAM	PROFILE(ENCLOSED)
25.	EARTHING	PIPE TYPE EARTHED



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Executive Engineer  
Electricity Transmission Division  
U.P. Power Transmission Corp. Ltd.  
JHANSI

Sub Division Officer  
Electricity Transmission Sub Division-I  
U.P. Power Transmission Corp. Ltd.  
JHANSI



## Check List

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

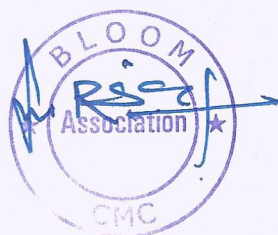
**Ministry Circular No. RW/NH/33044/29/2015/S&R (R) dated: - 22/11/2016**

### General Information

- |  |   |
|--|---|
| 1. Name and Address of the Applicant/Agency  | : Executive Engineer<br>UPPTCL 132 KV Sub Station<br>ETD JHansi |
| 2. National Highway No   | : NH-44   |
| 3. State.  | : UTTAR PRADESH   |
| 4. Location  | : Near Village- Mankuwan- District-<br>Jhansi                   |
| 5. Chainage in km  | : 35.100 & 35.120   |
| 6. Length in m   | : Crossing only -246 M  |
| 7. Width of available ROW in both side   | : 246 M (121 M RHS+125M LHS)                                    |
| 8. Side of NH<br>(left or right side of NH towards increasing chainage/Km direction) | : Crossing only   |
| 9. Name of Highway Authority of NHAI/PWD/BRO   | : NHAI  |
| 10. Highway Administration address   | : Project Director , NHAI CMU<br>Jhansi                         |



Executive Engineer  
Electricity Transmission Division  
U.P. Power Transmission Corp. Ltd.  
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Sub Division Officer  
Electricity Transmission sub Division-1  
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