



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government 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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ई-मेल / E-mail : rowestup@nhai.org, rowestup@gmail.com



19001/1/RO-W-UP/NH-27/Km.1524.360/OH/1341

Dated: 18.05.2022

### Invitation of Public Comments

**Sub: Permission for overhead crossing of 132 kV Bhadrekhi Orai (400 M/s BSUL Kalpi Solar project line @ 400 kV Sub-Station Bhadrekhi Orai between Ch.1524+360 on NH-27 near villagr-Aata, Distt- Jalaun - reg.**

The Authorized Signatory M/s EE, UPPTCL, Orai, Jalaun has submitted the proposal for permission for overhead crossing of 132 kV Bhadrekhi Orai (400 M/s BSUL Kalpi Solar project line @ 400 kV Sub-Station Bhadrekhi Orai between Ch.1524+360 on NH-27 near villagr-Aata, Distt- Jalaun.

2. From the submitted proposal, it is seen that the position of Tower is outside of NH ROW. Length of crossing span is 250m & Towers are at a distance of 86m & 104m from either side of NH boundry while height of towers is 42.250m & 47.250m. Vertical Clearance between road level & the lowest conductor is 21.90m. Width of available ROW is 60m.


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 Chief 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.

  
(Roopak Jain)  
Manager(T)  
For RO-West, UP

### 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 EE, UPPTCL, Orai, U.P. for information.
4. The PD, PIU-Kanpur for information.

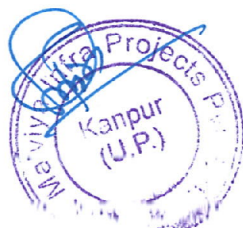
**U.P. POWER TRANSMISSION CORPORATION LIMITED**

**Name of Transmission Line :** 132 KV S/C BHADREKHI, ORAI (400) - M/S BSUL KALPI SOLAR PROJECT ON DC TOWER

1.	<b>Between Chainage No. 1524+360 near ata. tower AP No.10/0 to AP No. 11/0</b>	
2.	Situation of the EHV transmission line crossing on National Highway.	On (KANPUR-JHANSI )National Highway (NH - 27)
3.	Angle of crossing of the transmission line with the National Highway at crossing point	85°
4.	The length of the span at the crossing and also those on either side of the crossing	A) Crossing span 250 Mtr. B) Preceeding span 272 Mtr. C) Succeeding span 241 Mtr.
5.	In the event of the transmission line deviating at any of the supports of the crossing necessitating one of the structure to be a corner structures, state angle of such deviation. The deviation of the span on either side of crossing shall be illustrated in the sketch mentioned in the clausd 3 above.	Angle Tower Location No. AP10DC+10 $\angle 30^{\circ}56'24''$ RT  AP11 DC+15 $\angle 03^{\circ}31'12''$ RT
6.	The number, size and the material of the conductors and wires crossing the NH each wire under phase, neutral each, guard, bearer and ground cross wire should be separately described and their disposition indicated by means of sketch.	ACSR PANTHER Wt. OF 0.974 Kg/Mtr, OVERALL DIAMETER 21.00 MM, UTS 9140.67 Kg
7.	Indicate whether the proposed guard is to be restricted to the crossing span or it is to be continued over the adjacent span.	No guard wire is provided.
8.	The deviation of the span on either side on the crossing shall be illustrated in the sketch mentioned in the clause 2 above.	Enclosed in sketch.
9.	System of supply (I.e. Voltage) frequency, No. of phases, whether neutral is earthed or not.	132 KV, 3 Phase Double Circuit with 1 OPGW wire.
10.	Height of structure above ground and below ground separately and details of foundation.	A) Angle Tower Location No. AP10(DC+10) height above GL 42.250 M depth below GL 3 M. B) Angle Tower Location No. AP05(DC+15) height above GL 47.250 M depth below GL 3M. C) Drawing enclosed for details of foundation.
11.	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level.	Angle Tower Location No. AP10 DC+10= 26.800 M. Angle Tower Location No. AP11DC+15=31.8005M.
12.	Height of road level above ground level measured at the foot of the structure.	Angle Tower Location No. AP04 DC+10= 2.90M. Angle Tower Location No. AP05 DC+10=2.98M.

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**R.S.Infaraprojects Pvt.Ltd.**  
**B-133, Sector 10, Noida(U.P.)**



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*File*

Project Director  
 National Highways Authority of India  
 P.I.U., Kanpur

Executive Engineer  
 Electricity Transmission division  
 U.P. Power Trans. Corp LTD  
 ORAI



13.	Clearance under maximum sag condition between road level and the lowest live conductors & between road level and lowest guard wire (State if "box" type guarding is provided in case of adoptions of un-earthed neutral system).	At Road =21.90M
14.	Ultimate tensile stress of the steel wire used for guard for earth wire in tones per Sq. Cms.	Not applicable
15.	Approximate distance of each of the structures to the nearest NH measured along the alignment of the transmission line	Angle Tower Location No. AP10 DC+10=116 M. Angle Tower Location No. AP11 DC+15=134M
16.	Are the proposed structure is in NH boundary.	Outside NH boundary.
17.	Are approved anticlimbing devices and warning notices provided on the structures erected.	Anticlimbing devices & Warning boards are provided on both the Towers.
18.	Dimensions and types of brackets used for the cross arms as well as for the guards wires.	Please see the enclosed drawing, Not applicable for Transmission Line
19.	In each structure of the crossing span independently earthed by means of an earth plate.	Yes, each structure is shown in the drawing.
20.	In each structure supported by means of stage in three directions give the size of guy wire, (the	No, guys or stays are provided structures are self supporting.
21.	If no guard is provided, in the transmission line protected by device to ensure instantaneous isolation in conduction ?	Yes, the transmission line is protected instantaneously by high speed protection relays with carrier equipment.
22.	State the method of maintenance to be employed to ensure the following protections.	
a)	From overhanging or decaying trees which might fall on the line.	a) Tree clearance to a width of 27M is done.
b)	To reduce the hazard to life and property.	b) Warning boards are provided.
c)	Supporting structure including guys, from the danger of being struck by moving road vehicle.	c) Structures are at safe distance from road.
23.	Drawing showing details of crossing disturbance of road, ground or attachment that may be necessary (to be supplied in quadruplicate).	Enclosed.

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**R.S.Infraprojects Pvt.Ltd.**  
**B-133, Sector-2 Noida(U.P.)**

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