



# 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)

दूरभाष / Phone : 0522-4960291, टेलीफैक्स / Fax : 0522-4950680

ई-मेल / E-mail : rowestup@nhai.org, rowestup@gmail.com



19001/1/RO-W-UP/NH-27/Ch.53-54/Overhead/2644

Dated: 16/02/2024

### INVITATION OF PUBLIC COMMENTS

**Sub: Proposal for overhead crossing of 765 KV S/C (Squad) Mainpuri-Unnao Transmission Line at Ch. 53 and Ch. 54 of Lucknow-Kanpur Section of NH-27 (Old NH-25) in the state of Uttar Pradesh.**

General Manager (Transmission), SEUPPTCL, Lucknow has submitted the proposal for permission / NOC to overhead crossing for 765 KV S/C (Squad) Mainpuri-Unnao Transmission Line at Ch. 53 and Ch. 54 of Lucknow-Kanpur Section of NH-27 (Old NH-25) in the state of Uttar Pradesh.

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 inconvenience, safety and general public interest).

3. In view of 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 Regional Officer,  
National Highways Authority of India,  
Regional Office, UP-West, Lucknow  
3/248, Vishal Khand Gomti Nagar Lucknow-226010

This issues with the approval of RO-UP (West), Lucknow.

Encl: As above.

*Shubham*  
(Shubham Gupta)  
Dy. Manager (Tech)

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. General Manager (Transmission), SEUPPTCL, Lucknow for information.
4. PD, PIU- Lucknow- for information.



## CHECKLIST


Proposal of overhead electrical line crossing over national highways vested with NHAI.

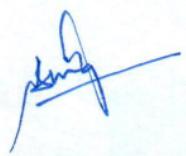
### Circular /Codes:-


1. Ministry Circular No. NH-III/P/20/77 dated 08-04-1982
2. Indian Electricity Act 2003 (including its amendments)
3. Indian Electricity Rules 1956 (including its amendments)
4. IRC : 32-1969
5. IS : 5613 - 1976 Part I to IV
6. MoRT&H Circular

For getting approval for laying of overhead electrical line across the National Highways  
NH-25, vested with NHAI

Sl.No.	Item Description	Status
1.0	General Information	
1.1	Name of line and applicant	765kV S/C (Quad) Mainpuri - Unnao Line, South East U.P. Power Trans. Co. Ltd.
1.2	National Highway	NH-25
1.3	State	Uttar Pradesh
1.4	Location	Near Village - Katra Murtazanagar, Dahi Chowki
1.5	Type of electric including carrying voltage details and purpose	765kV S/C (Quad) Mainpuri - Unnao
1.6	Chainage in KM	Crossing between KM 53 & 54
1.7	Length in meter	199.107
1.8	Width of available RoW	64
(a)	Left side from center line towards increasing chainage / KM direction	32
(b)	Right side from center line towards increasing chainage / KM direction	32
1.9	Proposal to lay overhead	
(a)	Left side from center line towards increasing chainage / KM direction	17.75m
(b)	Right side from center line towards increasing chainage / KM direction	17.75m

  
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35.50m  
  
Project Director  
National Highways Authority of India  
PIU - Lucknow (U.P.)



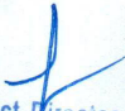
(c)	Erection of Electrical line across NH-25	Yes
1.10	Proposal to acquire land	N/A
(a)	Left side from center line	N/A
(b)	Right side from center lines	N/A
1.11	<b>Whether the proposal is</b>	
(a)	In the same side where land is not to be acquired	N/A
(b)	Crossing the National Highway	Yes
(c)	If not then where to lay the overhead electric line	
1.12	Details of already laid services (overhead telecommunication line, overhead electric line etc), if any, along the proposed route / proposed crossing	No overhead telecommunication and electric line along the proposed transmission line route
1.13	No. of lanes (2/4/6/8) Existing	04
1.14	Proposed number of lanes (2 lanes with paved shoulder 4/6/8 lanes)	N/A
1.15	Service road existing or not, If yes then which side	
(a)	Left side from center line	No service road
(b)	Right side from center line	No service road
1.16	Proposed service road	
(a)	Left side from center line	-
(b)	Right side from center line	-
1.17	Whether proposal to lay overhead electric line is after the service road or between the service road and main carriage way or crossing for approval / rejection based on the Ministry circulars and relevant codes mentioned as above	NA
1.18	If crossing of the roads involved	Yes
(a)	Crossing angle for NH and provide length across the Highway.	70°
(b)	Structure (Tower, pole and HT line only tension towers) for crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15m.	Both side Steel Tower structure (Tension towers) provided.
(i)	Type of existing / proposed structure for National Highways	SQD+0 and SQD+3
(ii)	What is the distance of tower, pole and tension tower lying from the existing / proposed structure from National Highways?	69.2m & 129.90 from the center of NH
(c)	The overhead lines and their supporting poles / towers should ordinarily be placed at the extreme edge of the road land boundary. In any case, these shall be at least 10m away from the edge of the existing shoulders of the	N/A

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	<p>extreme traffic lane. Where the existing road way is narrower than the minimum according to standard or where the widening is proposed for any reason the lateral clearance shall be reckoned with respect to ultimate road way.</p> <p>What is the horizontal clearance from the extreme edge of the road land boundary?</p>	
(d)	<p>The overhead lines and their supporting poles / towers should originally be placed at the minimum distance of 0.5m from the nearest line of avenue trees.</p> <p>What is the horizontal clearance from the nearest line of avenue trees?</p>	N/A
(e)	<p>In mountainous / hilly terrain the overhead lines should be erected preferably on the valley side as far away as practicable. In hilly region, label of ground at a suitable distance below the outer conductor on either side from the central line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearance in swung condition. Is the proposal in hilly area?</p>	N/A / NO
(f)	<p>The horizontal clearances in respect of poles erected for the purpose of street lighting in Urban situations shall be as under :-</p>	N/A
(i)	<p>For roads with Minimum 300mm from the raised kerbs 300mm from the edge of nearest kerb preferably 600mm.</p>	N/A
(ii)	<p>For roads with Minimum 1.5m from the carriage way, raised kerb subject to minimum 5.0m from the central line of the carriageway.</p>	N/A
(g)	<p>The pylons of HT lines along crossing the road shall be located outside the NH land.</p>	N/A
(h)	<p>For crossing the line of same voltage or lower voltage, suspension / tension tower with suitable extensions shall be used.</p>	N/A
(i)	<p>The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement etc. The actual ground clearance of high tension line for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian Standard codes is 5613-1976 part I to IV and Indian Electricity Rules 1956 as under.</p>	<p>It is more than the clearance stipulated in Indian Electricity Rules 1956</p> <p> Project Director National Highways Authority of India PIU-Lucknow (U. P.)</p>

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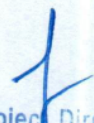
2.0	<b>Affidavit / Undertaking to be obtained from (to be furnished by the applicant).</b>	
2.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes
2.2	Undertaking for renewal of Bank Guarantee if required.	N/A
2.3	Confirming all standard conditions as laid down in Ministry circular no. NH-III/P/20/77 dated 08.04.1982, Indian Electricity Act 1910, Indian Electricity Rules 1956, IRC :32-1969, IS : 5613 - 1976 Part I to IV.	Yes
2.4	Shifting of overhead electrical lines at their own cost and when required by NHAI.	Yes
2.5	Shifting of overhead electrical lines at their own cost as and when required due to 4/6 laning / widening of NH.	Yes
2.6	Indemnity against all damages and claims whatsoever kind that may be to NHAI or to any third party in the RoW during installation, operation and maintenance.	Yes
2.7	Traffic movement during laying of OFC / Cable to be managed by the applicant.	Yes
2.8	If any claim is raised by the concessionaire then same has to be paid by the applicant.	As per NHAI guidelines
2.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repair or alterations to the overhead electrical line located in the NH right of way.	Yes
2.10	Expenditure, if any, incurred by electric department for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the overhead electrical line located in the National Highway right of way.	Yes
2.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the electric department owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes
2.12	Certificate from the applicant in the following format :-	
(i)	Laying of overhead electrical will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes
(ii)	For 4/6 laning "we do undertake that I will relocate service road / approach road, utilities at my own cost, notwithstanding the permission granted within such time	Yes


  
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	as will be stipulated by NHAI" for future 6 laning or any other development.	
2.13	The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons competent to undertake such work.	Yes
2.14	The applicant ensures the safety of the Highway traffic against the hazards of the high voltage lines during installation, operation and maintenance.	Yes
2.15	Undertaking the compliance with Indian Electricity rules and other authorities, regulation all over head lines shall comply with the requirement of the Indian Electricity Act an rules made their under and the regulations or specifications as laid down by NHAI.	Yes
<b>3.0</b>	<b>Other documents and drawings to be furnished by the applicant.</b>	
3.1	Methodology for laying of overhead electric line.	Yes
3.2	Draft license agreement.	Yes
3.3	Performance bank guarantee in favor of NHAI has to be obtained at the Rs.100/- per running meter (Parallel to NHAI) and 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completions of work) as a security for insuring / making good the area. Clearing debris / loose earth etc produced in the right of way. No payment shall be payable by the NHAI to the license for clearing debris / loose earth.	Shall be submitted
3.4	Strip plan / route plan showing overhead electrical line, chainage with of RoW, distance of proposed structure (tower, pole and for HT line only tension towers) from the edge of RoW, important milestone, intersections, cross drainage works any other structure existing of proposed etc.	Yes
4.0	Certificate from the Project Director	
4.1	Certificate for confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of the standard conditions issued vide ministry circular no. NH-III/P/20/77 dated 08.04.1982, Indian Electricity Act 1910, Indian Electricity Rules 1956, irc : 32 - 1969, IS : 5613 - 1976 Part I TO IV of NHAI and NHAI Guidelines.	 Project Director National Highways Authority of India PIU - Lucknow (U. P.)
4.2	Certificate from PD in the following format :-	

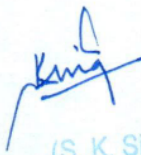
  
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(i)	"It is certified that any other location of the electric line would be extremely difficult and unreasonable costly and the installation of electric line within RoW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriage way easing of kerb etc.	
(ii)	For 6 laning :-	
(a)	Where feasibility is available "I do certify that there will no hindrance to propose 6 laning based on the feasibility report considering proposed structures at the said location"	
(b)	In case feasibility report is not available "I do certify that sufficient RoW available at site for accommodating of 6 laning"	
5.0	If NHAI section proposed to be taken up by NHAI on BOT basis a clause is to be inserted in the agreement "The permitted highway on which license has been granted as a right of way to the concessionaire under the concession agreement for upgradation of KM 53 to KM 54 on BOT basis and therefore the licensee shall honor same.	
6.0	Who will supervise the work of laying of overhead electric line.	SEUPPTCL
7.0	Who will sign the agreement on behalf of overhead electrical line agency.	GM - Transmission
8.0	Who will ensure that the defect in road portion after laying of overhead electrical are corrected and if not corrected that what action will be taken.	SEUPPTCL
9.0	Who will pay the claims for damages done / disruption in working of concessionaire, if asked by the NHAI	SEUPPTCL
10.	A certificate from PD that he will enter the proposed permission in register of record of the permission in the prescribed performa.	NHAI
11.	If any previous approval for laying of overhead electrical line then photocopy of register of records of permission accorded s maintained by PD may be enclosed.	No

  
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