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)

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19001/1/RO-W-UP/NH-709AD/51.980-52.030/400KV/670. Dated: 18.03.2021

Invitation of Public Comments

Sub: Proposal for Overhead Transmission Line Crossing of 400KV D/C Shamli-Aligarh Transmission Line between km. 51.980 to km. 52.030 of NH-709AD.

The Executive Engineer, Electricity Transmission Division, UPPTCL, Shamli has submitted the proposal for the permission of Overhead Transmission Line Crossing of 400KV D/C Shamli-Aligarh Transmission Line between km. 51.980 to km. 52.030 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 75m & 108m respectively from either side of NH boundary. Crossing span of the structure is 243m. Further, the minimum vertical clearance of 24.8m 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 90^0 angle.

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.

Singh 18/03/21
(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.

CHECK LIST

Project Director for processing the Proposal of lane over head electrical line crossing national highways vested with NHAI.

Circular / Codes:-

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
For getting approval for laying of overhead electrical line along the National Highways NH-709AD (Old No.SH-12), vested with NHAI.

S.NO	Item	Information/ status	Remarks
1	General Information	400 KV D/C (TWIN) Shamli-Aligarh Transmission Line	
1.1	Name and address of the applicant	Executive Engineer, Electricity Transmission Division, U.P.Power Transmission Corp. Ltd, 220 KV Sub Station, Industrial Area, Kairana Road Shamli.	
1.2	National Highway No	NH -709AD (Old SH-12)	
1.3	State	Uttar Pradesh	
1.4	Location	Near Village, Bantikhera & Lalukheri Dist- Shamli.	
1.5	Type of electric including carrying voltage details and purpose	400 KV D/C (TWIN) Shamli-Aligarh Transmission Line.	
1.6	Chain -age in Kilometers	**51980 – 52030 KM, Exact Location – 51992 KM.**	
1.7	Length in Metre	243 m.	
1.8	Width of available ROW	52 Mtr.	
	(a). Left side from Center Line towards increasing chainage / KM Direction	26 Mtr.	
	(b) Right side from Center Line towards increasing chainage / KM Direction	26 Mtr.	
1.9	Proposal to lay Overhead		
	(a) Left side from Center Line towards increasing chainage / KM Direction (b) Right side from Center Line towards increasing chainage / KM Direction (c) Erection of Electrical line along the NH 709AD (Old SH-12)	AP 306/0 at a distance of 105.00 Mtr. from centre of Road. AP 305/0 at a distance of 138.00 Mtr. from centre of Road.	
1.10	Proposal to acquire land	NA	
	(a)Left side from Center Line	NA	
	(b)Right side from Center Line		
1.11	Whether the proposal is a- in the same side where land is not to be acquired b- Crossing the National Highway If not then where to lay the overhead electrical line	Yes. Crossing the National Highway. Towers shall be constructed outside NHAI Land Boundary.	

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1.12	Details of Already laid services (overhead telecommunication line, overhead electric line etc), if any, along the proposed route / proposed crossing	.	
1.13	NO of lanes (2/4/6/8 lanes) existing	02 lane.	
1.14	Proposed number of lanes (2 lanes with paved shoulder 4/6/8 lanes)	N/A	
1.15	Service Road existing or not	No Service Road.	
	If yes then which side		
	a) Left side from center line	N/A	
	b) Right side from center line	N/A	
1.16	Proposed Service Road	N/A	
	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 .	Overhead Electric Transmission Line crossing the NH- 709AD (Old SH-12)	
1.19	I- If crossings of the roads involved **(a)** Crossing angle for NH and provide length along the Highway **(b)** Structure (Tower, pole and for HT Line only tension towers) for crossings shall not be too near the existing structures on the National Highway, The minimum distance being 15 meter. (i)- Type of Existing / proposed structure for National Highways (ii)- What is the distance of tower, pole and tension tower lying from the existing / proposed structure for National Highways.	Yes (a) 90°0'00",243.00 Meters (b) Distance more than 55.15 Mtr & 55.15 Mtr. from centre of Road. (i) HT Tower 55.15 M. (ii) 138.00 Mtr & 105.00 Mtr. from centre of the NH.	
	(c)- The overhead lines and their supporting poles / towers should ordinarily be placed at the extreme age of the road land boundary. In any case, these shall be at least 10 meter away for the age of the existing shoulders of 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. What is the horizontal clearance from the extreme edge of the road land boundary? .	N/A. Towers shall be constructed at a distance of 105.00 Mtr. (RS) & 75.00 Mtr. (LS) chainage direction from boundary of Road towards increasing Chainage direction.	
	(d)The overhead lines and their supporting poles/ towers should originally be placed at the minimum distance of 5.0 m from the nearest line of avenue trees. What is the horizontal clearance from the nearest line of avenue trees?	N/A. Towers shall be constructed at a distance of 105.00 Mtr. (RS) & 75.00 Mtr. (LS) towards increasing chainage direction from boundary of Road.	
	(e)- in mountainous / hilly terrain the over head lines should be erected preferably on the valley side as far away as practicable .In hilly reason, 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 clearances in swung conditions. Is the proposal in hilly area?	No	
	The horizontal clearances in respect of poles erected for the purpose of street lighting in Urban situations shall be as under:-		
	i-For roads with Minimum 300mm from the	N/A	

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	Raised kerbs 300mm from the aged of nearest kerb Preferably 600mm		
	ii- For roads with raised kerbs At least 1.5m from the edge of the carriage way , subject to minimum of 5.0 from the central line of the carriage way .	N/A	
	(g) the Pylons of HT lines along crossing the road shall be located outside the NH land	N/A	
	(h) for crossing the line of same voltage or lower voltage , suspension/ tension tower with suitable extensions shall be used .	YES. Tension Towers with suitable extension shall be used.	
	(i) 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 voltes varies depending upon the voltage transmitted and these are stipulated in Indian standard. Codes is 56130-1976 part 1 to IV and Indian Electricity Rules 1956 as under.	**24.80 Mtr**. Clearance shall be taken jointly with NHAI after completion.	
2	**Affidavit / Under taking to be obtained from (to be furnished by the applicant).**	Yes	
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	Under Taking for Renewal of Bank Guarantee if required.	Yes	
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 of (NHAI)	Yes	
2.4	Shifting of overhead Electrical line at their own cost as an when required by (NHAI)	Done by UPPTCL electrical Department by own cost	
2.5	Shifting of overhead Electrical line at their own cost as an when required due to 4/ 6 lanning/ widening of NH	Done by UPPTCL electrical Department by own cost	
2.6	Indemnity against all damage and claims whatsoever kind that may be to NHAI or to any third party in the row during installation, operation and maintenance	Done by UPPTCL electrical Department by own cost	
2.7	Traffic movement during laying of OFC/Cable to be managed by the applicant	Done by UPPTCL electrical Department by own cost	
2.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Done by UPPTCL electrical Department by own cost	
2.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs , or alterations to the overhead electrical line located in the National Highway 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	Yes.	

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	overhead electrical line located in the National Highway right of the way		
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. (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 as will be stipulated by NHAI"** for future 6 laning or any other development .	Yes	
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, regulations- all over head lines shall comply with the requirement of the Indian electricity act and rules made their under and the regulations or specification as laid down by NHAI .	Yes	
	Other documents and drawing to be furnished by the applicant	Yes	
3.1	Methodology for laying of overhead electric line.	Yes	
3.2	Draft license agreement	Yes	
3.3	Performance bank guarantee in favour of NHAI has to be obtain at the Rs 100/- per running meter (Parallel to NH) and Rs 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.	N/A	
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	**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's guideline.	Yes	
4.2	Certificate from PD In the following format:- (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**	N/A	

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	& 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 is available at site for accommodating of six - laning"**		
5	If NH 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 licensee has been granted the right to lay overhead electrical line has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of. (Shamli - Muzaffarnagar section from KM 51980 to Km 52030 NH No- 709AD, on build operate and transfer basis) and therefore the licensee shall honour the same."	To be Provided NHAI.	
6	Who will supervise the work of laying of overhead electrical line.	UPPTCL will supervise the work of laying of overhead electrical line.	
7	Who will the sign the agreement on behalf of overhead electrical line agency	Executive Engineer, Electricity Transmission Division, U.P.Power Transmission Corp. Ltd, 220 KV Sub Station, Industrial Area, Kairana Road Shamli.	
8	Who will ensure that the defect in road portion after laying of over head electrical are corrected and if not corrected that what action will be taken.	Executive Engineer, Electricity Transmission Division, U.P.Power Transmission Corp. Ltd, 220 KV Sub Station, Industrial Area, Kairana Road Shamli.	
9	Who will pay the claims for damages done / disruption in working of concessionaire, if asked by the concessionaire.	UPPTCL Executive Engineer, Electricity Transmission Division, U.P.Power Transmission Corp. Ltd, 220 KV Sub Station, Industrial Area, Kairana Road Shamli.	
10	A certificate from PD that he will enter the proposed permission in register of record of the permission in the prescribed performa (copy enclosed)	Not Applicable	

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11	If any previous approval for laying of overhead electrical line then photocopy of register of records of permission accorded as maintained by PD may be enclosed.	Not Applicable	

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