



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
(Ministry of Road Transport & Highways, Government of India)

परियोजना क्रियान्वयन इकाई - बागपत
Project Implementation Unit, Baghpat

फ्रेंड्स कॉलोनी, निकट पी.डब्ल्यू.डी. गेस्ट हाउस, बरौत रोड, जिला-बागपत - 250609
Friends Colony, Near PWD Guest House, Baraut Road, District Baghpat - 250609

टेलीफोन: 0121-2222971, ई-मेल: plu.baghpat@gmail.com, plubaghpat@nhai.org Web.: www.nhai.gov.in



NHAI/PIU-BPT/1041/709AD (Ch. 49+700)/2024/D- 13237

Date: 23.04.2024

Invitation of Public Comments

Sub: Proposal for Overhead Crossing of 132 KV S/C Shamli (400) - Budhana-2 Transmission line on DC Tower crossing NH-709AD (Shamli-Muzaffarnagar) between Ch. 49+700 & 49+800 - Reg.

The Executive Engineer, Electricity Transmission Division, UPPTCL, Muzaffarnagar has submitted the proposal for the permission of Overhead Crossing of 132 KV S/C Shamli (400) - Budhana-2 Transmission line on DC Tower crossing NH-709AD (Shamli-Muzaffarnagar) between Ch. 49+700 & 49+800.

2. From the submitted proposal, it is seen that Structures (Transmission Towers) on either side are being erected at distance of 105m (LHS) & 95m (RHS) from the center of the road. Crossing span of structure is 200m. Further, the minimum vertical clearance of 14.30m 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 88° 00' 00" 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 this office within 30 days from the date of publication, beyond which no comments shall be entertained.

The Project Director,
National Highways Authority of India
Project Implementation Unit - Baghpat
Friends Colony, Near PWD Guest house,
Baraut Road, District Baghpat - 250609

Encl: As above.

Project Director
NHAI, PIU Baghpat

Copy to:

1. The Regional Officer, RO Delhi for kind information.
2. Web Admin, NHAI HQ - with request to uploading on NHAI website.
3. The Technical Director, NIC, Transport Bhawan, New Delhi - with request for uploading on Ministry's website.
4. The Executive Engineer, Electricity Transmission Division, UPPTCL, Muzaffarnagar for information.

CHECK LIST

1. National Highway Number	NH 709AD (SHIAMLI-MUZAFFAR NAGAR)
2. Name of Crossing	: SHIAMLI – MUZAFFAR NAGAR
3. Crossing at chainage	: 49+794 KM
4. Position of towers	: Outside the ROW of N.H 709AD
5. Crossing Span	: 200 Mtr.
6. Clearance over the road level	: 14.30 Mtr.
7. Angle of road crossing	: 88°00'00"
8. Distance from Road center to center of tower	: Loc. No.- 3 (DD+12) = 105 Mtr. Loc. No. - 4 (DD+12) = 95 Mtr.
9. Protection of assembly to the line	: Anti climbing devices provided at 3 Mtr. Heights from Ground Level
10. No. of stay required	: Not required
11. Minimum Factor of Safety	: 2.0 (Normal condition)
12. Size of power conductor	: ACSR ZEBRA CONDUCTOR. DIA..28.62 MM Al.: 54/3.18mm., Steel: 7/3.18 mm.
13. Size of Earth Wire	: OPGW 24 FIBER



[Handwritten signature]
[Handwritten initials]
[Handwritten signature]

[Handwritten signature]
[Handwritten signature]
Project Director
National Highway
P.O. of India

CHECK LIST

Project Director for Processing The Proposal of Laying Over Head Electrical Line Crossing National Highway Vested with NHAI

Project No. NH 111/20/77 Dated- 08.04.1982

Act-1910

Act-1956

Part I to IV

laying of 132 KV S/C SHAMLI (400) - BUDHANA (2) LINE ON ACBR Zebra Over Head Crossing In MUZAFFAR NAGAR National Highway 709AD

SHAMLI -

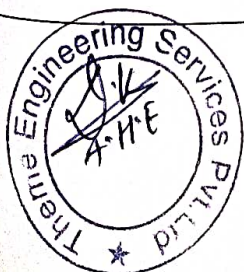
Item	Information/Status	Remarks
1. Name of the applicant with full Address	Executive Engineer, Uttar Pradesh Power Transmission Corporation Limited, 132KV Sub-Station, Dhopa Road Muzaffer Nagar (U.P.)- 251001	
2. Highway Number	NH - 709AD	
3. State	Uttar Pradesh	
4. Name of the Line	Near Village- DANTIKHEDA & KARONDA HATHI	
5. Chainage in km	132 KV S/C SHAMLI- (400) - BUDHANA (2) LINE.	
6. Span in metre (Span)	Chainage 49+700 & 49+800	
7. Width of available ROW	200 mtr.	
8. Left side from center line toward increasing chainage/km direction	27 mtr	
9. Right side from center line toward increasing chainage/km direction	13.500 mtr	
10. Parallel to Lay Over head	13.500 mtr	
11. Left side from center line towards increasing chainage/km direction		
12. Right side from center line towards increasing chainage/km direction	Loc. No. 3 at a distance of 105.00 mtr from center of road	
13. Crossing of NH number	Loc. No. 4 at a distance of 95.00 mtr from center of road	
14. Process to acquire land	NH - 709AD	
15. Left side from center line	N/A	
16. Right side from center line	N/A	
17. Whether proposal is		
18. on the same side where land is not to be acquired	NA, as the proposal is for crossing of NH.	
19. Crossing the National Highway		
20. If not then Where to lay the overhead electrical Line	Yes, crossing the National Highway. Towers shall be constructed outside NHAI land Boundary.	
21. Details of already laid services (Overhead telecommunication line over head Electrical line etc, if any along the proposed route Proposed crossing	N/A	
22. Roadway 14/6/8 lanes	4 Lane.	
23. Service road existing or not	EXISTING	
24. Yes then which side	Both SIDE	
25. Left side from center line	N/A	
26. Right side from center line	N/A	
27. Crossed Service road		
28. Left side from center line	N/A	
29. Right side from center line	N/A	
30. Whether proposal to lay overhead Electrical line is after the services road or between the service road and main carriage way or crossing the National Highway	Over Head Electrical Transmission Line Crossing the NH 709AD	
31. Permission Of Laying overhead Electrical line shall be considered for approval /rejection based on the ministry circulars relevant codes mentioned as above.		
32. Crossing of the road involved	Yes	
33. Lay out on line normal to NH And Provide length of crossing span	200 mtr.	



Handwritten signature and date: 08-11-82

Handwritten signature and text: Project Director, National Highway Authority of India, PIU Bhopal

NO.	Item	Information/Status	Remarks
	B) Structure (Tower tension tower , pole for HT line only) For crossing shall not be near to the existing structure of National Highway.	Distance more than 105 mtr & 95 mtr from centre of road	
	i) Type of Existing / Proposed structure for National Highway	HT of Tower 41.915 mtr in both side	
	ii) What is the distance of tower , pole and tension towers from the existing from the existing / proposed structure of National Highway.	Distance more than 105 mtr & 95 mtr from centre of road	
	c) The overhead lines and their support poles/ towers should ordinary be place at the extreme edge of the road land boundary .in any case ,these shall be at 10 meters away from the edge of the existing traffic lane .where the existing road way is the narrow than the minimum required according to standard or where the widening is proposed for any reason lateral clearance shall be reckoned with respect to ultimate road way .what is the horizontal clearance from the extreme edge of the road boundary .	N/A , Towers shall be constructed at a distance of 95 mtr(RS) & 105 mtr (LS) from centre of the road towards increasing chainage direction	
	d) The overhead lines and their supporting poles/towers should be ordinarily being placed at a minimum distance of 5.0m from the nearest line of the avenue trees	N/A , Towers shall be constructed at a distance of 95 mtr(RS) & 105 mtr (LS) from centre of the road towards increasing chainage direction	
	e) in mountainous/hilly terrain the overhead lines should be erected preferably on the valley side as far as away as practicable .In hilly region ,level of ground at suitable distance	Plain Terrain	
	below the outer conductor on either side from the center line is also to be noted and marked in the profile so as ensure required ground clearance underneath conductor and side clearance in swing conditions is the proposal in hilly area ? f)The horizontal clearance in respect of poles erected for the purpose of street lighting in urban situation shall be as under	N/A	
	i) for the road with raised kerbs- minimum 300 mm from the edge of nearest kerb 600mm being preferable	N/A	
	ii) for road without raised kerbs-at least 1.5 m from the edge of carriage way subject to minimum of 5.0 meter from the center line of the carriage way	N/A	
	g) The pylons of HT line along the crossing the road shall be located outside the National Highway land	Yes	
	h) For crossing the line of same voltage or tower voltage suspension/ tension tower with suitable extension shall be used	Yes , Tension Towers with Suitable extension shall be used.	
	i) The vertical clearance of the overhead lines crossing the road 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 lines for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian standard codes IS 5613-1976 (part IV and Indian Electricity Rules 1956 as under/	14.30 mtr. Ground Clearance shall be taken jointly with NHAI after completion.	
	for electric power line carrying low voltage up to and including 650 volts- 600 mm	N/A	
	for electric power line carrying voltage exceeding 650 volts- 6500 mm	N/A	
	220 kv - 7015 mm	N/A	
	400 kv - 8840 mm	YES	
	800 kv - 15000 mm	N/A	
	Note: These are minimum requirement where every local authority requirement is higher the same shall be provided. In case of HT line ,road crossing the ground clearance at the road under maximum temperature and in still air shall be such an even with conductor bundle broken in adjacent span the ground clearance of the conductors from the road surface shall not be less than 15.00	Ground clearance from road surface to bottom conductor in 14.30 mtr.	
	What is the voltage of proposed line and clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway/Future developed National Highway	132 KV	



Handwritten signatures and initials in the bottom left corner.

Handwritten signature in the bottom center.

Project Director
National Highway Authority of India
PIU-Baghat

NO.	Item	Information/Status	Remarks
2	Affidavit/under taking to be obtaining from (to the furnished by) the applicant	Yes.	
2.1	Not to Damageto other untily , if damaged then to pay the losses either to NHAI or the concern agency.	Yes.	
2.2	Undertaking for renewal of bank guarantee if required	Yes.	
2.3	Confirming all standerad conditaions as laid down in ministry circularno- nh irc-32 1969is -III/P/20 DT.08.04 1982	Yes.	
2.4	Shifting of over head Electrical line at their own cost as and when required by NHAI	Done by upptcl	
2.5	Shifting of over head Electrical line at their own cost if require due to 4 lanning widening of National Highway	Done by upptcl	
2.6	Indemnity against all damaged and claims what so ever kind that may be to NHAI or any third party in the ROW During installation , operation and maintenance	Done by upptcl	
2.7	Traffic Movement during laying of overhead electrical line to be managed by the applicant	Yes managed by upptcl	
2.8	if any claim is raised by the concessionaire then the same has to be the paid by the applicant	Yes paid by upptcl	
2.9	Prior approval of the NHAI shall be obtained before undertaking any work of installlation , shifting or repairs ,or alterations to the over head electrical line located in the National Highway Right ow way	Yes.	
2.10	expenditure ,if any, incurred by NHAI for reparing any damage caused to the National Highway by the laying ,Maintenance of the over head electrical line will be borne by the agency owing the line	Yes	
2.11	If NHAI consider it Necessary in future to move the utility line for any work of improvement or repairs to the road , it will be carried out of desired by NHAI At the cost of agency oning the utility line within a reasonable time (not exceeding 60 days) of the intimations givens.	Yes.	
2.12	Certificate from the applicant in the following format		
	1) Laying of overhead electrical line will not have any deleterious effect on any of the bridge components and roadway safety for traffic	Yes.	
	2) For 4 lanning we do undertake that i will relocate service road/ approach road/ utilities at my own cost not withstanding the permission granted within such time as will be stipulated but NHAI for futre six lanning or any other devolopment.	Yes.	
2.13	The transmission line installation shall be carried out by trained and experienced personal and supervised by technically qualified persons	Yes.	
2.14	The applicant ensures the safety of the highway traffic against the hazard of the high voltage liens during installation operation and maintenance.	Yes.	
2.15	undertake for compliance with indian electricity rules and other authorities regulation - all over head liens shall comply with the requirments of the indian electricity act and rules made there under and regulations or specification as laid down by railways or railway electrification authorities .post and telegraph deperment roadways or nagation or aviation autotise and power and telecommunication coordination committee wherever appiicable	Yes.	
2.16	Other document and drawing to be furnished by the applicant	Yes.	
2.17	Method of laying of overhead electrical line	Yes.	
2.18	Draft licence agreement	Yes.	
2.19	Performance Bank Guarantee in favour of NHAI has to be obtained @Rs 100 /- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the area ,clearing the debris / making good the area , clearing the debris/ loose earth etc produced.	N/A	
2.20	Stnp plan/Route Plan showing overhead electrical line Chainage, width of ROW, distance of propose structure(Tower Tension tower and pole for HT line only) from the edge of ROW , important mile stone intersections, cross drainage work any other structure existing of proposed etc.	Yes.	
	certificcate from the project directors.		



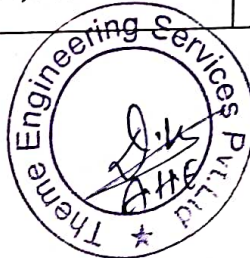
Handwritten signature and initials.

Handwritten signature.

*Project Director
National Highway Authority of India
PIU-Baghat*

No	Item	Information/Status	Remarks
1	certified confirming that the proposal has been examined with respect to the structures and development work considered at this locations issued vide ministry circulator.	Yes	
2	Certificate from PD in the following format		
3	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 carriageway, easing of curve etc.	N/A	
4	For 6 lanning	N/A	
5	a) where Feasibility is available i do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location.	N/A	
6	b) In case feasibility is not available i do certify that sufficient ROW is available at site for accommodation proper six lanning	N/A	
7	If NH section proposed to be taken up by NHAI on BOT basic a clause is to be instead in the agreement the permitted highway on which liense	N/A	
8	Concession agree for up gradation of Aligarh - Palwal (44 km to 45 km)	N/A	
9	NH no 334D on build operate and transfer basic)and therefore the		
10	Who will supervise the work of the laying overhead electrical line	UPPTCL will supervise of laying work.	
11	Who will sign the agreement on behalf of overhaed electrical agency	Executive engineer ,ETD - MUZAFFAR NAGAR,UPPTCL	
12	Who will ensure that the defects in road portion after laying of Water Supply pipe line are corrected and if not	NA, as the proposal is for overhead EHV line crossing of NH.	
13	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	UPPTCL	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	NHAI	
15	If any previous approval is accorded for laying of overhead electrical line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	N/A	

FOR- UPPTCL



of :-
S/-

Project Director
National Highway Authority of India
PIU-Bachpat

FOR- NATIONAL HIGHWAY AUTHORITY OF INDIA.