सत्यमेव जयते

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-91/Km.103.768/PGCIL/OH/ 1296 **Dated: 07.04.2022**

Invitation of Public Comments

Sub: NOC for O/H crossing of NH-91 with 400 KV DC (Twin Moose) Khurja (STPP) - Aligarh (PG) Tr. Line at Ch.103.768 (THDCIL) near Village - Rukanpur, Tehsil - Khurja, Distt.- Bulandshahr in the State of Uttar Pradesh - reg.

The Authorized Signatory M/s PGCIL has submitted the proposal for permission for overhead O/H crossing of NH-91 with 400 KV DC (Twin Moose) Khurja (STPP) - Aligarh (PG) Tr. Line at Ch.103.768 (THDCIL) near Village - Rukanpur, Tehsil - Khurja, Distt.- Bulandshahr in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that the position of Tower is outside of NH ROW. Length of crossing Span is 204m & Towers are at a distance of 85.5m & 73.5m from either side of NH boundary while height of towers is 52.575m in both side. Vertical Clearance between road level & the lowest conductor is 21.2m. Width of available ROW is 45m.

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 PGCIL, Aligarh U.P. for information.
4. The PD, PIU-Aligarh for information.

CHECK LIST

1.	National Highway Number	:	N.H 91
2.	Name of Crossing	:	GHAZIABAD – ALIGARH
3.	Crossing at chainage	:	103.768 KM
4.	Position of towers	:	Outside the ROW of N.H 91
5.	Crossing Span	:	204 Mtr.
6.	Clearance over the road level	:	21.2 Mtr.
7.	Angle of road crossing	:	89°00'00"
8.	Distance from NH Boundary to center of tower	:	Loc. No.AP- 29 (DD+6) = 85.5 Mtr. Loc. No.AP-30 (DD+6) = 73.5 Mtr.
9.	Perpendicular distance from center of tower to center of road	:	Loc. No. AP-29 (DD+6) = 108 Mtr. Loc. No. AP-30 (DD+6) = 96 Mtr.
10.	Protection of assembly to the line	:	Anti climbing devices provided at 3 Mtr. Heights from Ground Level
11.	No. of stay required	:	Not required
12.	Minimum Factor of Safety	:	2.0 (Normal condition)
13.	Size of power conductor	:	ACSR MOOSE Conductor dia. 31.77 mm. Al.: 54/3.53mm., Steel: 7/3.53 mm.
14.	Size of Earth Wire	:	7/3.66 mm (Steel)

पी०पी० सिंह / P.P. SINGH
परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India
परियोजना कार्यान्वयन इकाई-अलीगढ़ / Project Implementation Unit-Aligarh

प्रेम प्रकाश राय/Prem Prakash Rai
महा प्रबन्धक/General Manager
पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.
Power Grid Corporation of India Ltd.

CHECK LIST

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

Relevant Circular / Codes

1) Ministry Circular No. NH-III/P/20/77 Dated- 08.04.1982
2) Indian Electricity Act-1910
3) Indian Electricity Act-1956
4) IRC:32-1969
5) IS: 5613-1976 Part-I to IV

Check list for laying of 400 KV D/C Khurja STPP- Aligarh Transmission line over Head Crossing in Ghaziabad- Aligarh National Hihgway-91

SL.NO.	Item	Information/Status	Remarks
1	Genral Information		
1.1	Name and addresss of the applicant with full Adress	Genaral Manager ,Power Grid Corporation of India Limited, (765/400 KV GIS Substation) Village-Keelpur, Khair, Aligarh (202141) UP.	
1.2	National Highway Number	NH-91	
1.3	State	Uttar Pradesh	
1.4	Locations	Near Village- Rukanpur	
1.5	Name of the Line	400 KV D/C Khurja STPP- Aligarh (PG) Transmission Line.	
1.6	Chainage in km	103.700 To 103.800(Exact Location 103.768)	
1.7	Length in metre (Span)	204 mtr.	
1.8	Width of available ROW	45 mtr	
	(a) Left side from center line toward increasing chainage/km direction .	22.5 mtr	
	b)Right side from center line toward increasing chainage/km direction	22.5 mtr	
1.9	Proposal to Lay Over head		
	(a) Left side from center line towards increasing chainage/km direction	AP-30 at a distance of 96.00 mtr from center of road	
	(b) Right side from center line towards increasing chainage/km direction	AP-29 at a distance of 108.00 mtr from center of road	
	c) Crossing of NH number	NH-91	
1.10	Proposal to acquire land		
	(a) Left side from center line	N/A	
	(b) Right side from center line	N/A	
1.11	Whether proposal is		
	a) in the same side where land is not to be acquired	NA, as the proposal is for crossing of NH.	
	b) crossing the National Highway		
	c) If not then Where to lay the overhead electrical Line	Yes , crossing the National Highway. Towers shall be constructed outside NHAI land Boundary.	
1.12	Details of already laid services(Overhead telecommunication line over head Electrical line etc, if any along the proposed route Propsoed Crossing .	N/A	
	Shoulder /4/6/8 lanes	4 Lane.	
1.13	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	
1.14	Proposed Service road		
	(a)left side from center line	N/A	
	(b)Right side from center line	N/A	
1.15	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 carriageway	Over Head Electrical Transmission Line Crossing the NH-91	
1.16	The permission Of Laying overhead Electrical line shall be considered for approval /rejection based on the minisrty circulars relevent codes . Circulars mentioned as above.		
1.17	If crossing of the road involved	Yes	

पी०पी० सिंह / P.P. SINGH
परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India
परियोजना कार्यान्वयन इकाई-अलीगढ़ / Project Implementation Unit-Aligarh

प्रेम प्रकाश / Prem Prakash Rai
महा प्रबन्धक/General Manager
पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.

	A) Is it on line normal to NH And Provide length of crossing span	204 mtr	
	B) Structure (Tower tension tower , pole for HT line only) For crossing shall not be to near to the existing structure of National Highway.	Distance more than 96 mtr & 108 mtr from centre of road	
	i) Type of Existing / Proposed structure for National Highway	HT of Tower 52.605 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 96 mtr & 108 mtr from centre of road	
	c) The overhead lines and their suuportin 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 standerd or whwere the widening is propsoed for any reason.lateral clerance shall be reckoned with respect to ultimate road way .what is the horizantral clearance from the extreme edge of the road boundary .	N/A , Towers shall be constructed at a distance of 108 mtr(RS) & 96 mtr.(LS) from centre of the road towards increasing chainage direction	
	d) The overhead liens and their supporting ploes/towers should be ordinarly being placed at a minumam diatance of 5.0m from the nearest line of the avene tress	N/A , Towers shall be constructed at a distance of 108 mtr(RS) & 96 mtr.(LS) from centre of the road towards increasing chainage direction	
	e) in mountainous/hilly terrain the overhead liens should be errcted preferably on the valley side as far as away as practicable .In hilly region ,level of ground at suitable distance	Plain Terrain	
	bellow the outer counducter on either side from the center line is also to be noted and marked in the profile so as ensure required ground clearance underneath counductor and side clearance in swing conditions is the proposal in hilly area ? f)The horizantle 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- minumem 300 mm from the edge of nearest kerb600mm being preferable	N/A	
	ii) for road without raised kerbs-at least 1.5 mm from the edge of carrige way subject to minimum of 5.0 meter from the center line of the carrage 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 sitable 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 shali be reckonrd from the top of th ecrown of theroad taking into account the anticipated final top level due to future raising of road slave ,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 standerd codesis 5613-1976(art IV and indian Electricity Rules1956as under/	21.2 mtr. Ground Clearance shall be taken jointly with NHAI after completion.	
	for electric power line carrying low voltage up to and including 650 voltas- 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 requirment wher every local authority requiredment is higner the same shall be proviedd.in case of HT line .road crossing the ground clrearance at the road under maximum temperature and in still air shall be such an even with conducter bundle broken in adjacent span the ground clearance of the conductervfrom the road surface shall not be less than 15.00	Ground clearance from road surface to bottom conductor in 21.2 mtr.	

पी०पी० सिंह / P.P. Singh
परियोजना निदेशक / Project Director
राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India
परियोजना कार्यान्वयन इकाई-अलीगढ़ / Project Implementation Unit-Aligarh

प्रेम प्रकाश राय / Prem Prakash Rai
महा प्रबन्धक/General Manager
पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.

	What is the voltage of propsed line and clearance under maximum sag condition betwwn lowest conducter of the proposed line and existing National Higway/Future developed National Highway	400 KV	
2	Affidavit/under taking to be obtaining from (to the furnished by) the applicant	Yes.	
2.1	Not to Damageto other untility , 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 standard conditaions as laid down in ministry circular no - NH IRC -32v1969 is : -III/P/20 Dated 08.04.1982 .indian	Yes.	
2.4	Shifting of over head Electrical line at their own cost as and when required by NHAI	Done by Powergrid	
2.5	Shifting of over head Electrical line at their own cost if require due to 4 laining widening of National Highway	Done by Powergrid	
2.6	Indemniity 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 maintence.	Done by Powergrid	
2.7	Traffic Movement during laying of overhead electrical line to be managed by the applicant	Yes managed by Powergrid.	
2.8	if any claim is raised by the concessionaire then the same has to be the paid by the applicant	Yes paid by Powergrid.	
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 agencey 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/ approch road/ utlities 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 development.	Yes.	
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 maintenace.	Yes.	
2.15	undertake for compliance with indian electricity rules and other authoritics 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 dowm by railways or railway electrification authorities .post and telegraph deperment roadways or nagivation or aviation authotise and power and telecommunication coordination committee wherever appiicable	Yes.	
3	Other document and drawing to be furnished by the applicant	Yes.	
3.1	Method of laying of overhead electrical line	Yes.	
3.2	Draft licence agreement	Yes.	
3.3	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	

पी०पी० सिंह / P.P. SINGH
परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India
परियोजना कार्यान्वयन इकाई-अलीगढ़ / Project Implementation Unit-Aligarh

प्रेम प्रकाश राय/Prem Prakash Rai
महा प्रबंधक/General Manager
पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.
Power Grid Corporation of India Ltd.

3.4	Strip 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.	
4	certifacate from the project directors.		
4.1	certifaced confirming that the proposal has been examined with respect to the structures and devolopment work considered at this locations issued vide ministry circulator.	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 & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".	N/A	
	ii) For 6 lanning	N/A	
	a) where Feasibility is available i do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering propsed structures at the said location .	N/A	
	b) In case feasibility is not available i do cerrtify that sufficint ROW Is available at site for accommodation proper six lanning	N/A	
5	if NH secation propsed to be taken up by NHAI on BOT basic a clause is to be instead in the aggrementr .the permitted highway on which liense	N/A	
	Concession agree for up gradation of Aligarh - Palwal (44 km to 45 km) NH no 334D on build operate and transfer basic)and therefore the	N/A	
	Who will supervise the work of the laying overhead electrical line	Powergrid will supervise of laying work.	
	Who will sign the aggrement on behalf of overhaed electrical agency	Genaral Manager, Powergrid Grid Corporation of India Limited.	
	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.	
	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Power Grid Corporation of India Limited	
	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	
	If any previous approval is accorded for laying ofoverhead electrical line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	N/A	

FOR- POWERGRID/THDC

प्रेम प्रकाश राय/Prem Prakash Rai
महा प्रबन्धक/General Manager
पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.
Power Grid Corporation of India Ltd.

पी०पी० सिंह / P.P. SINGH
परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India
परियोजना कार्यान्वयन इकाई-अलीगढ़ / Project Implementation Unit-Aligarh

FOR- NATIONAL HIGHWAY AUTHORITY OF INDIA.