

Government of India

Ministry of Road Transport & Highways
(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022
Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 24.03.2025

Invitation of public comments

Sub.: Providing NOC for crossing proposal of 400KV D/C Transmission Line Over at Ch. 496.200 & 496.300 of NH-730 from Pilibhit in the state of Uttar Pradesh - Reg.

Butwal-Gorakhpur Cross Border Power Transmission Limited has submitted the proposal for crossing proposal of 400KV D/C Transmission Line Over at Ch. 496.200 & 496.300 of NH-730 from Pilibhit in the state of Uttar Pradesh to Executive Engineer, NH Division, PWD, Gorakhpur for consideration.

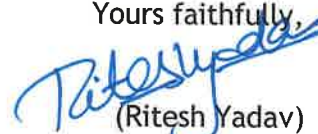
2. The above proposal has been examined in this office in light of Ministry guidelines issued vide OM no.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016 & NH-36094/01/2022-S&R (P&B) dated 24.04.2023. The application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. In view of the above, comments of the public on the above application (checklist enclosed) is invited to the below mentioned address:

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Encl.: As above.

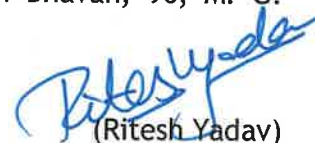
Yours faithfully,



(Ritesh Yadav)
Assistant Executive Engineer
for Chief Engineer - Regional Officer

Copy to:

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Chief Engineer (NH), Public Works Department, Nirman Bhavan, 96, M. G. Marg, Lucknow - 226 001.



(Ritesh Yadav)
Assistant Executive Engineer
for Chief Engineer - Regional Officer

CHECK LIST

Guidelines for Project Directors for processing the proposal of laying over Head Electrical Line Crossing National Highway Vested with NH(PWD)

Relevant Circulars/Codes

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

Check list for laying of 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730

Sl. No.	Item	Information/Status	Remarks
I	General Information		
1.1	Name and address of the applicant with Full Address	General Manager, Butwal Gorakhpur Cross Border Power Transmission Ltd C/O Power Grid Corporation of India LTD 400/220KV Sub-Station, Sector-23, GIDA Sahjanwa, Gorakhpur, Uttar Pradesh -273209.	
1.2	National Highway Number	Pilibhit – Tamkuhiraj NH -730	
1.3	State	Uttar Pradesh	
1.4	Location	Near Hazaratpur village, @ KM.496 to KM.497	
1.5	Name of the Line	400KV D/C QUAD (Moose) NEW BUTWAL (NEPAL) - GORAKHPUR TRANSMISSION LINE	
1.6	Chain-age in Km	KM 496.210 km from Pilibhit to Tamkuhiraj (NH-730)	
1.7	Length in meter (Span)	223Mtrs	
1.8	Width of available ROW of NH	23Mtrs	
	a) Left side from center line towards increasing chain-age/ km direction.	11.5Mtrs	
	b) Right side from center line towards increasing chain-age/km direction	11.5Mtrs	
1.9	Proposal to lay overhead		
	a) Left side from center line towards increasing chain-age/Km direction	93Mtrs	
	b) Right side from center line towards increasing chain-age/ Km direction	130Mtrs	
	c) Crossing of NH number	NH-730	
1.10	Proposal to acquire land		
	a) Left side from the center line	Not Applicable	

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गोरखपुर



गोपम कुमार श्रवास्तव / Gopam Kumar Srivastava

उपमहाप्रबन्धक / DGM

400/200 के.वी. उप-स्टेशन, गोरखपुर

डी० पी० सिंह / D.P. Singh
महाप्रबन्धक / General Manager

400/200 के.वी. उप-स्टेशन, गोरखपुर
गोरखपुर Sub-Station Powergrid Gorakhpur

Check list for laying 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730

Sl. No.	Item	Information/Status	Remarks
	b) Right side from the center line	Not Applicable	
	Whether proposal is		
	a) In the same side where land is not to be acquired	Land acquisition is not involved.	
1.11	b) Crossing the National Highway	Yes	
	c) If not then where to lay the overhead Electrical Line	The overhead electrical line is to be laid in the field away from the NH boundary as mentioned at 1.9 (a) & (b)	
1.12	Details of already laid services (overhead) Telecommunication line, overhead Electrical line etc) if any, along proposed route / proposed crossing	Not Applicable	
1.13	Number of lanes (2/4/6/8 lanes) existing	2 Lanes	
1.14	Proposed number of lanes (2 lane with saved shoulders /4/6/8)	NA	
1.15	Service road existing or not	NA	
	If yes then which side	NA	
	a) Left side from the center line	NA	
	b) Right side from the center line	NA	
1.16	Proposed Service Road	NA	
	a) Left side from the center line	NA	
	b) Right side from the center line	NA	
1.17	Whether proposal to lay overhead Electrical line is after the service road or between the service road and main carriage way, or crossing the National Highway.	Crossing the National Highway.	
1.18	The Permission of laying Over Head Electrical Line shall be considered for approval / rejection based on the Ministry Circulars and relevant codes.	Yes	
1.19	If crossing of the road involved		
	A) Is it on a line normal to NH and provide length of crossing span	223Mtr.	
	B) Structure (Towers, tension towers, pole for HT line only) for crossing shall not be to near to the existing structures on the National Highway, the minimum distance being 15 meter.	More than 20 Meter <i>Shanul</i> सहायक अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर	<i>[Signature]</i> अधिशाली अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर
	i) Type of Existing / Proposed structure for National Highway.	Tension towers, Tower type DD + 6 on one side and DC + 6 on the other side of NH.	



[Signature]

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डी.पी. सिंह / D.P. Singh

महाप्रबन्धक / General Manager

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400/200 K.V. Sub-station Powergrid Gorakhpur

**Check list for laying 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR
TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730**

Sl. No.	Item	Information/Status	Remarks
	ii) What is the distance of tower, pole and tension towers from the existing/proposed structure of National Highway.	Tower No. AP60/0(DD+6) is 130 m from center line of the existing National Highway Tower No: AP61/0(DC+6) is 93 m from center line of the National Highway.	
	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 10 meters away from the edge of the existing traffic lane. Where the existing roadway is narrow than the minimum required 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 boundary.	Tower No: AP60/0(DD+6) is 125M and AP61/0(DC+6) is 88 M	
	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 avenue trees.	Overhead line supporting is far away from the nearest line of avenue trees.	
	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 a suitable distance below the outer conductor on either side from the center line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearance in swing conditions. Is the proposal in hilly area?	No. Proposal is in plain terrain.	
	f) The horizontal clearances in respect of poles erected for the purpose of street lighting in urban situation shall be as under.	Not Applicable	
	i) For road with raised kerbs – Minimum 300 mm from the edge of the nearest kerb 600 mm being preferable.	Not Applicable  सहायक अभियन्ता रा० मा० खण्ड, लो०नि०वि० गोरखपुर	 अभिशासक अभियन्ता रा० मा० खण्ड, लो०नि०वि० गोरखपुर



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Check list for laying 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730

Sl. No.	Item	Information/Status	Remarks
	ii) For road without raised kerbs – At least 1.5m from the edge of carriageway, subject to minimum of 5.0 meter from the center line of the carriage way.	Horizontal clearance is 125 m & 88 m from the center line of the carriage way.	
	g) The pylons of HT lines along the crossing the road shall be located outside the National Highway land	YES	
	h) For crossing the line of same voltage or lower voltage, suspension/tension tower with suitable extension shall be used.	YES	
	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 lines 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.	-----	
	For ordinary wire and line carrying low voltage up to and including 110 volts – 5500 mm	-----	
	For electric power lines carrying low voltage up to and including 650 Volts – 6000 mm	-----	
	For electric power lines carrying voltage exceeding 650 Volts – 6500 mm	-----	
	220 KV – 7015 mm	-----	
	400 KV – 8840 mm	The vertical clearance between top surface of existing National Highway and lowest point of the conductor at maximum possible sag is 22.44m	
	800 KV – 15000 mm	-----	



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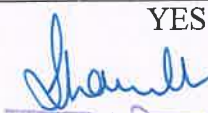

सहायक अभियन्ता
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**Check list for laying 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR
TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730**

Sl. No.	Item	Information/Status	Remarks
	Note: These are minimum requirement where ever 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 that even with conductor bundle broken in adjacent span, the ground clearance of the conductor from the road surface shall not be less than 15.00	-----	
	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.	The voltage of proposed line is 400KV Clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway is 22.44 m	
2	Affidavit / Under taking to be obtaining from (to the 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 concern agency.	YES	
2.2	Undertaking for renewal of Bank Guarantee if required.	Not Applicable	
2.3	Confirming all standard conditions as laid down in Ministry Circular No: NH-III/P/20 dated 08.04.1982, Indian Electricity Act – 1910, Indian Electricity Rule – 1956, IRC – 32 - 1969 IS: 5613 – 1976 Part I to IV and NHAI's guideline.	YES	
2.4	Shifting of overhead electrical line at their own cost as and when required by NHAI	Not Applicable	
2.5	Shifting of overhead electrical line at their own cost if require due to 4 lanning widening of National Highway.	4 Way Lane Proposed	
2.6	Indemnity against all damages and claims what so ever kind that may be to NHAI or any third party in the ROW during installation, operation and maintenance.	YES  सहायक अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर	 अधिशाली अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर





Shashi

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TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730**

Sl. No.	Item	Information/Status	Remarks
2.7	Traffic movement during laying of overhead electrical line to be managed by the applicant.	YES	
2.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	YES	
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 NHAI for repairing any damage caused to the National Highway by the laying, maintenance of the overhead electrical line will be borne by the agency owing the line.	YES	
2.11	If 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 NHAI at the cost of the agency owning 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	YES	
	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 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 but NHAI for future six-lanning 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  सहायक अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर	 अधिसासी अभियन्ता रा० मा० खण्ड, लो० नि० वि० गोरखपुर


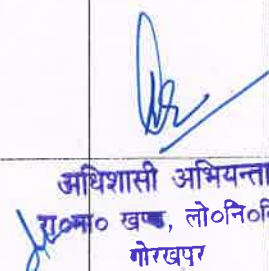


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TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730**

Sl. No.	Item	Information/Status	Remarks
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	Undertake for compliance with Indian Electricity Rules and Other Authorities Regulations – All overhead lines shall comply with the requirements of the Indian Electricity Act and Rules made there under and the regulations or specifications as laid down by railways or railway electrification authorities, post and telegraphs department, roadways or navigation or aviation authorities, local governing bodies, defence authorities and power and telecommunications coordination committee, wherever applicable	YES	
3	Other documents and drawings to be furnished by the applicant		
3.1	Method of laying or overhead Electrical line	YES	
3.2	Draft License Agreement	YES	
3.3	Performance Bank guarantee in favour of NHAI has to be obtained @Rs.100 per running meter (Parallel to NH) and Rs.100000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactorily completion of work) as a security for ensuring / making good the area, clearing the debris / loose earth etc produced.	NOT APPLICABLE as the tower is beyond the right of way of NH.	
3.4	Strip plan/Route plan showing Overhead Electrical line, chain-age, width of ROW, distance of proposed 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 or proposed etc.	YES	
4	Certificate from the Project Directors:	<p align="center">  सहायक अभियन्ता रा० मा० खण्ड, लो०नि०वि० गोरखपुर </p> <p align="center">  अधिसासी अभियन्ता रा० मा० खण्ड, लो०नि०वि० गोरखपुर </p>	



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Sl. No.	Item	Information/Status	Remarks
4.1	Certificate confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of all standard condition 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 and NHA's guideline.	YES	
4.2	Certificate from PD in the following format	To be provided by NH/PWD	
	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 and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc"		
	ii) For 6 lanning		
	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".		
	b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six lanning".		
5	If NH section proposed to be taken up by NHA on BOT basis – a clause is to be inserted in the agreement, "The Permitted Highway on which License has been granted the right to lay Overhead Electrical line has also been granted as a right of way to concessionaire under the concession agreement for up- gradation of (Km 496 to km 497 NH No: 730 on build, operate and transfer basis) and therefore, the license shall honour the same.	To be Provided NH/PWD	

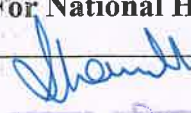



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400/200 K V Sub station Powergrid Gorakhpur

**Check list for laying 400KV D/C QUAD NEW BUTWAL (NEPAL) - GORAKHPUR
TRANSMISSION LINE for Over Head Crossing in Pilibhit – Tamkuhiraj NH -730**

Sl. No.	Item	Information/Status	Remarks
6.	Who will supervise the work of laying of overhead electrical Line	General Manager, Butwal Gorakhpur Cross Border Power Transmission Ltd Uttar Pradesh -273209 will supervise the work of laying of overhead electrical line.	
7.	Who will sign the agreement on behalf of overhead electrical line agency.	Chief General Manager, Butwal Gorakhpur Cross Border Power Transmission Ltd C/O Power Grid Corporation of India LTD 400/220KV Sub-Station, Sector-23, GIDA Sahjanwa, Gorakhpur, Uttar Pradesh -273209	
8.	Who will ensure that the defects in road portion after laying of overhead electrical line are corrected and if not corrected then what action will be taken.	General Manager, Butwal Gorakhpur Cross Border Power Transmission Ltd C/O Power Grid Corporation of India LTD 400/220KV Sub-Station, Sector-23, GIDA Sahjanwa, Gorakhpur, Uttar Pradesh -273209	
9.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	General Manager, Butwal Gorakhpur Cross Border Power Transmission Ltd C/O Power Grid Corporation of India LTD 400/220KV Sub-Station, Sector-23, GIDA Sahjanwa, Gorakhpur, Uttar Pradesh -273209	
10.	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)	Not Applicable	
11.	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 may be enclosed.	Not Applicable	
For Butwal Gorakhpur Cross Border Power Transmission Ltd		For National Highway /PWD	
		 सहयक अभियन्ता रा० या० खण्ड, लो० नि० वि० गोरखपुर	 अधिशस्ती अभियन्ता रा० या० खण्ड, लो० नि० वि० गोरखपुर



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