



सत्यमेव जयते

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
पावर कम्युनिकेशन डवलपमेंट प्रभाग  
Power Communication Development Division

No.: CEA/PCD/ PTCC/UP-501/31-73

Date: 28.01.2020

The Divisional Engineer (Telecom), BSNL  
PTCC O/o GM (North), Inspection Circle (T & D),  
CTS Compound, Netaji Nagar,  
Africa Avenue, New Delhi - 110023

**Subject: PTCC proposal of 220 kV Indirapuram- Pratapvihar line on double circuit Monopole.**

**Ref. :** (i) UPPTCL Ref. No.3376 ETC/GZB/220 kV Indirapuram Dated: 07.08.2019  
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9573/UP-784/2019-20 Dated: 09.01.2020  
(iii) Northern Railway Ref. No. 342-SIG/1/PTCC Dated: 29.08.2019  
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1782 Dated: 25.09.2019

The PTCC proposal submitted vide ref. (i) has been examined. The low frequency induction on block circuits of Northern Railways as per details furnished vide ref. (iii) has been examined. The Soil Resistivity value has been taken as 5,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling Railway block circuits under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. BSNL has issued NOC vide above ref. (ii). In addition, Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-II).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

**Encl.:** As above.

*Upendra Kumar*  
28.01.2020

(Upendra Kumar)  
Chief Engineer

**Copy to :**

1. General Manager(S & T), Northern Railway, Headquarter Office, Baroda House, New Delhi-110001(Annex.-I only).
2. Superintending Engineer, U.P. Power Transmission Corporation Ltd., Electricity Transmission Circle, 132 kV Sub-station, Lal Kuan, B.S.R. Road, Ghaziabad-201002.

**ANNEXURE-I**

<b>Case No.: UP-501</b> <b>Name of the Power line</b> 220 KV Indrapuram – Pratap Vihar Transmission Line			<b>Map Scale</b> : 1cm=500mts <b>Total Length</b> : 6.0Km. <b>S.R. Value</b> : 5,000 Ohms-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

<b>NORTH RAILWAY</b>					
Ref. No: 342-SIG / 1/PTCC DATED: 18-10-2019					
<b>Affected Blocks &amp; Telcom Circuits Details</b>					
	<b>GHAZIABAD-SAHIABAD-ANAND VIHAR (T)</b>				
1	Chipyana Buzurg – Ghaziabad	0.5	0.0001	8400	1
2	Ghaziabad – Sahiababad	3.5	0.0009	6200	6
3	Sahiababad – Anand Vihar	1.5	0.0004	6400	3

*Upendra Kumar*  
28.01.2020

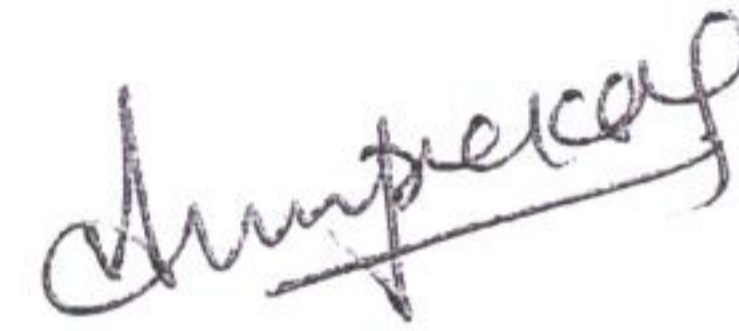
B/46937/Sigs 7(b)/1782/

25 Sep 2019

Office of the Executive Engineer  
Electricity Transmission Division-II  
U.P. Power Transmission Corporation Limited  
132K V. Sub-Station, Lalkuan  
B.S.R. Road Ghaziabad-201002(U.P.)

**PTCC CLEARANCE FOR 220KV INDIRAPURAM-PRATAPVIHAR LINE (6KM)**

1. Ref your letter No 1043/ETD-II/GZB dt 22 Jun 2019. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.



(A Rawat)  
Maj  
GSO 1 (Comn)  
for SO-in-C

**Enclosures** : As above

**Copy to :-**

✓ The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi – 110016

Divisional Engineer Telegraph (PTCC)  
O/o GM (North); BSNL, QA & Inspection Circle,  
CTS Compound, Africa Avenue Road,  
Netaji Nagar, New Delhi-110023

} for information

18