

I/14659/2021



**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत संचार विकास प्रभाग**  
**Power Communication Development Division**

|  |              |
|--|--------------|
| Case No.: UP-491   | Dt. 18.03.21 |
| PTCC proposal of 220 kV D/C Greater Noida (765 kV) to IITGNL (220 kV) transmission line. |              |

| Reference: |  | Dated      |
|------------|--|------------|
| Sl. No.    | Reference No   |            |
| (i)        | UPPTCL: 670(EE)/(GN)                                     | 13.05.2019 |
| (ii)       | BSNL: DET/PTCC/ND/DV-9471/UP-721/2020-21                 | 09.02.2021 |
| (iii)      | North Central Railway: NCR/S&T/2074/telecom/PTCC(part-I) | 05.02.2021 |
| (iv)       | Defense: B/46937/Sigs 7(b)/1643                          | 03.07.2019 |

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has conveyed NOC as there are no BSNL lines in the route of the proposed power line. The LF induction on Block & Telecom circuits of North Central Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & Telecom circuits of North Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for this line (a copy enclosed at Annexure-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Digitally signed by RAGHUBHRA PRATAP SINGH  
Date: 2021.03.18 12:03:19+05'30'

**Director**

**To,**

|    |   |  |                      |
|----|---|--|----------------------|
| 1. | Divisional Engineer (PTCC), Northern Zone | BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.                  | Annexure-II only     |
| 2. | ASTE/TELE/HQ                              | NCR, HQ's Office (S&T Branch), Ganga Parisar, Subedarganj, Allahabad-211015.   | Annexure-I only      |
| 3. | Executive Engineer                        | UPPTCL, Office of the Executive Engineer, Electricity 400 kV Sub-Station, Tilpata Makoda Road, Greater Noida-201306. | Copy for information |

**ANNEXURE - I**

**Case No.:** UP-491  
**Name of the Power Line:** 220 kV D/C Greater Noida (765 kV) to IITGNL (220 kV) transmission line.

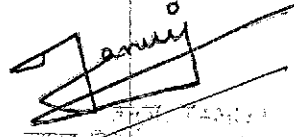
Map Scale : 1 cm = 500 m  
 Route Length : 40.195 km  
 Soil Resistivity : 5,000 ohm-cm

| S. No. | Telecom Details | Length of Parallelism (in km) | Mutual Coupling (Ohms) | Fault Current (Amps) | Induced Voltage (Volts) |
|--------|-----------------|-------------------------------|------------------------|----------------------|-------------------------|
|--------|-----------------|-------------------------------|------------------------|----------------------|-------------------------|

North Central Railway Ref. No. NCR/S&T/2074/telecom/PTCC (part-I) Dated : 05.02.2021

**Affected Blocks & Telecom Circuits Details**

|   |                      |                               |        |      |    |
|---|----------------------|-------------------------------|--------|------|----|
| 1 | Dadri to Ajaibpur    | Out of parallelism            |        |      | 00 |
| 2 | Ajaibpur to Dankaur  | 1.4                           | 0.0003 | 9507 | 29 |
| 3 | Dankaur to Wair      | Outside IV consideration zone |        |      | 00 |
| 4 | Wair to Chola        | Outside IV consideration zone |        |      | 00 |
| 5 | Chola to Sikandarpur | Outside IV consideration zone |        |      | 00 |

  
 सहायक निदेशक-II / Asstt. Director-II  
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
 विद्युत विभाग, Ministry of Power  
 भारत सरकार / Govt. of India  
 नई दिल्ली / New Delhi-66

(Annexure - II)

UP-491

Tele : 23019746

Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/1643/

BB Jul 2019

U.P. Power Transmission Corporation Limited  
Office of the Executive Engineer  
Electricity 400kV Sub-Station  
Tilpata Makoda Road  
Greater Noida-201 306

**PTCC CLEARANCE FOR CONSTRUCTION OF 220KV D/C GREATER NOIDA (765KV)-JITGNL  
(220KV) TRANSMISSION LINE**

1. Ref your letter No /400kV(GN)/670 dt 14 May 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

for information.