



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-472/ 254-256

Date: 28.02.2019

DET (PTCC), Northern Zone,
Bharat Sanchar Nigam Limited (BSNL),
O/o PGM(N), Inspection Circle,
CTS Compound, Netaji Nagar,
New Delhi - 110023

Subject: Induced Voltage calculation in respect of PTCC proposal of LILO of 400 kV S/C
Sultanpur – Azamgarh line at Tanda Thermal Project (Stage-II)

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9408/UP-683/2018-19/ dated 08.02.2019
(ii) Northern Railway letter no: 342-SIG/1/PTCC dated 25.01.2019

Sir,

The instant PTCC proposal has been examined. BSNL has accorded NOC vide above Ref.(i) for the above line. The low frequency induction on Railway Telecommunication circuits as per details furnished vide above cited references (ii) has been examined. The Soil Resistivity value has been taken as 30000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex. The screening factors as applicable have been considered.

Telecommunication details from Defense are pending and the power authority has shown urgency for charging the line. In view of this, you are requested to issue provisional PTCC route approval.

Encl.: As above

Yours faithfully,


(Naresh Bhandari)
Chief Engineer

Copy to:

- 1) GM(S&T), Northern Railway, Headquarter Office, Baroda House, New Delhi
- 2) Executive Engineer, Electricity Transmission Division, UPPTCL, Sultanpur – 228001 (Uttar Pradesh)

