



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-509/ 123/25

Date: 17.02.2020

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

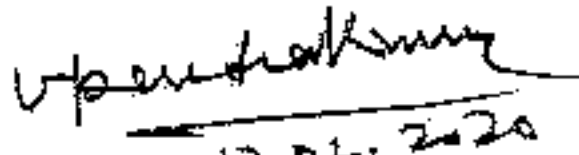
Subject: Induced Voltage calculation in respect of LILO of one Circuit of 400 kV D/C Ibrahimhatti (PGCIL) – Kasaramau (Mau) Transmission line at Rasra S/S

- Ref:** (i) Executive Engineer, UPPTCL letter no.804/ ETD/(B)/ dated 09.07.2019
(ii) BSNL letter no. DET/PTCC/ND/DV-9583/UP-790/2019-2020 dated 13.09.2019
(iii) North Eastern Railway letter no. N/242/1 (Tele)PTCC Part -I/1119 dated 17.07.2019
(iv) Defense letter no. B/46937/Sigs 7(b)/1801/ dated 27.11.2019

The PTCC case submitted vide reference (i) has been examined. BSNL vide above Ref. (ii) has accorded NOC for the line. The low frequency induction on Railway Telecommunication circuits as per details furnished vide above references (iii) has been examined. The Soil Resistivity value has been taken as 15,000 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-I. The screening factors as applicable have been considered. Defense vide above Ref.(iv) has accorded NOC for the line. (A copy enclosed at Annex-II)

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

Encl.: As above


17.02.2020

(Upendra Kumar)
Chief Engineer

Copy to:

- 1) DRM(S&T), North Eastern Railway, Varanasi. (only Annex-I)
- 2) Executive Engineer, Electricity Transmission Division, UPPTCL, Ballia - 277001

m/c

Tele : 23019746

Annex-11 Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/1801/

27 Nov 2019 UP-509

Office of the Executive Engineer
Electricity Transmission Division,
U.P. Power Transmission Corporation Limited
Ballia, PIN CODE-277001

**PTCC CLEARANCE FOR LILO OF CKT-I OF 400KV KASARA (MAU)-IBRAHAMPATTI (PGCIL)
LINE (37.2KM)**

1. Ref your letter No 804ETD/(B)/ dt 09 Jul 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 Jeeb 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