



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-510/ 11-13

Date: 07.01.2020

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 PTCC proposal of 220 KV D/C Bhaukhari (Basti 400 kV) – Dulhipar (Basti) Transmission Line.

- Ref:** (i) Executive Engineer, UPPTCL letter no.1185/ ETD-I(B)/PTCC dated 19.07.2019
(ii) BSNL letter no. DET/PTCC/ND/DV-9584/UP-791/2019-2020 dated 13.09.2019
(iii) North Eastern Railway letter no. N/242/0/(Tele)(PTCC)-Pt.-II/637 dated 09.09.2019
(iv) Defense letter no. B/46937/Sigs 7(b)/1770/ dated 11.11.2019

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 25,000 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

Upendra Kumar
07.01.2020

(Upendra Kumar)
Chief Engineer

Copy to:

- 1) GM(S&T), North Eastern Railway, State Entry Road, Gorakhpur. (only Annex-I)
- 2) Executive Engineer, Electricity Transmission Division, UPPTCL, 220 kV Sub-Station, Dulhipar (Basti) Power, 272002

मुख्य अभियंता / Chief Engineer
केन्द्रीय विद्युत प्राधिकरण / C.E.A.
पावर कम्युनिकेशन डवलपमेंट प्रभाग
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi

m/c

Tele : 23019746

UP-510

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

B/46937/Sigs 7(b)/1770/


11 Nov 2019

Office of the Executive Engineer
Electricity Transmission Division
U.P. Power Transmission Corporation Limited
220KV Sub-Station, Gidahi-Basti-272 002

PROPOSAL FOR PTCC CLEARANCE FOR 220KV D/C BHAIKHARI (BASTI) 400KV-DULHIPAR (BASTI) T/L LINE

1. Ref your letter No 1239/ETD-I(B)/PTCC/Dulhipar dt 27 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.

2002
26/11/2019


(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