



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/RAJ-629/38-40

Date: 10.01.2020

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

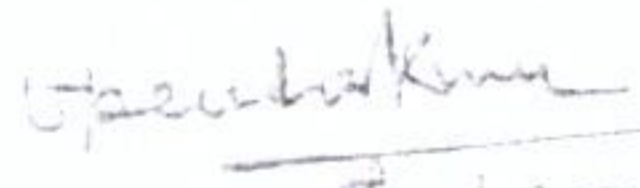
Subject: Induced Voltage calculation in respect of PTCC proposal of 765 kV D/C Fatehgarh – Bhadla transmission line associated with 400 kV pooling substation at Fatehgarh

- Ref:** (i) FDTL letter no.FBTL/PHL/July-34 dated 09.08.2019
(ii) BSNL letter no. DET/PTCC/ND/DV-9652/Raj-1251/2019-2020 dated 17.12.2019
(iii) North Western Railway letter no. SG/158/NWR/PTCC/748 dated 07.08.2019
(iv) Defense letter no. B/46937/Sigs 7(b)/1761/ dated 03.10.2019

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 50,000 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

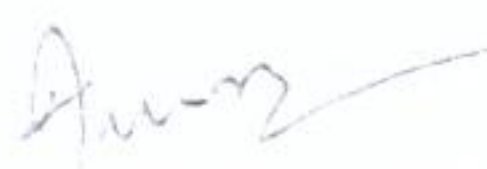

10/01/2020
(Upendra Kumar)
Chief Engineer

Copy to:

- 1) Dy. CSTE, North Western Railway, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur – 302017. (only Annex-I)
- 2) Associate Manager, Fatehgarh Bhadla Transmission Limited, Adarsh Nagar, Nr. Ghuvariya Basti Panchayat Smiti, Phalodi, Jodhpur, Rajasthan - 342301

M/C

Received on 10/01/2020



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)/1761/

23 Oct 2019

Associate Manager
Fatehgarh Bhadla Transmission Limited
Adarsh Nagar, Nr. Ghuvariya Basti Panchayat Smiti,
Phalodi, Jodhpur, RJ-342301

PTCC PROPOSAL FOR 765KV D/C FATEHGARH-BHADLA TRANSMISSION LINE
ASSOCIATED WITH 400KV POOLING SUBSTATION AT FATEHGARH

- 1 Ref your letter No FBTL/PHL/Jul-17 dt 29 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.

(Handwritten signature)

(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
Kalwaria 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