



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

पावर कम्युनिकेशन डेवलपमेंट प्रभाग

Power Communication Development Division

No. CEA/PCD/ PTCC/RAJ-616/ 399-401

Date:08.04.2019

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 220 KV D/C Gajner – Chaatargarh line

Ref: (i) BSNL letter no. DET/PTCC/ND/DV-9411/Raj-1204/2018-19 dated 06.03.2019
(ii) Northern Western Railway letter no. SG/158/NWR/PTCC/720 dated 14.11.2018
(iii) Defense letter no. B/46937/Sigs 7(b)/1346/ dated 04.01.2019

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 5000 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. Defense has accorded NOC vide above Ref.(iii) for the line.

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

Encl.: As above


(Naresh Bhandari)
Chief Engineer

Copy to:

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