



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-618/484-86

Date: 12.04.2019

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 LILO line of existing 220 kV S/C Jhalawar – Chhabra line to proposed 220 kV GSS Aklera.

Ref:(i) BSNL letter no. DET/PTCC/ND/DV-9413/Raj-1205/2018-19 dated 06.03.2019
(ii) West Central Railway letter no. WCR/N-HQ/120/PTCC/T-50/III Caes-246 dated 05.02.2019
(iii) Defense letter no. B/46937/Sigs 7(b)/1348/ dated 24.01.2019

Sir,

The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The Soil Resistivity value has been taken as 7,500 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I & II respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above Ref.(iii) for the above line.

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

Encl.: As above


(Naresh Bhandari)
Chief Engineer

Copy to:

- 1 GM(S&T), West Central Railway, 1st Floor, Annex II Building, Jabalpur-482068 (With Annex – II only)
- 2 Executive Engineer (PTCC), RRVPNL, First Floor, Room no. 129, Vidyut Bhawan, Jyoti Nagar, Jaipur – 302005

M/K

