

I/29970/2023



सत्यमेव जयते



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : RAJ-710		
Induced Voltage (IV) calculation for PTCC proposal of LILO of one circuit of 400 kV D/C Rajwest-Kankani Transmission Line at 400 kV Pachpadra S/s [Length-36.011 km] - Regd.		
S. No	Reference No.	Dated
(i)	RVPN/SE(QC-INSP&Montg.)/XEN (PTCC)/JPR/F.1950-A/D.575	27.10.2022
(ii)	RVPN/SE(QC-INSP&Montg.)/XEN/F/Rajkaj No.3332335	08.03.2023
(iii)	BSNL: DET/PTCC/ND/DV-10188/Raj-1409/2023-2024	16.08.2023
(iv)	North Western Railway: SG/158/NWR/PTCC/901	07.11.2022
(v)	Defense: B/46937/Sigs7(b)/3098	02.02.2023

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (NZ), BSNL vide reference (iii), North Western Railway vide reference (iv) and DG Signals, MoD vide reference (v) have issued No Objection Certificate (NOC) for charging of the line.

EPR Zones for proposed substation is mentioned below:

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400 kV Pachpadra GSS	242	35	0.10	1728	1061	NA	NA

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line might be taken under intimation to this office.

Encl.: As above

Director

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi
2.	Superintending Engineer (QC, Inspection & Monitoring),	RVPNL Room No. 320, Vidyut Bhawan, Jyoti Nagar, Jaipur