

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division  
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CEA Case No. : RAJ-706		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line on D/C tower from 400 kV Pachpadra S/s to HRRL S/s (14.23 km) - regd.		
S. No	Reference No.	Dated
(i)	RVPN/SE(QC-INSP&Month.)/XEN (PTCC)/JPR/F.1953-A/D.578	27.10.2022
(ii)	RVPN/SE(QC-INSP&Month.)/XEN (PTCC)/JPR/F.1953-A/Rajkaj No. 4000042	07.06.2023
(iii)	BSNL: DET/PTCC/ND/DV-10184/Raj-1405/2023-2024	23.05.2023
(iv)	North Western Railway: SG/158/NWR/PTCC/904	25.11.2022
(v)	Defense: B/46937/Sigs7(b)/3101	02.02.2023

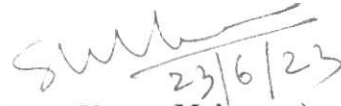
The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (NZ), BSNL vide reference (iii), North Western Railway vide reference (iv) and DG Signals, MoD vide reference (v) have issued No Objection Certificate (NOC) for charging of the line.

EPR Zones for proposed substations are 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
220 kV HRRL Substation	125	28	0.12	852	521	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

  
23/6/23  
(Suman Kumar Maharana)  
Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001
2.	Superintending Engineer (QC, Inspection & Monitoring),	RVPNL Room No. 320, Vidyut Bhawan, Jyoti Nagar, Jaipur