



सत्यमेव जयते



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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-723		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line from 220/33 kV PSS for 400 MW PV Solar Power Plant, Bikaner to 400/220 kV PGCIL, Bikaner-II PSS. [Length-10.968 km] - Regd.		
S. No	Reference No.	Dated
(i)	PGPL: PGPL/PTCC/01	18.09.2023
(ii)	PGPL: e-Mail	11.10.2023 & 24.11.2023
(iii)	BSNL: DET/PTCC/ND/DV-10258/Raj-1437/2023-2024	20.11.2023
(iv)	North Western Railway: SG/158/NWR/PTCC/931	03.10.2023
(v)	Defense: B/46937/Sigs7(b)/3545	08.11.2023

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
220/33 kV PSS at Bikaner	81	28	0.481	2456	1597	75	28

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)

File No.CEA-PS-17-11(11)/82/2023-PCD Division**To,**

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi	
2.	Prerak Greentech Private Limited	Unit 702, 7 th Floor, Equinox Business Park BKC, Mumbai	Copy for Information