

I/33232/2024



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-725		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line from 220/33 kV PSS for 335 MW PV Solar Power Plant, Kawani Village, Bikaner to 765/400/220 kV PGCIL, Bikaner-II PSS. [Length-16.824 km] - Regd.		
S. No	Reference No.	Dated
(i)	JREPL: Juna/PTCC/31082023	03.10.2023
(ii)	JREPL: e-Mail	14.10.2023
(iii)	BSNL: DET/PTCC/ND/DV-10260/Raj-1438/2023-2024	11.01.2024
(iv)	North Western Railway: SG/158/NWR/PTCC/933	19.10.2023
(v)	Defense: B/46937/Sigs7(b)/3565	28.11.2023

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 Kawani S/S, Bikaner	123	29.4	0.25	1979	1268	6	N.A

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

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	
2.	Juna Renewable Energy Private Limited	J-1/37 DLF City Phase –II Gurgaon	Copy for Information