



सत्यमेव जयते

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

CEA Case No. : RAJ-766		
Induced Voltage (IV) Calculation for PTCC proposal of 220 kV S/C line on D/C and M/C towers from 220/33 kV PSS for 300 MW Solar Power Project of M/s ACME Solar Holdings Limited at Nokha Daiya Bikaner to 400/220 kV Bikaner-II SS of PGCIL (Length: 2.359 kms)		
S. No	Reference No.	Dated
(i)	ACME/PTCC/2024-09/10	09.10.2024
(ii)	BSNL: DE/PTCC/NZIBSNL-TD/DV-10438/RAJ-1522/2024-25	12.12.2024
(iii)	North Western Railway: SG/158/NWR/PTCC/1003	05.11.2024
(iv)	Defense: B/46937/Sigs 7(b)/4250 (received via e-mail on 13.01.2025)	31.12.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), NZ, BSNL vide reference (ii), Dy. CSTE, North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has given their NOC for charging 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
220/33 kV PSS for 300 MW Solar Power Project of M/s ACME Solar Holdings Limited at Nokha Daiya Bikaner	70.8	41.04	0.435	2854	1864	109	55

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi-110001
2.	M/s ACME Solar Holdings Limited	Plot No. 152, Sector-44, Gurugram