



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**

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<b>CEA Case No. : MRA-1298</b>		
<b>Induced Voltage (IV) Calculation for LILO of 220 kV S/C line on D/C towers from 220/33 kV 150 MW Solar Power Pooling Substation of M/s CMES Jupiter Private Limited, Amravati to 220/132/33 kV Nandgaon Peth Substation (Length: 10.6 km)</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	CMES/SOLAR-AMRAVATI/PTCC PROPOSAL/24-25	19.03.2025
(ii)	E-mail	05.05.2025
(iii)	E-mail	19.05.2025
(iv)	BSNL: IC/MBI/PTCC/MRA-2717/03	03.06.2025
(v)	Central Railway: N.705/T/PTCC/220kV/MAH-945 (received on 11.06.2025)	24.04.2025
(vi)	Defense: B/46937/Sigs 7(b)/4595 (received on 11.06.2025)	07.05.2025

The PTCC proposal submitted vide reference (i), (ii), and (iii) has been examined. DET, PTCC (WZ), BSNL vide reference (iv), GM (S&T), Central railway vide reference (v) and ADG (Telecom), MoD vide reference (vi) 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 150 MW Solar Power PSS of M/s CMESJP Limited, Amravati	84.4	12	0.302	627	386	NA	NA

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 111<sup>th</sup> and 112<sup>th</sup> CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

**Chief Engineer**

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 <sup>st</sup> floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	M/s CMES Jupiter Private Limited	41, The International, 16 Maharshi Karve Road, New Marine Lines Cross Road No. 1, Opp. St. Xaviers Boys Academy, Church Gate, Mumbai – 400 020

