



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. : MP-518		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV M/C line for SJVNL 90 MW Floating solar project, Omkareshwar from Ekhand Substation (gantry) to 220/33 kV Saktapur S/s (Length: 9.178 km)		
S. No	Reference No.	Dated
(i)	SGEL/OFSP/Unit-F/500 (B)/2024-150	26.03.2024
(ii)	SGEL E-mail	09.06.2025
(iii)	BSNL: IC/MBI/PTCC/MRA-2675/03	13.01.2025
(iv)	Western Railway: SG.158/28/10/L-296	22.05.2025
(v)	Defense: B/46937/Sigs 7(b)/3839	22.07.2024

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET, PTCC (WZ), BSNL vide reference (iii), Dy. CSTE/ Tele Western Railway vide reference (iv) and ADG (Telecom), MoD vide reference (v) 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 Saktapur S/s	123	28	0.883	6949	4556	311	181

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), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	Authorised Representative	SJVN Green Energy Limited, Omkareshwar Floating Solar Power Project, Madhya Pradesh