



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. : MRA-1277		
Induced Voltage (IV) Calculation for PTCC proposal for 220 kV D/C line from 200 MW 220/33 kV Solar Park PSS of M/s AMPYR Renewable Energy Resources Twelve Private Limited at Mhasale to 220/132/33 kV Shivajinagar S/s of MSETCL (Length: 10.5 km)		
S. No	Reference No.	Dated
(i)	AMPYR/PTCC/Dhule/Solar/06	18.07.2024
(ii)	BSNL: IC/MBI/PTCC/MRA-2665/03	29.01.2025
(iii)	Central Railway: N.705/T/PTCC/220kV/MAH-930	03.01.2025
(iv)	Defense: B/46937/Sigs7(b)/4233	15.01.2025

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (ii), GM (S&T), Central 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 Solar Park PSS of M/s AMPYR Renewable Energy Resources Twelve Private Limited at Mhasale	102.5	50	0.31	3592	2342	124	56

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.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	M/s AMPYR Renewable Energy Resources Twelve Private Limited	Assetz House. No. 30, 3 rd Floor, Crescent Road, Bangalore