



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-537		
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 of M/s Blue Leaf Energy Renewables Private Limited (BLERPL) to 400/220 kV Pachora GSS (Length: 3.389 km)		
S. No	Reference No.	Dated
(i)	NIL (received on 27.12.2024)	NIL
(ii)	BSNL: NO. IC/MBI/PTCC/MP	10.03.2025
(iii)	Western Railway: SG.158/28/10/L-327	25.02.2025
(iv)	West Central Railway: WCE/N-HQ/120 PTCC-T-50-Pt-III-Caes-448	24.04.2025
(v)	Defense: B/46937/Sigs-7(b)/4394	27.03.2025

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (ii), GM (S&T), Western Railway vide reference (iii), GM (S&T), West Central Railway vide reference (iv) and ADG (Telecommunication), Ministry of Defense vide reference (v) has submitted their NOC for charging of the line.

EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 kV PSS of M/s BLERPL	172.75	44.1	0.2198	3721	2403	66	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 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.	M/s Blue Leaf Energy Renewables Private Limited	7 th Floor, Urmi Axis Building, Famous Studio Lane, Mahalaxmi, Mumbai – 400 011