



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-544		
Induced Voltage (IV) calculation for PTCC proposal of 33 kV S/C line for Feeder-3 on S/C and D/C Pole structure from 33/0.95 kV wind farm unit substation tapping point BLE-104 to 220/33 kV Wind Power Pooling Substation of M/s Blue Leaf Energy Renewable Private Limited at Village Chikaili Parmar, Agar Malwa (Length: 21.7 km)		
S. No	Reference No.	Dated
(i)	BLERPL/PTCC/33KV/F-4/4.3	10.02.2025
(ii)	Blueleaf E-mail	16.04.2025
(iii)	Blueleaf Letter: NIL	27.05.2025
(iv)	BSNL: IC/MBI/PTCC/MP	15.05.2025
(v)	West Central Railway: WCR/N-HQ/120 PTCC-T-50-Pt-III Caes-463	08.05.2025

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (PTCC), WZ, BSNL vide reference (iv) and GM (S&T), West Central Railway 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 Wind Power PSS of M/s BLERPL at Village Chikaili Parmar, Agar Malwa	96.92	30.609	0.5	3353	2185	115	51
33/0.95 kV wind farm unit substation tapping point	7.43	6.3625	1.93	205	133	6	2

Telecommunication details from DG Signals, MoD are awaited however, vide reference (iii) above, M/s BLERPL has informed that all the construction related activities has completed and line is awaiting energization due to want of PTCC approval. M/s BLERPL has requested for issuance of provisional PTCC clearance and has given an undertaking that *“If charging the line causes any issues with Telecom systems or Defence-related equipment or personnel, we promise to take full responsibility and carry out any required corrective actions. No other organization will be held liable for such actions”*.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

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.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi-110 105	With a request to submit the Telecom Details/ NOC so that final RAC could be processed.
3.	M/s Blue Leaf Energy Renewables Private Limited	Rapkos Engine, Lotus Star, Plot No. D-5, Road No. 20, Marol MIDC, Andheri East, Mumbai – 400 093	Copy for information