



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-1299		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C line from 220/33 kV 350 MW Solar Power Pooling Substation of M/s TEQ Green Power XI Private Limited at Beed, Maharashtra to Solar feeder comprising of 07 No. of 0.6/0.6/33 kV IDTs at Paragaon Ghumra village, Beed (Length: 5.8 kms).		
S. No	Reference No.	Dated
(i)	TGPXIPL/CEA/33KVPTCC/Washi/24-25/145	17.03.2025
(ii)	TGPXIPL/CEA/33KVPTCC/Washi/25-26/039	06.06.2025
(iii)	BSNL: No. IC/MBI/PTCC/MRA-2710/03	11.06.2025
(iv)	Central Railway: N.705/T/PTCC/33kV/MAH-947	27.05.2025

The PTCC proposal submitted vide reference (i) has been examined. DET, PTCC (WZ), BSNL vide reference (iii) and GM (S&T), Central railway 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 350 MW Solar Power Pooling Substation of M/s TEQ Green Power XI Private Limited at Beed, Maharashtra	163	35	0.633	8210	5376	351	197

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, M/s TGPXIPL has informed that all the construction related work has been completed and the plant is awaiting charging due to want of PTCC approval. M/s TGPXIPL has requested for issuance of provisional PTCC clearance and has given an undertaking that "In case of any impact on the telecom assets/ personnel of Defense due to charging of this transmission line, TEQ Green Power XI Private Ltd. will take all necessary actions for its remediation and no other utility/ organization shall be held liable for this".

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 TEQ Green Power XI Private Limited	2 nd Floor, Square One Mall, Saket Business District, Court Chowk, Pushp Vihar, New Delhi – 110 017	Copy for information