



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-1242		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C Wind Feeder-01 on RSJ Pole with partly on Dog and partly on Panther conductor from 220/33 kV 350.1 MW Wind Energy Pooling Substation of M/s TEQ Green Power XI Private Limited, Dakshed/ Pachangri Village, Patoda, Beed District to 33 kV Unit Substation of WTG generator located at Dakshed, Borkhed, Pachegaon village in Beed District. (Length: 18 kms).		
S. No	Reference No.	Dated
(i)	CEA/PTCC/33 kV/TGPXIPL-350.1 MW/Wind-Feeder-01/02/2024	19.02.2024
(ii)	TEQ E-mail:	11.07.2024
(iii)	BSNL: IC/MBI/PTCC/MRA-2624/02	26.06.2024
(iv)	Central Railway: N.153/PTCC/33kV/MAH-872	09.05.2024
(v)	Defense: B/46937/Sigs 7(b)/3781	04.06.2024

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (PTCC), WZ, BSNL vide reference (iii), GM (S&T), Central Railway vide reference (iv) and DG Signals, 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 PSS for 350.1 MW Wind Power Plant, Dakshed/ Pachangri, Beed	57.12	28	0.36	1281	828	25	NA
33 kV Unit Substation of WTG generator for Wind feeder No. 1	33.54	25	0.36	668	431	10	NA

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

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 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