

I/34574/2024



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-1227		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission line From TEQ Green Power 321.6 MW Wind Power Plant to PGCIL 400/220 kV Kallam Substation, Beed, Maharashtra (40.0 km)- regd.		
S. No	Reference No.	Dated
(i)	CEA/PTCC/TGPXIPL-321.6 MW/01/08/2023	30.08.2023
(ii)	BSNL: IC/MBI/PTCC/MRA-2616/03	19.03.2024
(iii)	Central Railway: N.153/PTCC/220kV/MAH-868	13.02.2024
(iv)	Defense: B/46937/Sigs 7(b)/3532	07.11.2023

The PTCC proposal submitted vide reference (i) has been examined.

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 of the subject cited transmission 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 PSS for 321.6 MW Wind Power Plant, Dakshed/ Pachangri, Beed	57.12	28	0.36	1281	828	25	NA

As per the details submitted by BSNL vide reference (ii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

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

Chief Engineer

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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.	AVP - Power Evacuation, TEQ Green Power XI Private Limited	2nd Floor, Square One Mall, Saket Business District, Court Chowk, Pushp Vihar, New Delhi-110017	Copy for information