

I/32930/2024



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : MRA-1216		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line on D/C tower from proposed 220/33 kV Pooling Substation, Patoda, Beed to proposed 400/220 kV Kallam SS (ISTS), Osmanabad (52.192 km)		
S. No	Reference No.	Dated
(i)	RG(MO)PL/Patoda CTU/PTCC/220kVline/23-24/E/001	17.08.2022
(ii)	BSNL: IC/MBI/PTCC/MRA-2594/04	26.10.2023
(iii)	Central Railway: N.153/PTCC/220kV/MAH-847	20.12.2023
(iv)	Defense: B/46937/Sigs 7(b)/3506	02.11.2023

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

BSNL vide reference (ii) above has informed that no telecom cable of BSNL is falling within the 8 km boundary of proposed transmission line. GM (S&T), Central railway, vide reference (iii), and DG Signals, MoD, vide reference (iv) above, have issued 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 Pooling Substation, Patoda	71.5	24	0.235	866	549	NA	NA
400/220 kV Substation, Kallam	214.7	43.2	0.336	7033	4580	231	97

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

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line may be taken under intimation to this office.

Director

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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.	M/s Renew Green (MHP One) Private Limited	Renew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram	Copy for information