



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. : UP-610		
Induced Voltage(IV) calculation for PTCC proposal of 220 kV D/C Meerut(765 kV) to Mawana Transmission Line [Length-18.291 km] - Regd.		
S. No	Reference No.	Dated
(i)	UPPTCL: 202/ETD-II(MRT)/PTCC220kVD/C Meerut(765)-MawanaLine	07.02.2023
(ii)	UPPTCL: 1041/ETD-II(MRT)/PTCC220kVD/C Meerut(765)-MawanaLine	22.08.2023
(iii)	BSNL: DET/PTCC/ND/DV-10384/UP-1199/2023-2024	16.07.2024
(iv)	Northern Railway: 342-SG/1/PTCC/N/2022-23/02/04	20.02.2023
(v)	Defense: B/46937/Sigs7(b)/3236	03.05.2023

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET (NZ), BSNL vide reference (iii), Northern Railway vide reference (iv) and DG Signals, MoD vide reference (v) have issued No Objection Certificate (NOC) for charging of 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 kV Mawana S/s	68	40	0.1	565	350	NA	NA

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

Encl.: As above

Signed by Suman Kumar
Maharana
Date: 23-07-2024 15:19:15

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi	
2.	UPPTCL	ETDII, Parveshan Bhawan Victoria Park, Meerut	