



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. : PNB-388		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV D/C Transmission Line from 400 kV Dhanasu S/s to 220/33 kV Tata Steel Plant (Kadiana Khurd) S/s. [Length-4.889 km] - Regd.		
S. No	Reference No.	Dated
(i)	PSTCL: 3736/TS-II	05.03.2024
(ii)	PSTCL: e-mail	25.03.2025
(iii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10469/PB-951/2024-2025	06.03.2025
(iv)	Northern Railway: 342-SIG/1/PTCC/N/2024-25/05/01	14.05.2024
(v)	Defense: B/46937/Sigs7(b)/3776	16.05.2024

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET-PTCC NZ,BSNL vide reference (iii), AESTE, Northern Railways vide reference (iv) and DG Signals, MoD vide reference (v) have issued No Objection Certificate (NOC).

EPR zone for proposed 220 kV S/S 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 kV Tata Steel Plant S/s	50	48	0.16	843	541	5	N.A

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	Addl. SE/TS-II PSTCL	O/o Chief Engineer TS 3 rd Floor, Shakti Sadan, Patiala	Copy for information.