



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**

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CEA Case No. : UTR-32		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV D/C Baram to Jauljivi Transmission Line on D/C Tower [Length-12.581 km] - Regd.		
S. No	Reference No.	Dated
(i)	PTCUL: 114/EE-PI-Baram/PTCUL	21.12.2024
(ii)	PTCUL: e-mail	20.03.2025
(iii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10486/UTR-039/2024-2025	10.03.2025
(iv)	Northern Railway: 342-SIG/1/PTCC/2024-25/03/04	10.03.2025
(v)	Defense: B/46937/Sigs7(b)/4316	20.01.2025

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

EPR zone for 220 kV proposed 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 Baram S/s	56	20.6	1.9	5041	3316	257	163

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.	Executive Engineer PTCUL	PTCUL, Baram Pithoragarh	Copy for information.