



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. : WB-157		
Induced Voltage (IV) calculation for PTCC proposal of LILO of 220 kV D/C Birpara to Alipurduar Transmission Line at proposed 220/132 kV Falakata S/s [Length-4.066km] - Regd.		
S. No	Reference No.	Dated
(i)	WBSETCL: TR.PROJ./T-64/202	26.06.2024
(ii)	WBSETCL: e-Mail	11.07.2024
(iii)	BSNL: DET/PTCC/ER/EWB110820235153/IV/1	13.03.2024
(iv)	Northeast Frontier Railway: N/146/2/10Pt.VI(TC)	02.05.2024
(v)	Defense: B/46937/Sigs7(b)/3821	21.05.2024

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET-PTCC (EZ), BSNL vide reference (iii), Northeast Frontier 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 substation is 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 Falakata S/s	88	40	0.185	1426	914	5	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

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Eastern Zone	BSNL QA & Inspection Circle, QA Bhawan, EP-GP Block, Sector-V Kolkata	
2.	Chief Engineer (Projects-II), WBSETCL	Sector-II, Salt Lake City Kolkata	