



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. : RAJ-757		
Induced Voltage (IV) Calculation for PTCC proposal of 220 kV S/C transmission line from 220/33 kV PSS of M/s XL Xergi Power Private Limited to 765/400/220 kV Fatehgarh-III S/s of PGCIL (Length: 6.46 kms).		
S. No	Reference No.	Dated
(i)	CEA/PTCC/XL XERGI-400MW/01/08/2024 (received on 20.09.2024)	28.08.2024
(ii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10452/RAJ-1529/2024-25	13.01.2025
(iii)	North Western Railway: SG/158/NWR/PTCC/993	17.09.2024
(iv)	Defense: B/46937/Sigs 7(b)/4153	14.11.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), NZ, BSNL vide reference (ii), Dy. CSTE, North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has given their NOC for charging 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
220/33 kV PSS of M/s XL Xergi Power Private Limited	57.11	28	0.36	1286	831	25	0

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.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

Encl.: As above

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.	M/s XL Xergi Power Private Limited	Plot No. 152, Sector-44, Gurugram-122002