



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-767		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line from ReNew Surya Vihaan Pvt. Ltd. To PGCIL Fatehgarh-3 at Bay No-225 [Length-12.606 km] - Regd.		
S. No	Reference No.	Dated
(i)	M/s ReNew Surya Vihaan Private Ltd: Letter	07.11.2024
(ii)	M/s ReNew Surya Vihaan Private Ltd: e-Mail	12.02.2025
(iii)	BSNL: DET/PTCC/NZ/BSNL-TD/DV-10463/Raj-1534/2024-25	04.02.2025
(iv)	North Western Railway: SG/158/NWR/PTCC/1023	13.01.2025
(v)	Defense: B/46937/Sigs7(b)/4313	20.01.2025

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET (NZ), BSNL vide reference (iii), North Western 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 ReNew Surya Vihaan S/s	63	30	1.01	4376	2874	210	128

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.

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.	M/s ReNew Surya Vihaan Private Ltd	ReNew Hub Commercial Block-1 Zone-6, DLF City Phase-V, Gurugram