



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-777		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C Transmission Line on M/C Tower from 400 kV PSS-I of 900 MW Solar Power Project at Fatehgarh-III to 765 kV PGCIL GSS at Fatehgarh-III [Length-12.5 km] - Regd.		
S. No	Reference No.	Dated
(i)	Serentica Renewables India 1 Pvt Ltd: Serentica/PTCC-TL01/2023-24	02.01.2025
(ii)	Serentica Renewables India 1 Pvt. Ltd.: e-Mail	11.06.2025
(iii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10541/RAJ-1590/2025-26	04.06.2025
(iv)	North Western Railway: SG/158/NWR/PTCC/1026	22.01.2025
(v)	Defense: B/46937/Sigs7(b)/4205	16.01.2025

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

EPR zone for 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
400 kV PSS-I at Fatehgarh	143	54.81	0.11	1862	1183	N.A	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.

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 PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	Authorized Personal	M/s Serentica Renewables India 1 Pvt. Ltd. DLF Cyber Park, Sector-20, Gurugram	Copy for information.