



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.: RAJ-891

**Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C Transmission Line from Sunbreeze Renewables Nine Pvt. Ltd. RE Power Park RSS2 to Sunbreeze Renewables Nine Pvt. Ltd. RE Power Park PSS2 (Length: 7.5 km) – Regd.**

S. No	Reference No.	Dated
(i)	M/s Sunbreeze Renewables Nine Pvt. Ltd.: CEA/PTCC/SUNBREEZE-400kV/RSS2-PSS2/TL/06/25	15.07.2025
(ii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10744/RAJ-1743/2026-27	10.04.2026
(iii)	North Western Railway: SG/158/NWR/PTCC/1208	06.10.2025
(iv)	Defense: B/46937/Sigs7(b)/4994	27.01.2026

The PTCC proposal submitted vide above references (i) has been examined. DET(PTCC), NZ BSNL vide reference (ii), Dy. CSTE, NWR vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their respective No Objection Certificate (NOC).

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 PSS2	57	40	0.5	2594	1697	106	NA
220 kV RSS 2	52	40	0.5	2367	1548	88	NA

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

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

Digitally signed by  
 Suman Kumar Maharana  
 Date: 21-04-2026  
 16:32:39  
 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-110001	
2.	Project Development Manager	M/s Sunbreeze Renewables Nine Pvt. Ltd. DSM-648, 5 <sup>th</sup> Floor, DLF Tower Karam Pura, New Delhi	Copy for information.