



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-786		
<b>Induced Voltage (IV) Calculation for PTCC proposal of 220 kV S/C Transmission Line on M/C &amp; D/C Towers from CTUIL's Fatehgarh IV GSS to 220/33 kV 300 MW Solar Power PSS of M/s Ampin Green Eight, Ten &amp; Three Hybrid Power Project at Balai Village Sheo Tehsil, Barmer (Length: 10 km) - Regd.</b>		
S. No	Reference No.	Dated
(i)	NIL (received on 06.03.2025)	NIL
(ii)	E-mail	27.03.2025
(iii)	E-mail	10.04.2025
(iv)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10538/Raj-1588 /2025-26	13.05.2025
(v)	North Western Railway: SG/158/NWR/PTCC/1020	30.12.2024
(vi)	Defense: B/46937/Sigs 7(b)/4328	06.02.2025

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), NZ, BSNL vide reference (iv), Deputy CSTE, North Western Railway vide reference (v) and ADG (Telecommunication), Ministry of Defense vide reference (vi) 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 300 MW Solar Power PSS of M/s Ampin Green Eight, Ten & Three Hybrid Power Project at Balai Village Sheo Tehsil, Barmer	90.28	35.35	0.1429	970	611	NA	NA

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 111<sup>th</sup> and 112<sup>th</sup> 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.	M/s Ampin Green Energy Private Limited	309, 3rd Floor, Rectangle one behind Sheraton Hotel Saket, New Delhi- 110017