



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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<b>CEA Case No. : GUJ-920</b>		
<b>Induced Voltage (IV) Calculation for PTCC proposal of 220 kV S/C line on D/C towers from 220/33 kV 150 MW Solar PSS of M/s Ayana Renewable Power Four Private Limited, Village Zura, Bhuj, District-Kutch to 765/400/220 kV Bhuj PSS (Length: 2.1 km)</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	SWEPL/PTCC/2024-25/001	03.02.2025
(ii)	BSNL: IC/MBI/PTCC/GUJ/2025-26	07.04.2025
(iii)	Western Railway: SG.158/28/12/1457	25.02.2025
(iv)	Defense: B/46937/Sigs 7(b)/4520	15.04.2025

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (ii), GM (S&T), Western Railways vide reference (iii) and ADG (Telecommunication), MoD vide reference (iii) have given their NOC for charging the line.

EPR Zones for proposed substations are 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 7 kV	d (mts) at 10 kV
220/33 kV 150 MW Solar PSS of M/s ARPFPL Village Zura, Bhuj,	110.81	20.3	0.2968	1442	916	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), Western Zone	QA & Inspection circle, 1st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	M/s Ayana Renewable Power Four Private Limited	S-2904, 29 <sup>th</sup> Floor, World Trade Center, brigade Gateway Campus, #26/1, Dr Rajkumar Road, Malleswaram – Bengaluru

