



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. : GUJ-909		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line on D/C towers from 220/33 kV PSS of M/s Ayana Renewable Power Four Private Limited at Devsar Village, Nakhatrana Taluka, Kutch to 220 kV Bhuj SS by partially utilizing existing towers of 220 kV S/C line on D/C line from ReNew Power PSS to 220 kV Bhuj-PSS (Length: 36.2 km = 4.92 km (New) + 31.28 km (existing))		
S. No	Reference No.	Dated
(i)	ARPFPL/140MW/PTCC/2024/1	24.10.2024
(ii)	Ayana E-mail	06.01.2025
(iii)	Ayana E-mail	07.04.2025
(iv)	BSNL: NO. IC/MBI/PTCC/GUJ-3055	29.04.2025
(v)	Western Railway: SG.158/28/12/1457	25.02.2025
(vi)	Defense: B/46937/Sigs-7(b)/4560	22.04.2025

The PTCC proposal submitted vide reference (i), (ii) and (iii) has been examined. DET (PTCC), WZ, BSNL vide reference (iv) and GM (S&T), Western Railway vide reference (v) and ADG (Telecommunication), Ministry of Defense vide reference (vi) has submitted their NOC for charging of the line.

EPR zone for the proposed substation 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
220/33 kV PSS of M/s ARPFPL at Devsar Village, Nakhatrana Taluka, Kutch	160.4	35.910	0.13	1581	992	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 111th and 112th 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, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	M/s Ayana Renewable Power Four Private Limited	S2904, 29 th Floor, World Trade Center, Brigade Gateway Campus, #26/1, Dr Rajkumar Road, Bengaluru