



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-942</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of LILO of 220 kV D/C KAPP-Vapi Transmission Line at 400 kV Vapi S/s on M/C &amp; D/C Towers. (Length-4.56 km)- regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	GETCO: CE(Project)/EE(TR-II)/T-5/565	18.02.2025
(ii)	GETCO: e-mail	03.06.2025
(iii)	BSNL : IC/MBI/PTCC/GUJ/2025-26	07.04.2025
(iv)	Western Railway: SG.158/28/12/1465	20.03.2025
(v)	Defense: B/46937/Sigs-7(b)/4565	23.04.2025

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET-PTCC WZ, BSNL vide reference (iii), Dy.CSTE Western Railway vide reference (iv) & DG Signals, MoD vide reference (v) have issued their 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
400kV Vapi S/s	95	33.47	0.13	866	541	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 <sup>st</sup> floor, D-wing, BSNL Bldg., Santa Cruz (West), Mumbai-400054	
2.	Chief Engineer (Projects)- GETCO	Sardar Patel Vidyut Bhawan, Race Course GETCO, Vadodara	Copy for information