



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. : WB-161</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of LILO of 400 kV D/C Gokarna to New Chanditala Transmission Line at proposed 400 kV Satgachia S/s [Length-5.35 km] - Regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	WBSETCL: BWNFZO/T-8H/209	31.01.2025
(ii)	WBSETCL: e-Mail	14.05.2025
(iii)	BSNL: DE/ER/PTCC/EWB31012025657/CEA/01	09.05.2025
(iv)	Eastern Railway: SG.241/PTCC	05.03.2025
(v)	Defense: B/46937/Sigs7(b)/4468	09.04.2025

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET-PTCC (EZ), BSNL vide reference (iii), Eastern Railway vide reference (iv) and DG Signals, MoD vide reference (v) have issued No Objection Certificate (NOC) for charging of the line.

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 earth mat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400 kV Satgachia S/s	97	50	0.0835	845	526	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), Eastern Zone	BSNL QA & Inspection Circle, QA Bhawan, EP-GP Block, Sector-V, Kolkata	
2.	Additional Chief Engineer, WBSETCL	Burdwan field zone office Spandan complex, PurbaBurdhaman	