



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. :MRA-1336		
Induced Voltage (IV) calculation for PTCC proposal of LILO of 220 kV D/C Beed – Manjarsumba Transmission Line at proposed 220 kV Sarul S/s. (Length-18.057 km)- regd.		
S. No	Reference No.	Dated
(i)	MSETCL: MSETCL/CO/PS/PTCC/IN/B-627/09737	12.11.2025
(ii)	MSETCL: E-mail	23.02.2026
(iii)	BSNL :IC/MBI/PTCC/MRA-2762/03	10.02.2026
(iv)	Central Railway :N.705/T/PTCC/220kV/MAH-999	02.02.2026
(v)	Defense : B/46937/Sigs-7(b)/5362	04.02.2026

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

EPR Zones for proposed substation is mentioned below:

Name of the proposed S/s	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650V	d (mts) at 7 kV	d (mts) at 10kV
220 kV Sarul S/s	116.69	35	0.163	1431	907	N.A	N.A

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of provisional 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.

Digitally signed by  
 Suman Kumar Maharana  
 Date: 06-03-2026  
 13:12:39  
 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	
3.	Chief Engineer	O/o Chief Engineer Projects Schemes, CO, MSETCL	Copy for information