

I/34415/2024



सत्यमेव जयते

**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत संचार विकास प्रभाग**  
**Power Communication Development Division**

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CEA Case No. : MRA-1233		
Induced Voltage (IV) calculation for PTCC proposal of LILO of one circuit of 220 kV Bhaveghar – Wada D/C line at 220 kV Nichole (INOX) S/s, Wada (Length: 0.578 km)		
S. No	Reference No.	Dated
(i)	MSETCL/CO/PS/PTCC/InB-599/08247	29.11.2023
(ii)	INOX E-mail:	11.03.2024
(iii)	MSETCL E-mail	12.03.2024
(iv)	BSNL: IC/MBI/PTCC/MRA/01	07.03.2024
(v)	Western Railway: SG.158/28/09/335	26.12.2023
(vi)	Defense: B/46937/Sigs 7(b)/3614	31.01.2024

The PTCC proposal submitted vide reference (i), (ii) and (iii) has been examined.

BSNL vide reference (iv) above has informed that no telecom cable of BSNL is falling within the 8 km boundary of proposed transmission line. GM (S&T), Western railway vide reference (v) and DG Signals, MoD, vide above reference (vi) above has issued 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 kV Nichole (INOX) S/s	56.3	25700	0.708	2326	1520	90	46

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

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line may be taken under intimation to this office.

Encl.: As above

**Chief Engineer**

I/34415/2024

**To,**

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 <sup>st</sup> floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054	
2.	Chief Engineer (Projects Schemes)	MSETCL, Mumbai	Copy for information