



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. : MP-503</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of LILO of both circuits of 220 kV Satna – Chhatarpur line at 220 kV Ajaygarh S/s (Line-A) (Length: 3.658 km) – regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	MPPT2L/JBP/PTCC/408	26.07.2023
(ii)	BSNL: TM/PTCC/RA-1/MP-1054 (received on 25.04.2024)	28.03.2024
(iii)	North Central Railway: एन सी आर/ एस एण्ड टी/2074/टेलिकॉम/पी.टी.सी.सी. (पार्ट-2)	29.12.2023
(iv)	Defense: B/46937/Sigs 7(b)/3474	29.09.2023

The PTCC proposal submitted vide reference (I) has been examined. DET, PTCC (WZ), BSNL vide reference (ii), CCE, North Central Railway vide reference (iii) and DG Signals, MoD vide reference (iv) have issued their No Objection Certificate (NOC) for charging of the transmission line..

EPR Zones for proposed substations are 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
220 kV Ajaygarh S/s	117.15	32.5	0.16945	1383	875	NA	NA

As per the details submitted by BSNL vide reference (ii) above, no telephone exchange is falling in the EPR zone of the proposed substations.

Taking the above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

**Chief Engineer**

**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.	MP Power Transmission Package-II Limited	House No.- 5/1006, Near Nachiketa School, Vijay Nagar, Jabalpur – 482 002	Copy for information