

I/33813/2024



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. : UP-636		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV Narrow Base D/C Transmission Line from YEIDA, Sector 24 to M/s VIVO S/s [Length- 0.237 km] - Regd.		
S. No	Reference No.	Dated
(i)	UPPTCL: 1309/EE/GN	03.11.2023
(ii)	UPPTCL e-mail	07.02.2024
(iii)	BSNL: DET/PTCC/ND/DV-10306/UP-1168/2023-2024	05.02.2024
(iv)	Northern Railway: 342-SIG/1/PTCC/2023-24/12/04	20.12.2023
(v)	Defense: B/46937/Sigs7(b)/3596	14.01.2024

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (NZ), BSNL vide reference (iii), Northern 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 substations are 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
220 kV Sector-24 S/s.	120	40	0.05	438	249	NA	NA
220 kV M/s VIVO S/s.	66.6	40	0.05	243	138	NA	NA

As per the Telecom Details submitted by BSNL vide above reference (iii) no telephone exchange of BSNL is falling within the EPR zone of proposed Substations.

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

Encl.: As above

**Chief Engineer**

I/33813/2024 To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	Executive Engineer UPPTCL	Electricity 400 kV S/S Division Gr. Noida	For Information