



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. : RAJ-859</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C Transmission Line from 400kV PSS of M/s Aditya Birla 650 MW Power Plant to PGCIL 765 kV Faehgarh-III PSS (Length: 33.148 km) – Regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	M/s Aditya Birla Renewables Subsidiary Limited: CEA/PTCC/Adityabirla-400kV/TL/04/2025	05.05.2025
(ii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10711/RAJ-1717/2025-26	06.03.2026
(iii)	North Western Railway: SG/158/NWR/PTCC/1137	24.06.2025
(iv)	Defense: B/46937/Sigs7(b)/4826	12.08.2025

The PTCC proposal submitted vide above references (i) has been examined. DET(PTCC), NZ BSNL vide reference (ii), Dy. CSTE, NWR vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their respective No Objection Certificate (NOC).

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 earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400 kV PSS	45	40	0.36	1884	1227	61	NA

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 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

**Chief Engineer**

**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.	Project Development Manager	M/s Aditya Birla Renewables Subsidiary Limited A-4, S.K Ahire Marg, Worli Mumbai	Copy for information.