



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

CEA Case No. : RAJ-764		
Induced Voltage (IV) Calculation for PTCC proposal of 400 kV S/C line on D/C tower from 400/33 kV PSS at Siyamber village of M/s Adani Renewable Energy Holding Four Limited to 765/400 kV Ramgarh PS of PGCIL (Length: 46.636 kms).		
S. No	Reference No.	Dated
(i)	AREH4L/PTCC/24-25/Siyamber/001	14.09.2024
(ii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10425/Raj-1517/2024-25	02.12.2024
(iii)	North Western Railway: SG/158/NWR/PTCC/1006	11.11.2024
(iv)	Defense: B/46937/Sigs 7(b)/4199	11.12.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), NZ, BSNL vide reference (ii), Dy. CSTE, North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has given their NOC for charging 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 earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400/33 kV PSS at Siyamber village of M/s AREH4L	119.5	44.1	0.5	6008	3934	257	144

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.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi-110001
2.	M/s Adani Renewable Energy Holding Four Limited	Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S G Highway, Khodiyar, Ahmedabad – 382 421