



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. : GUJ-887		
Induced Voltage (IV) Calculation for PTCC proposal of 400 kV S/C line on D/C tower from 400 kV 1050 MW PSS of M/s AGEL to 400 kV Khavda PS (Length: 10.094 km)		
S. No	Reference No.	Dated
(i)	AGEL/Khavda/PTCC/2024/06	22.05.2024
(ii)	BSNL: IC/MBI/PTCC/GUJ-2972	03.09.2024
(iii)	Western Railway: SG.158/28/12/1399	13.06.2024
(iv)	Defense: B/46937/Sigs7(b)/3970	28.08.2024

The PTCC proposal submitted vide reference (i) has been examined. DET, PTCC (WZ), BSNL vide reference (ii), GM (S&T), Western Railway vide reference (iii) and DG Signals, MoD vide above reference (iv) have issued their 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 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 1050 MW PSS of M/s AGEL	121.97	63	0.3	5239	3425	207	109

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office.

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), Western Zone	QA & Inspection circle, 1st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	M/s Adani Green Energy Limited	Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S G Highway, Khodiyar, Ahmedabad – 382 421