



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-882		
Induced Voltage (IV) Calculation for PTCC proposal of 400 kV S/C line on D/C and multi circuit tower from 765/400 kV Khavda PS-1 (KPS-1) to proposed 400 kV Hybrid Power Project PSS-5 of M/s Adani Green Energy Limited (Length: 8.35 km)		
S. No	Reference No.	Dated
(i)	AGEL/Khavda/PTCC/2024/02	03.05.2024
(ii)	BSNL: IC/MBI/PTCC/GUJ-2964	25.06.2024
(iii)	Western Railway: SG.158/28/12/1390	17.05.2024
(iv)	Defense: B/46937/Sigs 7(b)/3915	11.07.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (iii), GM (S&T), Western Railway vide reference (iv) and DG Signals, MoD vide reference (v) 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
765/400 kV Khavda Pooling Station-I	127.9	37.8	0.4	4369	2847	148	65
400 kV Hybrid Power Project PSS-5 of M/s AGEL	121.95	63	0.00798	21	NA	NA	NA

As per the details submitted by BSNL vide above reference (ii), No Telephone exchange is falling in the EPR

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

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st 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, G Highway, Khodiyar, Ahmedabad – 382 421	Copy for information