



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-1099		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C line from 400/33 kV 1361 MW PSS, North Block RE park of M/s GSECL to Khavda Pooling Substation -2 (KPS-II) of PGCIL (Length: 3.614 kms)		
S. No	Reference No.	Dated
(i)	GSECL/P&P/RE2/Khavda/NBPS/PTCC/279	19.12.2025
(ii)	BSNL: IC/MBI/PTCC/Offline/GUJ – 3186	09.01.2026
(iii)	Western Railway: SG.158/28/12/1729	01.01.2026
(iv)	Defense: B/46937/Sigs-(b)/5506	12.02.2026

The PTCC proposal submitted vide reference (i) has been examined. As per the Telecom Details submitted by BSNL vide above reference (ii), there is no copper cable or armoured OFC within 8 km boundary of the proposed route. GM (S&T), Western Railway, vide reference (iii), and ADG (Telecom) MoD, vide reference (iv), have issued their No Objection Certificates (NOCs) for charging of the line.

EPR zone for proposed S/s is mentioned below:

Name of the proposed Substation	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
400/33 kV 1361 MW PSS, North Block RE park of M/s GSECL	83.02	63	0.004	NA	NA	NA	NA

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), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Juhu Tara Road, Santacruz (West), Mumbai-400054	
2.	M/s GSECL	Vidyut Bhawan, Race Course, Vadodara	Copy for information.