



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-928		
Induced Voltage (IV) calculation for PTCC proposal of 33 kV above ground cable using 1R x 3C x 300 sqmm (9.454 kms) / 3R x 3C x 500 sqmm (3.545 kms) size cable from sub-pooling station board name – 61.6 MW Panel Type -2 (ICR Block No. 04, 09, 14, 19) to GIPCL 400/33 kV PSS for 600 MW Solar PV Plant of GIPCL at Khavda RE Park, Rann of Kutchh, Gujarat (Length: 12.999 km)		
S. No	Reference No.	Dated
(i)	GIPCL/PTCC/West/61.6/T4/01	11.02.2025
(ii)	BSNL: NO. IC/MBI/PTCC/GUJ /2025-26	07.04.2025
(iii)	Western Railway: SG.152/28/12/1479	20.03.2025
(iv)	Defense: B/46937/Sigs-7(b)/4552	17.04.2025

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), WZ, BSNL vide reference (iii) and GM (S&T), Western Railway vide reference (iv) has submitted their NOC for charging of the line.

EPR zone for the proposed substation 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 7kV	d (mts) at 10kV
400/33 kV PSS for 600 MW Solar PV Plant of GIPCL at Khavda RE Park, Rann of Kutchh	117.4	60.842	0.02	215	102	NA	NA
Sub-Pooling SS	75	19.6	0.003	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.

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
3.	GM (RE Projects)	Gujarat Industries Power Company Limited, PO Ranoli, Vadodara – 391 350