



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-885		
Induced Voltage (IV) Calculation for PTCC proposal for 400 kV S/C line on D/C and M/C towers from Khavda (KPS-II) to PS-1 of GIPCL (Length: 9.73 km)		
S. No	Reference No.	Dated
(i)	GIPCL/2375MW/PTCC/PS2/307	10.05.2024
(ii)	BSNL: IC/MBI/PTCC/GUJ-2967	03.09.2024
(iii)	Western Railway: SG.158/28/12/1392	05.06.2024
(iv)	Defense: B/46937/Sigs7(b)/3933	11.07.2024

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) (enclosed as Annexure-I) 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
765 kV Khavda (KPS-II) SS	179.7	37.202	0.0095	NA	NA	NA	NA
400/33 kV PS-1 of M/s GIPCL	117.4	60.842	0.02	215	102	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, 1st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai-400054
2.	GM (RE Projects)	Gujarata Industries Power Company Limited, PO Ranoli, Vadodara – 391 350

Directorate General of Signals
 Signals 7
 General Staff Branch
 Integrated HQ of MoD, (Army)
 DHQ PO, New Delhi – 110011

GUJ-885

B/46937/Sigs 7(b)/3933/

Jul 2024

General Manager (RE Projects)
 Gujarat Industries Power Company Ltd
 P.O. Ranoli-391350, Dist Vadodara
 Gujarat, India

**PTCC ROUTE APPROVAL FOR 400KV GIPCL PS1 TO KPS2 TRANSMISSION
 LINE OF GIPCL 2375MW SOLAR/WIND/HYBRID RENEWABLE ENERGY PARK
 AT KHAVDA, TAL: BHUJ, DISTRICT KUTCH, GUJARAT**

1. Refer your letter No GIPCL/2375MW/PTCC/PS1/306 dt 10 May 2024 (copy att).
2. **No Objection Certificate (NOC) is accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(Puneet Lakhanpal)
 Lieutenant Colonel
 General Staff Officer Grade 1 (Communication)
 for Additional Director General (Telecommunication)

Enclosures : As above

Copy to :-

Chief Engineer, PSCD Division
 Central Electricity Authority
 Room No 702 (North Wing)
 Sewa Bhawan, R.K. Puram, Sector-1
 New Delhi-110066

The DET(PTCC), Northern Zone
 Bharat Sanchar Nigam Limited
 O/o PGM (North), QA & Inspection Circle,
 D-Tax Building, Eastern Court, Janpath
 New Delhi-110001

- for information

केन्द्रीय विद्युत प्राधिकरण
 पी.सी.डी. प्रभाग
 डायरी संख्या... 897
 दिनांक... 29/7/24

Sh Anshy (DD)
 29/7