



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**

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<b>CEA Case No.: KNK-1017</b>		
<b>Induced Voltage (IV) calculation in respect of PTCC proposal for LILO of both circuits of 220 kV DC Kemar - Kavoor line at 400/220 kV KPTCL Kadandale RS, Dakshina Kannada Distt. (5.247 km)- regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	KPTCL: CEE/SLDC/PTCC/F-3487/6386-95	03.11.2022
(ii)	KPTCL: Email_EMD_Parameters	20.12.2025
(iii)	BSNL: SR-PTCC/SKT-4377/5	12.12.2025
(iv)	Konkan Railway: कोरे/सि.ओ./एस.जी./पी टी सी सी /भाग -XIV	10.04.2023
(v)	Defense: B/46937/Sigs 7(b)/3107	03.01.2023

The PTCC proposal submitted vide above references (i) and (ii) has been examined. DET (PTCC), SZ vide reference (iii), Konkan Railway vide reference (iv) and DG Signals, MoD vide reference (v) have issued their No Objection Certificate (NOC).

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
400/220 kV Kadandale SS	235	31.5	0.3	4930	3182	82	NA

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

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), Southern Zone	BSNL, Inspection Circle, 2 <sup>nd</sup> Floor, Sanchar Complex, WMS Compound, Jayanagar 5 <sup>th</sup> Block, 9 <sup>th</sup> Main, 47 <sup>th</sup> Cross, Bangalore-560041	
2.	CSTE (Konkan Railway)	Belapur Bhavan, Sector- 11, CBD Belapur, Navi Mumbai 400 614	
3.	Member (Power) SLPTCC	Chief Engineer Electricity, SLDC #28, Race Course Cross Road, Bengaluru - 560009	Copy for Information