

I/33023/2024



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : TNG-146		
Induced Voltage (IV) calculation in respect of PTCC proposal for 220 kV D/C line from proposed 220/132/33 kV Chandanvally (TSIIC) S/s to proposed 220 kV M/s Amazon (Chandanvally) S/s (Length: 1.373 kms) - regd.		
S. No	Reference No.	Dated
(i)	TCTL: CPT-140/SE-1(Const)/PTCC/F.Dundigal/D. No. 681/2023	08.09.2023
(ii)	BSNL: SR-PTCC/STS 5319/5	12.12.2023
(iii)	South Central Railway : SG.85/4/3/PTCC/SCR/2022-23/TS-18 RC	27.09.2023
(iv)	Defense: B/46937/Sigs 7(b)/3548	22.12.2023

The PTCC proposal submitted vide reference (i) has been examined.

DET PTCC, Chennai (BSNL) vide reference (ii), GM (S&T), South Central Railway vide reference (iii) and DG Signals, Mod vide reference (iv) (enclosed as Annexure I) respectively have issued No Objection Certificate (NOC).

EPR details for the proposed substation is given below.

Name of the 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
220 kV Amazon (Chandanvally) SS	73.66	28	0.8	3764	2465	162	91

As per the details submitted by BSNL, no telephone exchange is lying in the EPR zone of the proposed substation.

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

Encl.: As above

Director

To,

1.	Divisional Engineer (PTCC), Southern Zone	O/o CGM, QA&I circle, 2 nd floor, Sanchar Complex, WMS Compound, Jayanagar, 5 th block, 9 th main, 47 th cross, Bengaluru- 560 041
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3.	Chief Engineer Construction	TSTRANSCO, Vidyut Soudha, Hyderabad-500082
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