



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. : KNK-1158		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV D/C line from 400/220 kV Hiremallanahole AIS/ GIS station to 220 kV PSS of M/s CMES Jupiter Private Limited (Length: 6.53 km)		
S. No	Reference No.	Dated
(i)	CEE/SLDC/PTCC/F-3772/3727-35	20.09.2024
(ii)	CEE/SLDC/PTCC/CEA/F-3772/4859-61	24.10.2023
(iii)	BSNL: SR-PTCC/SKT 6278/6	19.10.2024
(iv)	South Western Railway: SG/SWR/PTCC/F-3772/2822	01.10.2024

The PTCC proposal submitted vide reference (i) has been examined. DGM, PTCC (SZ), BSNL vide above reference (iii) and PCSTE, SWR vide above reference (iv) has issued their No Objection Certificate (NOC).

EPR Zones for proposed substation are mentioned below.

Name of the proposed SS	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
220 kV PSS of M/s CMES Jupiter Private Limited	63.67	24	0.228	747	472	NA	NA

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

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, KPTCL have informed that all construction related work of the transmission line has completed and the line is awaiting charging due to want of PTCC approval. So as to charge the subject cited transmission line as per schedule, KPTCL has requested for issuance of provisional PTCC clearance.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above

Chief Engineer

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	
2.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.
3.	Chief Engineer, Electricity	State Load Despatch Centre, #28, R.C. Cross Road, Bangalore – 560 009	