



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

CEA Case No.: KNK-1197		
Induced Voltage (IV) calculation for PTCC proposal of 220 KV SC line on DC & MC towers from proposed 220/33 KV Generation S/s of M/s KSPDCL at Rayacherlu village to existing 400/220 KV Tumkur (Pavagada) PGCIL S/s at Kyathaganacharlu village in Pavagada taluka, Tumkur district (18.859 km)- regd.		
S.No.	Reference	Dated
(i)	KSPDCL letter No.: KSPDCL /CEA/PTCC/526	14.08.2025
(ii)	BSNL: SR-PTCC/KSPDCL 2	05.02.2026
(iii)	South Western Railway: SG/SWR/PTCC/Corres/E:2-12	25.02.2026
(iv)	Defense: B/46937/Sigs 7(b)/5459	12.02.2026

The PTCC proposal submitted vide above reference (i) has been examined. DET (PTCC), Southern Zone (Bangalore) vide reference (iii) and South Western Railway vide reference (iv) above has given NOC.

ADG (Telecommunications) has issued No Objection Certificate (NOC) vide reference (v) above (attached as Annexure).

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
220/33 KV Generation S/s of M/s KSPDCL at Rayacherlu village	103.91	50	0.4140	4898	3205	203	111

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

Encl.: As above

Chief Engineer

To,

1.	DET (PTCC), Southern Zone	BSNL, Inspection Circle, 2nd Floor, Sanchar Complex, WMS Compound, Jayanagar 5th Block, 9th Main, 47th Cross ,Bangalore-560041	
2.	M/s KSPDCL	No. 6/13/1, KREDL Office Building, 5 th Floor, 10 th Block, 2 nd Stage, Nagaranhavi, Bengaluru	Copy for information