



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. : AND-739		
Induced Voltage (IV) calculation in respect of PTCC proposal for 400 kV D/C line from 400 kV Central Pooling Switching station, Kalva Village, Kurnool of M/s Greenko AP01 IREP Private Limited to 765 kV Kurnool (New) SS of PGCIL (Length: 12.162 kms)- regd.		
S. No	Reference No.	Dated
(i)	Greenko: Greenko/Engg./PTCC/2022-23/01	22.12.2023
(ii)	Greenko E-mail	12.04.2024
(iii)	Greenko E-mail	15.04.2024
(iv)	Greenko E-mail	22.04.2024
(v)	BSNL: SR-PTCC/STS 5634/7	29.03.2024
(vi)	South Central Railway:SG.85/4/3/PTCC/SCR/AP/2023-24/25 RC	06.03.2024
(vii)	Defense: B/46937/Sigs 7(b)/3709	28.03.2024

The PTCC proposal submitted vide above reference (i), (ii), (iii) and (iv) have been examined. DET, PTCC BSNL (Bangalore) and South Central Railway have issued No Objection Certificate (NOC) vide above reference (v) and (vi) respectively. DG Signals, MoD have issued No Objection Certificate (NOC) vide reference (vii) (enclosed as Annexure I)

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
400kV CPSS S/S, Kurnool,	153.63	33.39	0.66	7720	5055	330	185

As per the details submitted by BSNL, no telecom exchanges are 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

Sumit
22/4/24

Chief Engineer,

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 2 nd Floor, Sanchar Complex, WMS Compound, Jayanagar 5 th Block, 9 th Main, 47 th Cross, Bangalore-560041	
2.	General Manager	M/s. Greenko AP01 IREP Pvt. Ltd. 2 nd Floor, Block D, Plot No. 13, SY No.-64 Part, Htech City Layout, Madhapur Village, Hyderabad-500081	Copy For Information