



**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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CEA Case No. : AND-738		
Induced Voltage (IV) calculation in respect of PTCC proposal for 400 kV D/C line from 400/18 kV plant for 1680 MW Pumped Storage Project, Pinnapuram village, Nandyal to 400 kV Central Pooling Switching station, Kalva Village, Kurnool of M/s Greenko AP01 IREP Private Limited (Length: 6.967 kms)- regd.		
S. No	Reference No.	Dated
(i)	Greenko: Greenko/Engg./PTCC/2022-23/02	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 5633/6	29.03.2024
(vi)	South Central Railway:SG.85/4/3/PTCC/SCR/AP/2023-24/26 RC	06.03.2024
(vii)	Defense: B/46937/Sigs 7(b)/3710	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
400 kV PSP S/S, Nandyal, AP	87.54	30	0.148	816	510	NA	NA
400 kV CPSS, Kurnool, AP	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

*sh*  
22/4/24

**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.	General Manager	M/s. Greenko AP01 IREP Pvt. Ltd. 2 <sup>nd</sup> Floor, Block D, Plot No. 13, SY No.-64 Part, Htech City Layout, Madhapur Village, Hyderabad-500081	Copy For Information