



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
Division

CEA Case No.: AND-790		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV SC line from 400/220 kV PS (ISTS) Solar Park at NP Kunta to 220/33 kV PSS at NHPC at Pedaballi Kothapalle village, Kadiri Taluk (8.53 km)- regd.		
S.No.	Reference	Dated
(i)	NHPC: NH/APSP/02/2025/65	25.07.2025
(ii)	BSNL: SR-PTCC/AND2802202600019/01	28.02.2026
(iii)	South Western Railway: SG/SWR/PTCC/NHPC/2938	10.11.2025
(iv)	Defense: B/46937/Sigs 7(b)/5132	26.02.2026

The PTCC proposal submitted vide above reference(s) (i) has been examined. DET (PTCC), Southern Zone (Bangalore) vide reference (ii) and ASTE/TELE/HQ (South Western Railway) vide reference (iii) above has given NOC.

ADG (Telecommunications) has issued No Objection Certificate (NOC) vide reference (iv) 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 PSS of NHPC at Pedaballi Kothapalle	65.4	16.36	0.91	2199	1433	74	32

As per the details submitted by BSNL vide reference (ii) 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-560043	
2.	M/s NHPC Limited	100 MW Solar Power Project, NP Kunta, AP	Copy for information

Directorate General of Signals (Signals-7)
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi -11

For records P.

B/46937/Sigs-7(b)/5132 dt 26 Feb 2026

NHPC Limited
Plot no. 11/12, Weavers colony
Kadiri, Andhra Pradesh – 515 591

G/SMT(E)
SM(E)
6/3/26

**SUBMISSION OF PROPOSAL FOR PTCC PROPOSAL FOR
CONSTRUCTION OF PROPOSED 220KV S/C LINE ON D/C TOWERS
WITH AL59 MOOSE CONDUCTOR FROM EXISTING 400/220KV PS (ISTS)
SOLAR PARK AT NP KUNTA TO PROPOSED 230/33 KV PSS OF NHPC
AT PEDABALLI KOTHAPALLE VILLAGE IN KADIRI TALUK, SRI SATHYA
SAI DISTRICT, ANDHRA PRADESH. ON SELF EXECUTION BASIS**

1. Ref your letter No NH/APSP/02/2025/65 dt 25 Jul 2025.
2. No Objection Certificate (NOC) is **accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

[Handwritten Signature]

(Puneet Lakhanpal)
Lieutenant Colonel
General Staff Officer Grade-1(Communication)
for Additional Director General(Telecommunication)



[Handwritten Signature]
26/2/26

Copy to:-

HQ Southern Comd (Sigs)
PIN -908541
C/o 56 APO

Chief Engineer, PSCD Division
Central Electricity Authority
Room No 702 (North Wing)
Sewa Bhawan, RK Puram, Sector-1
New Delhi-110 066

For info pl.