



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.: MRA-1317		
Induced Voltage (IV) calculation in respect of PTCC proposal for 220 kV DC line by making LILO of 220kV DC Kalmeshwar – Warud line to 100 MW Solar Power Project (13.518 km)- regd.		
S. No	Reference No.	Dated
(i)	MSPGCL: CE/RE-P/NGP/KPIGEL/100 MW Udapur/01319	25.08.2025
(ii)	MSPGCL: Email EMD Parameters	05.03.2026
(iii)	BSNL: IC/MBI/PTCC/MRA-2775/03	18.12.2025
(iv)	Central Railway: N.705/T/PTCC/220kV/MAH-971	20.11.2025
(v)	Defense: B/46937/Sigs 7(b)/5082	27.10.2025

The PTCC proposal submitted vide above references (i) and (ii) has been examined. DET (PTCC), WZ (Mumbai) and Central Railway has issued NOC vide reference (iii) and (iv) above.

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

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 earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220 kV 100 MW Solar Power Project	90	40	0.072	512	308	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 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.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Juhu Tara Road, Santacruz (West), Mumbai-400054	
2.	Chief Engineer (RE- Projects)	MSPGCL, Nagpur, Koradi Complex, Chindwara Road, Koradi -441111	Copy for Information

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

B/46937/Sigs-7(b)/5082 dt 27 Oct 2025

O/o Chief Engineer (RE-Projects)
MSPGCL, Nagpur, Koradi Complex,
Chindwara Road, Koradi-441111

**PTCC PROPOSAL FOR 220KV DC TRANSMISSION LINE, LILO ON
EXISTING 220 KV KALMESHWAR - WARUD D/C LINE TO 100 MW
SOLAR POWER PROJECT, POOLING S/ STN, TO BE SET UP BY
MAHAGENCO, LENGTH = 13.518 KMS**

1. Ref your letter NoCE/RE-P/NGP/KPIGEL/100MW Udapur dt 25 Aug 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.

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



Encls: As above

Copy to: -

HQ Southern Comd (Sigs)

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.

CE (RE-Projects)	
Nagpur, MSPGCL	
Inward No	435
Date	07/11/25