



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.: RAJ-923		
Induced Voltage (IV) calculation for PTCC proposal for 220 kV D/C line from AMP Energy PSS to PSS-2 of M/s AMP Energy Green (34.321 km)- regd.		
S. No	Reference No.	Dated
(i)	AEGPL: AEGPL/SHEO/300MW/25/04	21.08.2025
(ii)	AGEPL: Email_EMD Parameters	05.12.2025
(iii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10600/Raj-1630/2025-26	08.10.2025
(iv)	Northern Western Railway: SG/158/NWR/PTCC/1192	12.09.2025
(v)	Defense: B/46937/Sigs 7(b)/5040	04.11.2025

The PTCC proposal submitted vide above reference (i) and (ii) has been examined. In consideration of letter (ref no.- G-1/DL PTCC/Barmer/2025-26/42 dated 09.09.2025) from DGM(OP) Barmer ; DET (PTCC), NZ, BSNL letter vide above reference (iii) is taken as deemed NOC. NWR has issued NOC vide above reference (iv).

DG Signals, MoD has issued No Objection Certificate (NOC) vide reference (v) (attached 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
33/220 kV PSS	90.28	35.35	0.143	971	612	NA	NA
33/220 kV PSS-2	82.2	35.35	0.125	762	477	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), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001	
2.	GM/S&T	North Western Railway, Headquarter Office, Room No. 136, 1 st Floor, Near Jawahar Circle Jaipur -302017	
3.	Project Director (AMP Energy Green Pvt Ltd)	309, 3 rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New- Delhi -110017	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)/5040 dt 04 Nov 2025

AMPIN ENERGY GREEN PVT LTD 309

3rd Floor, Rectangle One Behind Sheraton Hotel, Saket
New Delhi 110017

**SUBMISSION OF PROPOSAL FOR PTCC APPROVAL OF "220 KV
TRANSMISSION LINE ON D/C TOWER FROM AMP ENERGY PSS TO
PSS-2 LINE OF M/S AMP ENERGY GREEN EIGHT, TEN & THREE
HYBRID PROJECT WITH AL -59 MOOSE CONDUCTOR AND 24
FIBER OPGW CABLE. IN BARMER DISTRICT OF RAJASTHAHN**

1. Ref your letter No AEGPL/SHEO/300MW/25/04 dt 21 Aug 2025.
2. No Objection Certificate (NOC) is **accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.



(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.