



**भारत सरकार**  
**Government of India**  
**विद्युत मंत्रालय**  
**Ministry of Power**  
**केन्द्रीय विद्युत प्राधिकरण**  
**Central Electricity Authority**  
**विद्युत संचार विकास प्रभाग**  
**Power Communication Development Division**

Case No.: RAJ-672

PTCC proposal of 220 kV S/C transmission line from ACME Solar Holding 300MW Solar Plant to PGCIL 765/400/220 kV Bhadla II PS (10.11 km)

Reference:		M-06-2021	
S. No.	Reference No.	Dated	
(i)	M/s ACME Solar Holdings Pvt Ltd: ASHPL/300MW/PTCC/CEA/06/21	10.06.2021	
(ii)	BSNL: DET/PTCC/ND/DV-9915/Raj-1321/2021-2022	27.07.2021	
(iii)	North Western Railway: SG/158/NWR/PTCC/828	29.06.2021	

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has intimated that there are no BSNL lines (copper cable and armoured OFC) in the route of the proposed power line and has conveyed its NOC. The low frequency induction on block & telecom circuits of North Western Railway as per details furnished vide reference (iii) has been examined. Voltages likely to be induced on paralleling block & telecom circuits of North Western Railway under single line to ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered.

Telecommunication details from Defense are pending and the power authority has shown urgency for the charging of the line. In view of this take necessary action regarding issuance of **Provisional PTCC approval for 220 kV S/C transmission line from ACME Solar Holding 300MW Solar Plant to PGCIL 765/400/220 kV Bhadla II PS.**

Encl.: As above.

Digitally signed by RAGHUVENDRA PRATAP SINGH  
Date: 2021.08.17 16:37:24 IST

Director

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.	Dy. CSTE	North Western Railway, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur - 302017	
3.	Project Manager	M/s ACME Solar Holdings Pvt. Ltd., 104 Munish Plaza, 20 Ansari Road, Darya Ganj, New Delhi - 110002	Copy for information

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## ANNEXURE - I

Case No.: RAJ-672

Name of the Power Line: 220 kV S/C transmission line  
from ACME Solar Holding 300MW Solar Plant to PGCIL  
765/400/220 kV Bhadla II PS

Map Scale : 1 cm = 500 m.  
Route Length : 10.11 km  
Soil Resistivity : 5,000 Ohm-cm

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
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## NORTH WESTERN RAILWAY

Ref. No: SG/158/NWR/PTCC/828 dated 29.06.2021

## Affected Blocks &amp; Telecom Circuits Details

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
1	Nokhra - Sird				0
2	Sird - Bap	1.8	0.0002	10000	2

*Prateek*

प्रतीक प्रदीप/PRATEEK S. PRADEEP  
सहायक निरीक्षक-II/Asst. Director-II  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi