



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत संचार विकास प्रभाग

Power Communication Development Division



No.: CEA/PCD/ PTCC/RAJ-648 /604-606

Date: 30.09.2020

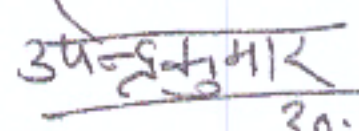
Subject: PTCC proposal of 400 kV SC transmission line from Azure Bikaner 300 MW Solar Plant to 400 kV Common Pooling substation of Azure (2X300 MW) Plant, Bikaner-regd.

Ref.: (i) M/s Azure Power India Pvt. Ltd. Ref. No. AZI/AZS49/PTCC/TL/01/DN-024 Dated: 08.09.2020
(ii) BSNL Ref. No. M-3/PTCC-Meeting Bik/2020-21/40 Dated: 21.09.2020
(iii) North Western Railway Ref. No. SG/158/NWR/PTCC/783 Dated: 25.09.2020

The PTCC proposal submitted vide ref. (i) has been examined. BSNL vide ref (ii) has intimated that there are no U/G copper cable and armoured OFC cables within 8 km of the proposed power line. Hence, IV calculation for telecom lines of BSNL is not required. The LF induction on Block & Telecom circuits of North Western Railway with respect to details furnished vide above references (iii) has been computed. The Soil Resistivity (SR) value has been taken as 5,000 Ohm-cm. The 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. 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 kindly take necessary action regarding issuance of **provisional PTCC route approval for 400 kV SC transmission line from Azure Bikaner 300 MW Solar Plant to 400 kV Common Pooling substation of Azure (2X300 MW) Plant, Bikaner**

Encl.: As above.


30.09.2020
(Upendra Kumar)
Chief Engineer

To,
The DET (PTCC), BSNL, Northern Zone,
O/o PGM (N), QA & Inspection Circle,
D-Tax Building, Eastern Court
Janpath, New Delhi 110001.

Contd.

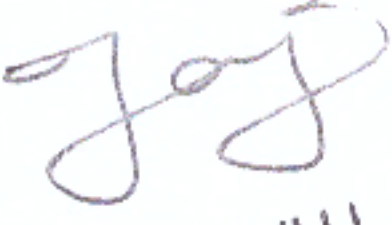
एन आर पी सी परिसर, कटवारिया सराय, नई दिल्ली-110016 टेलीफैक्स: 011-26565214 ईमेल: celdntcea@gmail.com वेबसाइट www.cea.nic.in
NRPC Complex, Katwaria Sarai, New Delhi-110016 Telefax: 011-26565214 Email: celdntcea@gmail.com Website: www.cea.nic.in

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ANNEXURE

Case No.: Raj-648 Name of the Power line : 400 kV SC transmission line from Azure Bikaner 300 MW Solar Plant to 400 kV Common Pooling substation of Azure (2X300 MW) Plant, Bikaner.			Map Scale : 1cm=500mts Total Length : 3.3 km. S.R. Value : 5,000 Ohms-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

NORTH WESTERN RAILWAY Ref. No: SG/ 158 / NWR /PTCC/783 dated 25.09.2020					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Dhirera - Jagdevwala	Out of parallelism			00
2	Jagdevwala - Jamsar	2.9	0.0012	14729	18


तनुज/TANUJ
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
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