



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-634/598-600

Date: 30.09.2020


Subject: PTCC proposal of 400 kV DCDS transmission line from M/s Azure Power India Pvt. Ltd. PSS in Bikaner region to 765/400 kV PGCIL GSS, Jalasar, Bikaner.

Ref.: (i) M/s Azure Power India Pvt. Ltd. Ref. No. 0002 Dated: 26.05.2020
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9763/Raj-1279/2020-21 Dated: 18.09.2020
(iii) North Western Railway Ref. No. SG/158/NWR/PTCC/783 Dated: 11.08.2020

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of North Western Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 2,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of North Western Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-II respectively. 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 DCDS transmission line from M/s Azure Power India Pvt. Ltd. PSS in Bikaner region to 765/400 kV PGCIL GSS, Jalasar, Bikaner.**

Encl.: As above.


(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.

MIC

Contd.

Case No. CI/100-825

Name of the Power Line: 400 KV Transmission Line from M/s. Azura Power India Pvt. Ltd. PSS in Bilanet region to 7x5:400 KV PGCL GSS, Jaisalmer Bilanet

Signature: _____
Toposheet Scale: 1cm=500mts
Total Length: 17.3 + 1.6 = 18.9 Km.
S.F. Value: 2.2 Ohm-cm

Sl. No.	Name of Telephone Line	Length (km)	W.D. (m)	Span (m)	Remarks
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BSNL

Reference No. DET/PTCO/ND/DV-9763/Raj-1279/2020/1-21 Dated: 18.08.2020

Date

BSNL Details					
1	Jamasar to jalasar 100 Pair (1.7 KM)	IV	less	than	730 V

Jal
[Signature]
[Stamp]
[Text in Hindi]
[Text in English: New Delhi-65]

ANNEXURE-II

Case No.: Raj-634 Name of the Power line 400 kV DCDS transmission line from M/s Azure Power India Pvt. Ltd. PSS in Bikaner region to 765/400 kV PGCIL GSS, Jalasar, Bikaner.			Map Scale : 1cm=500mts Total Length : 7.3 + 1.6 km. S.R. Value : 2,000 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: 11-08-2020					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Dhirera - Jagdevwala	Out of parallelism			00
2	Jagdevwala - Jamsar	1.1	0.0001	14841	02
3	Jamsar - Kanasar	0.5	0.0003	14915	05

11/08/2020
 Director, North Western Railway
 Bikaner Region
 Ministry of Power
 Govt. of India
 New Delhi