



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-654	dt. 04.03.21
PTCC proposal of 220 KV S/C transmission line on D/C towers from 220/33 kV PSS of M/s SBSR Power Cleantech Eleven Private Limited to 765/400/220 kV GSS PGCIL, Bikaner at Jalalsar.	

Reference:		
Sl. No.	Reference No	Dated
(i)	M/s SBSR Power Cleantech Eleven Pvt. Ltd.: SBSR/PTCC/PM-021	04.09.2020
(ii)	BSNL: DET/PTCC/ND/DV-9836/Raj-1300/2020-21	05.02.2021
(iii)	North Western Railway: SG/158/NWR/PTCC/788	22.10.2020
(iv)	Defense: B/46937/Sigs 7(b)/2185	29.12.2020

The PTCC proposal submitted vide reference (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 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 Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for this line.

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Digitally signed by RAJSHIVENDRA PRATAP SINGH  
Date: 2021.03.04 18:54:22 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.	Annex-I only
2.	Dy. CSTE/Tele, NWR, Jaipur	NWR, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur-302017	Annex-II only
3.	M/s SBSR Power Cleantech Eleven Pvt. Ltd.	1 <sup>st</sup> Floor, Worldmark-2, Asset Area-8, Hospitality district, Aerocity, NH-8, New Delhi-110037	Copy for information

MPC

Case No. : **RAJ-654**

Name of the Power Line: 220 KV S/C Transmission Line on D/C  
 Tower from 220/33 KV PSS M/s SBSR  
 Power Cleantech Eleven Pvt. Ltd. to  
 765/400/220 KV GSS of PGCIL, Bikaner at  
 Jafasar

Annexure I

Toposheet Scale : 1cm=500mts  
 Total Length : **11.70** Kms  
 S.R Value : **30,000** Ohm-cm

Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
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BSNL

Reference No. DET/PTCC/ND/DV-9836.Raj-1300/2020-21  
 Date : 05.02.2021

BSNL Details					
1	Jamasar Tele Exch to Jamasar Police Thana 10 Pairs ( 1 KM)				<b>IV LESS THAN 430V</b>

*[Signature]*  
 (Sd/-) TAMILU  
 सहायक निरीक्षक-II/Asstt. Director-II  
 केन्द्रीय विद्युत प्राधिकरण/CPDCL  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/GOVL of India  
 नई दिल्ली/New Delhi-28

**ANNEXURE-II****Case No.: RAJ-654****Name of the Power line:** 220 KV S/C transmission line on D/C towers from 220/33 kV PSS of M/s SBSR Power Cleantech ~~Eleven~~ Private Limited to 765/400/220 kV GSS PGCIL, Bikaner at Jalalsar.**Map Scale** : 1 cm=500 m**Total Length** : 11.170 km**S.R. Value** : 30,000 ohms-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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North Western Railway Ref. No.: SG/158/NWR/PTCC/788

Dated:22.10.2020

**Affected Blocks & Telecom Circuits Details**

1	Jagdeywala to Jamsar	9.9	0.0031	9982	31
2	Jamsar to Kanasar	Out of parallelism			00

*Jamun*

Director  
 Technical Services  
 North Western Railway  
 New Delhi-110001