



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युतसंचारविकासप्रभाग
Power Communication Development Division

Case No.: RAJ-665:
PTCC proposal for 220 kV S/C line on D/C tower from 200 MW Mahindra Susten Pvt. Ltd. to 220 kV GSS (RRVNL) Gajner, Bikaner : 8.58 km

Reference:		
S. No.	Reference No.	Dated
(i)	M/s Mahindra Susten Pvt. Ltd.: MSPL/PTCC/2021/02/15/01	15.02.2021
(ii)	BSNL:DET/PTCC/ND/DV-9880/Raj-1311/2020-21	25.03.2021
(iii)	North Western Railway: SIG/158/NWR/PTCC/799	03.12.2020
(iv)	Defense: B/46937/ Sigs 7(b)/2233	01.02.2021

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 the proposed power line.

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

Encl.: As above.

Signature Not Verified
Digitally signed by
RAGHVENDRA PRATAP SINGH
Date: 2021.06.24 17:06:15 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.	Annexure-I only
2.	Dy. CSTE/Tele	North Western Railway, Head Quarter Office, Room No. 136, First floor, Near Jawahar Circle, Jaipur-302017	Annexure-II only
3.	M/s Mahindra Susten Pvt. Ltd.	Mahindra Towers, Dr. G. Bhosale Marg, P.K. Kurne Chowk, Worli, Mumbai-400018.	Copy for information

MIC

Case No.: RAJ-665

Name of the Power Line: 220 KV S/C line on D/C Tower from 200 MW Solar PV Power Plant of M/s Mahindra Susten pvt. Ltd. to 220 GS5 (RRVPL) Gajner, Bikaner

Annexure I
 Toposheet Scale : 1cm=500mts
 Total Length : 8.58 Kms
 S.R Value : 7,500 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-9880/Raj-1311/2020-21
 Date : 25.03.2021

BSNL Details					
1	Gajner T. Exchange to Gajner Palace 100 Pairs (100 Mtr)				
2	Gajner T. Exchange to Gajner Palace 50 Pairs (2 KM)				
3	Gajner T. Exchange to Gajner Palace street 20 Pairs (2.5 KM)				
4	Gajner T. Exchange to Gajner Palace street 10 Pairs (4 KM)				
5	Overhead Line Gajner T. Exchange to Gajner Palace street 5 Pairs (2 KM).				

IV less than 430 V

[Signature]
 SGT/TANLU
 सहायक निदेशक-1/असि. निदेशक
 संचयन विभाग/संचयन/स.ए.ए.
 संचयन विभाग/Ministry of Power
 नया दिल्ली/Govt. of India
 नया दिल्ली/Now Delhi-66

ANNEXURE-II


Case No.: RAJ-665 Name of the Power line: 220 kV S/C line on D/C tower from 200 MW Mahindra Susten Pvt. Ltd. to 220 kV GSS (RRVPLN) Gajner, Bikaner.			Map Scale : 1 cm=500 m Total Length : 8.58 km S.R. Value : 7,500 ohm-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: SIG/158/NWR/PTCC/799

Dated: 03.12.2020

Affected Blocks & Telecom Circuits Details

1	Kolayat to Gajner	Outside IV Consideration Zone	00
2	Gajner to Nal	Outside IV consideration Zone	00


जनज/TANJJ
सहायक निदेशक - II, Asstt. Director-II
राज्य विद्युत प्राधिकरण/C.E.S.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi