



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-655	07.05.03.21
PTCC proposal of 400 kV SC Transmission line on D/C towers of M/s Ayana Renewable Power One Pvt. Ltd. from 400/33 kV PSS of M/s Ayana Renewable Power One Pvt. Ltd. to 765/400/220 kV GSS of PGCIL, Bikaner at Jalalsar.	

Reference:		
Sl. No.	Reference No	Dated
(i)	M/s Ayana Renewable Power One Pvt. Ltd.:AYRPL-PTCC-PM-019	04.09.2020
(ii)	BSNL: DET/PTCC/ND/DV-9835/Raj-1299/2020-21	05.02.2021
(iii)	North Western Railway: SG. /158/NWR/PTCC/789	26.10.2020
(iv)	Defense: B/46937/Sigs 7(b)/2184	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.

Signature Not Verified
Digitally signed by RAGHAVENDRA PRATAP SINGH
Date: 2021.03.05 17:48:23 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, Head Quarter Office, Room No. 136, First Floor, Near Jawahar Circle, Jaipur-302017	Annex-II only
3.	M/s Ayana Renewable Power One Pvt. Ltd.	3 rd Floor, Sheraton Grand Hotel, Brigade Gateway Campus, 26/1, Dr. Rajkumar Road, Rajajinagar, Bangalore -560055	Copy for information

M/A

Case No. :

Annexure I

Name of the Power Line: 400 KV S/C Transmission Line on D/C
Tower from 400/33 KV PSS M/s Ayana
Renewable Power One Pvt. Ltd. to
765/400/220 KV GSS of PGCIL, Bikaner at
Jalasar

Toposheet Scale : 1cm=500mts
Total Length : 2.97 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-9835.Raj-1299/2020-21
Date : 05.02.2021

BSNL Details

1 Jamasar Tele Exch to Jamasar Police Thana
10 Pairs (1 KM)

IV less than 430 V


तनुज/TANUJ
महानिदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.
भारत सरकार/Ministry of Power
नया दिल्ली/Govt. of India
110001 New Delhi-66

ANNEXURE-II

Case No.: RAJ-655					
Name of the Power line: 400 kV SC Transmission line on D/C towers of M/s Ayana Renewable Power One Pvt. Ltd. from 400/33 kV PSS of M/s Ayana Renewable Power One Pvt. Ltd. to 765/400/220 kV GSS of PGCIL, Bikaner at Jalalsar.		Map Scale : 1 cm=500 m		Total Length : 2.971 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.

North Western Railway Ref. No.: SG. /158/NWR/PTCC/789			Dated:26.10.2020		
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Jagdevwala to Jamsar	0.9	0.0001	9982	01
2	Jamsar to Kanasar	0.6	0.0001	9887	01