



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-635 / 601-603

Date: 30.09.2020

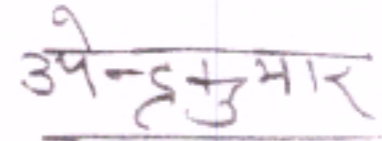
Subject: PTCC proposal of 400 kV DCDS transmission line from M/s Avaada Energy Pvt. Ltd. PSS in Bikaner region to 765/400 KV PGCIL GSS, Jalasar, Bikaner.

Ref.: (i)	M/s Avaada Energy Pvt. Ltd. Ref. No. MSEDCL/350MW/PGCIL/2019-20/01062020/01	Dated: 01.06.2020
(ii)	BSNL Ref. No. DET/PTCC/ND/DV-9764/Raj-1280/2020-21	Dated: 18.09.2020
(iii)	North Western Railway Ref. No. SG/158/NWR/PTCC/784	Dated: 13.08.2020

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 2,500 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 AVAADA Energy 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.

M/C

Contd.

Case No. : CEA/Raj-635

Name of the Power Line: 400 KV Transmission Line from M/s Aavaada Energy Pvt. Ltd. PSS in Bikaner region to 765/400 KV PGCIL GSS, Jalasar, Bikaner

Annexure I

Toposheet Scale : 1cm=500mts
Total Length : 14 Kms
S.R Value : 2.500 Ohm-cm

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

BSNL

Reference No DET/PTCC/ND/DV-9764/Raj-1280/20201-21 Dated- 18.09.2020
Date :


BSNL Details					
1	Jamasar to jalasar 100 Pair (1.7 KM)		IV less than	430 V	

तमूज / TANUJ
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत आयोग/CG.DIA
विद्युत नवीकरणीय शक्ति अथिती
भारत सरकार / Govt. of India
पुणे / Pune

ANNEXURE-II

Case No.: Raj-635 Name of the Power line 400 kV DCDS transmission line from M/s AVAADA Energy Pvt. Ltd. PSS in Bikaner region to 765/400 KV PGCIL GSS, Jalasar, Bikaner.		Map Scale : 1cm=500mts Total Length : 14 km. S.R. Value : 2,500 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 / 784 DATED: 13-08-2020					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Jagdevwala - Jamsar	1.3	0.0005	14232	07
2	Jamsar – Kanasar	Outside IV consideration zone			00


 मुख्य अभियंता/Chief Engineer
 केंद्रिय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi