



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-639/539-41

Date: 16.09.2020

Subject: PTCC proposal of 765 kV D/C Fatehgarh – II to Bhadla - II transmission line-regd.

Ref.: (i)	PFTL Ref. No. NR1/Bhadla-2/TLC/TBCB	Dated: 05.06.2020
(ii)	BSNL Ref. No. DET/PTCC/ND/DV-9260/Raj-1276/2020-21	Dated: 15.09.2020
(iii)	North Western Railway Ref. No. SG/158/NWR/PTCC/774	Dated: 10.06.2020

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on block & telecom circuits of North Western Railway, as per details furnished vide ref. (ii), has been examined. The Soil Resistivity value has been taken as 25,000 Ohms-cm. Voltages likely to be induced on paralleling block & telecom circuits of North Western Railway under single line to ground fault condition are enclosed at Annexure. The screening factors as applicable have been considered. BSNL vide ref (ii) has intimated that there are no U/G copper cable and armored OFC cables within 8 km of the proposed power line and has conveyed NOC.

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 765 kV D/C Fatehgarh – II to Bhadla - II transmission line.

Encl.: As above.

Upendra Kumar
16.09.2020
(Upendra Kumar)
Chief Engineer

To,
DET (PTCC), Northern Zone,
Bharat Sanchar Nigam Ltd,
O/o PGM (N), QA & Inspection Circle,
D. Tax Building, Eastern Court,
Janpath, New Delhi - 110001

M/C

Contd...

Case No.: RAJ-639

Name of the Power Line: 765 kV D/C Fatehgarh-II to Bhadla-II transmission line.

Map Scale : 1 cm = 500 m.
Route Length : 183.706 km
Soil Resistivity : 25,000 Ohm-cm

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Inc V (No.
NORTH WESTERN RAILWAY Ref. No: SG/158/NWR/PTCC/774 Dated: 10.06.2020					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Marwar Khara to Marwar Bithri	11	0.0017	13661	23
2	Marwar Bithri to Phalodi Jn	3	0.0011	13260	15
3	Phalodi Jn to Phalodi Jn Cabin, Jodhpur side	Out of Parallelism			0
4	Phalodi Jn Cabin, Bikaner side to Malar	3.4	0.0004	14644	6
5	Malar to Bap	21.2	0.0042	15519	65
6	Bap to Sird	15.1	0.0098	18072	177
7	Sird to Nokhra	Out of Parallelism			0

Prateek

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भारत सरकार / Govt. of India
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