

1/25299/2022



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



एक राष्ट्र एक आवाज

ONE NATION - ONE VOICE

CEA Case No.: HRA-239		
PTCC approval for 220 kV D/C transmission line from 765 kV PGCIL Bhiwani S/s to 220 kV HVPNL Isherwal S/s.		
Reference:		
(i)	HVPNL: Ch-12/ST-219 Vol-II	28.01.2021
(ii)	HVPNL letter	01.11.2022
(iii)	BSNL: DET/PTCC/ND/DV-9843/HR-860/2020-21	26.03.2021
(iv)	North Western Railway : SG/158/NWR/PTCC/814	10.02.2021
(v)	Defense : B/46937/Sigs 7(b)	04.07.2022

The PTCC proposal submitted vide references (i) and (ii) has been examined. The LF induction on communication circuits of North Western Railway with respect to details furnished vide above reference (iv) have been computed. The voltage likely to be induced on paralleling communication circuits of North Western Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide reference (iii) & (v) above, DET (PTCC), NZ, BSNL and DG Signals, MoD, respectively, have issued No Objection Certificate (NOC).

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

Encl.: As above.

Digitally Signed by Upendra
Kumar

Date: 22-12-2022 16:04:40

Reason: Approved

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi	
2.	GM (S&T)	North Western Railway HQ Room No. 136, First Floor Near Jawahar Circle, Jaipur	Annexure-I
3.	XEN/TS Division	HVPNL, BTM Road Bhiwani	Copy for information

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ANNEXURE-I

CEA Case No.: HRA-239 Name of the Power line: 220 kV D/C transmission line from 765 kV PGCIL Bhiwani S/s to 220 kV HVPNL Isherwal S/s.			Map Scale : 1 cm= 500 m Total Length : 50 km S.R. Value : 15000 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 Letter No: SG/158/NWR/PTCC/814 Date: 10.02.2021					
Affected Blocks & Telecom Circuits Details					
1	Bhiwani Jn. to Manheru	2.8	.0037	37760	140
2	Manheru to Charkhi Dadri	-Out of Parallelism-			