



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division  
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CEA Case No.: PNB-371:  
PTCC proposal for 220 kV Tibber to 220 kV TSS Sohal transmission line (Railway  
Deposit Work): 7.34 km

Reference:		
S. No.	Reference No.	Dated
(i)	PSTCL, Patiala Addl. SE/TS-II Endst. No. 2071	31.07.2020
(ii)	BSNL:DET/PTCC/ND/DV-9752/PB-926/2020-21	19.11.2020
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/11/01 (complete details received on 30.06.2021)	16.11.2020
(iv)	Defensc: B/46937/ Sigs 7(b)/2103 (details received on 03.11.2021)	02.11.2020

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has intimated that no BSNL lines (copper cable and armored OFC) in the route of the proposed power line and has conveyed its NOC. The LF induction on telecom cables of Block & Telecom circuits of Northern Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling telecom cables of Block & Telecom circuits of Northern Railway under Single Line to Ground fault condition are enclosed at Annexure. 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 RAGHUVENDRA PRATAP SINGH  
Date: 2021.11.25 11:22:16 IST

Director

MIC

To,			
1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	W/O Annexure
2.	AESTE/UTS	Northern Railway, Head Quarter Office, Baroda House, New Delhi-110001.	With Annexure
3.	Addl. SE/TS-II, Patiala	PSTCL; Office of Chief Engineer/Transmission System, 3rd Floor, Shakti Sadan, Patiala-147001.	Copy for information

**ANNEXURE**

CEA Case No.: PNB-371

Name of the Power line: 220 kV Tibber to 220 kV TSS Sohal transmission line (Railway Deposit Work).

Map Scale : 1 cm=500 m  
Total Length : 7.34 km.  
S.R. Value : 40,000 Ohms-cm

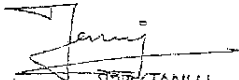
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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Northern Railway: 342-SIG/1/PTCC/2020-21/11/01 Dated: 16.11.2020

**Affected Blocks & Telecom Circuits Details**

Amritsar-Pathankot Section

S.No.	Block Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
1.	Batala R/S to Chhina R/S				00
2.	Chhina R/S to Dhariwal R/S	1	0.0004	6987	03
3.	Dhariwal R/S to Sohal R/S	0.4	0.0005	9882	05
4.	Sohal R/S to Gurdaspur R/S	2.2	0.0042	8990	38

  
 तनुज/TANUJ  
 सहायक निदेशक-II/Asstt. Director-II  
 राष्ट्रीय विद्युत प्राधिकरण/C.E.A.  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/Govt. of India  
 नई दिल्ली/New Delhi-86