



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.: PNB-366:
PTCC proposal for 220 kV D/C Barnala to Handaiya (Railway Deposit Work) transmission line : 1.613 km

Reference:		
S. No.	Reference No.	Dated
(i)	PSTCL, Patiala Addl. SE/TS-II Endst. No. 1350	17.02.2020
(ii)	BSNL:DET/PTCC/ND/DV-9688/PB-920/2020-21	12.01.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2019-20/02/08 (complete details received on 30.06.2021)	25.02.2020
(iv)	Defense: B/46937/ Sigs 7(b)/1993	01.07.2020

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 RAJESHVENDRA
PRATAP SINGH
Date: 2021.07.20 10:52:41 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.	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

M/C

ANNEXURE

Case No.: PNB-366

Name of the Power line: 220 kV D/C Barnala to Handaiya
(Railway Deposit Work) transmission line.Map Scale : 1cm=500mts
Total Length : 1.613 Km.
S.R. Value : 15,000 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 Ref. No: 342-SIG/1/PTCC/2019-20/02/08 Dated 25.02.2020

Affected Blocks & Telecom Circuits Details

Dhuri-Bathinda Section

1.	Sekha R/S to Barnala R/S	Out of Parallelism			00
		1.3	0.0053	9991	
2.	Barnala R/S to Hadiaya R/S	0.5	0.0016	9985	53
3.	Hadiaya R/S to Tapri R/S				16



तनुज/TANUJ
सहायक निदेशक-II/Asst. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66