File No.CEA-PS-17-11(11)/44/2021-PCD Division 317-319



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.

Signature Not Verified

Signature Not Verified

Digitally signed by RACHVENDRA
PRATAP SINGH

Date: 2021,07.20 10:#2:41 IST

Director

To.

Encl.: As above.

	<u> </u>	·	
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

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ANNEXURE

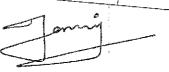
Case No.: PNB-366

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 Ohm

			S.R. Value	: 15,000 Oh	ms-cm
S.No.	Telecom. Details Northern Railway Ref. No: 342-SIG	THE EXILE.	Coupling	Effective Fault current in Amps.	I.V in Volts.

	Northern Railway Ref. No: 342-SIG/1 Affected Blocks & T		in Ohms.	in Amps.	Volts.
		Circuit Circuit	0/02/08 Date	ed 25.02.2020	
2.	Sekha R/S to Barnala R/S Barnala R/S to Hadiaya R/S	unda Section	of Parallelism		
3.	Hadiaya R/S to Tapri R/S	0.5	0.0053 0.0016	9991	53
			0.0010	9985	16



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तनज /TANUJ कावक निरंशक-II/Assit. Director-II कावक निरंशक-II/Assit. Director-II व्यव केवालय/Ministry of Power कात वरवार/Govi. of India कात वरवार/Govi. of India