



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

Case No.: HRA-242
PTCC proposal for 220 kV D/C transmission line from 400 kV S/S Panchgaon (PGCIL) to 220 kV S/S Panchgaon (HVPNL), Gurugram: 0.217 km

Reference:	06-08-2021	
S. No.	Reference No.	Dated
(i)	HVPNL: Ch-92/REC-248	26.04.2021
(ii)	BSNL: DET/PTCC/ND/DV-9925/HR-871/2021-2022	26.07.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/06/02	28.06.2021
(iv)	HVPNL: Ch-112/REC-248	27.07.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has intimated that there are no BSNL lines (copper cable and armored OFC) in the route of the proposed power line and has conveyed NOC. The LF induction on Block & Telecom circuits of Northern Railway with respect to details furnished vide above references (iii) has been computed. The voltages likely to be induced on 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.

Telecommunication details from the Defense Authority are pending. Vide reference (iv) above, the power authority has shown urgency for the charging of the proposed power line. Taking above into consideration, necessary action regarding issuance of **provisional PTCC route approval for 220 kV D/C transmission line from 400 kV S/S Panchgaon (PGCIL) to 220 kV S/S Panchgaon (HVPNL), Gurugram** may be taken.

Encl.: As above.

Signature Not Verified

Digitally signed by RAGHVENDRA PRATAP SINGH
Date: 2021.08.06 16:06:22 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, Headquarters Office, Baroda House, New Delhi-110001	With Annexure
3.	XEN TS Division	HVPNL; O/o XEN TS-Division, Sector-I, IMT Manesar, Gurugram.	Copy for information

MIC

ANNEXURE**Case No.: HRA-242****Name of the Power line:** 220 kV D/C transmission line from 400 kV S/S Panchgaon (PGCIL) to 220 kV S/S Panchgaon (HVPNL), Gurugram.**Map Scale** : 1 cm=500 m**Total Length** : 0.217 km**Soil Resistivity** : 50,000 ohm-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts
-------	------------------	------------------------------	--------------------------	----------------------------------	--------------

Northern Railway Ref. No. 342-SIG/1/PTCC/2021-22/06/02

Dated : 28.06.2021

Affected Blocks & Telecom Circuits Details**Delhi to Rewari Section**

1	Gurugram R/S to Garhi Harsaru R/S	Outside IV consideration zone	00
2	Garhi Harsaru R/S to Patli R/S	Outside IV consideration zone	00
3	Patli R/S to Jataula Jauri Sampka R/S	Outside IV consideration zone	00
4	Jataula Jauri Sampka R/S to Pataudi Road R/S	Outside IV consideration zone	00



जय (JANY)
असिस्टेंट डायरेक्टर-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत विभाग/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-66