



**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.: UP-502
PTCC proposal for 220 kV D/C Barabanki – Satrikh Road Transmission Line (24.709 km)

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL: 1495/ETD-II(L)/220 K.V. Barabanki – Satrikh Road Line	23.07.2019
(ii)	BSNL: DET/PTCC/ND/DV-9575/UP-786/2020-21	09.02.2021
(iii)	Northern Railway: 342-SIG/1/PTCC	07.08.2019
(iv)	Defense: B/46937/ Sigs 7(b)/1758	04.10.2019

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on block & telecom circuits of Northern Railway as per details furnished vide reference (iii) has been examined. Voltages likely to be induced on paralleling block & telecom circuits of Northern Railway under single line to ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. Vide ref. (ii) above, BSNL 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. Vide ref. (iv) above, Defense have conveyed No Objection Certificate (a copy enclosed as Annexure-II).

Taking above into consideration, take necessary action for issuance of PTCC route approval.

**Encl.:** As above.

Signature Not Verified  
Digitally signed by  
RAGHVENDRA PRATAP SINGH  
Date: 2021.06.29 16:56:45 IST

**Director**

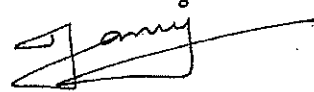
**To,**

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.	General Manager/S&T	Northern Railway, Headquarters Office, Baroda House, New Delhi – 110001	Annexure-I only
3.	Executive Engineer	UP Power Transmission Corporation Ltd, Electy. Transmission Division-II, Room no. 211-216, 1 <sup>st</sup> floor, Pareshan Bhawan, UPSLDC Campus, Vibhuti Khand, Gomti Nagar, Lucknow - 226010	Copy for information

**ANNEXURE - I**

<b>Case No.: UP-502</b> <b>Name of the Power Line: 220 kV D/C Barabanki -- Satrikh Road Transmission Line.</b>		Map Scale : 1 cm = 500 m Route Length : 24.709 km Soil Resistivity : 15,000 Ohm-cm			
S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)

<b>NORTHERN RAILWAY: Ref. No: 342-SIG/1/PTCC dated 07.08.2019</b>					
<b><u>Affected Blocks &amp; Telecom Circuits Details</u></b>					
1	Malhaur R/S to Safedabad R/S	4.6	0.0013	8500	11
2	Safedabad R/S to Barabanki R/S	4.9	0.0006	6600	4
3	Barabanki R/S to Rasauli R/S	3.2	0.0004	8200	3



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