



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

No.: CEA/PCD/PTCC/UP-530/295-297

Date: 14.07.2020

Subject: PTCC proposal for LILO of 400 kV DC Unchahar(NTPC)-Fatehpur (PGCIL) at Raibareilly.

Ref. : (i) UPPTCL Ref. 327/ETDR/400 kV LILO  
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9671/UP-842/2019-2020  
(iii) Northern Railway Ref. No. 342-SIG/1/PTCC/2019-20/02/02

Dated: 13.03.2020

Dated: 08.07.2020

Dated: 13.02.2020

The PTCC proposal submitted vide above ref. (i) has been examined. The low frequency induction on block circuits/Telecom circuits of Northern Railway as per details furnished vide ref. (iii) has been examined. The Average Soil Resistivity value has been taken as 10,000 Ohms-cm. Voltages likely to be induced on paralleling Block/Telecom circuits of Northern Railway under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered.

BSNL vide ref. (ii) above, has intimated that there are no U/G cable and no armoured OFC within 08 kms of the proposed power line and hence, issued No Objection Certificate (NOC).

Telecommunication details from Defense are pending and the power authority has shown urgency for the charging of the line. In view of this kindly take necessary action regarding issuance of provisional PTCC route approval for LILO of 400 kV DC Unchahar(NTPC)-Fatehpur (PGCIL) at Raibareilly.

Encl.: As above.

*Upendra Kumar*  
14.07.2020

(Upendra Kumar)  
Chief Engineer

To,  
The Divisional Engineer (Telecom), BSNL  
PTCC O/o GM (North), Inspection Circle (T & D),  
CTS Compound, Netaji Nagar,  
Africa Avenue, New Delhi - 110023

*M/C*

Copy to:

1. Executive Engineer, Electricity Transmission Division, UPPTCL, 132 kV S/s Tripula campus, Raebareilly, Uttar Pradesh-229001.

2. General Manager (S&T), Northern Railway, Headquarter Office, Baroda House, New Delhi.

14.07.2020

## ANNEXURE - I

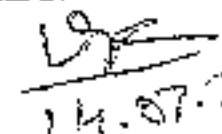
Case No.: UP-530 Name of the Power line: LILO of 400 kV DC Unchahar(NTPC)- Fatehpur (PGCIL) at Raibareilly.		Map Scale : 1cm=500mts Total Length : 35.409 Km. S.R. Value : 10,000 Ohms-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

## NORTHERN RAILWAY

Ref. No: 342-SIG/1/PTCC/2019-20/02/02

DATED: 13.02.2020

Affected Blocks & Telcom Circuits Details					
1	Manjhilepur- Iswardaspur	Outside IV Calculation Consideration Zone			
2	Iswardaspur- Unchahar	Outside IV Calculation Consideration Zone			
3	Unchahar-Arkha	2.3	0.0045	14200	6-
4	Arkha-Pariawan K.K Road	2.1	0.0027	14150	38
5	Pariawan K.K Road- Garhi Manikpur	Outside IV Calculation Consideration Zone			
6	Lachmanpur-Ramchanderpur	Outside IV Calculation Consideration Zone			
7	Ramchanderpur-Unchahar	Outside IV Calculation Consideration Zone			

  
 14.07.20  
 मुख्य अभियंता/Chief Engineer  
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/Govt. of India  
 नई दिल्ली/New Delhi