

I/27657/2023



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**

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CEA Case No. : UP-595		
PTCC approval for LILO of Ckt-II of 220 kV Auraiya(400)-Sikandra(Agra) line at 220 kV Saifai S/S.[Length-15.108 km]-Regd.		
S. No	Reference No.	Dated
(i)	UPPTCL: 1046/ETD(E)/L-22	12.05.2022
(ii)	UPPTCL: 1540/ETD(E)/220kVs/sSaifai	02.05.2023
(iii)	BSNL: DET/PTCC/ND/DV-10098/UP-1071/2022-23	18.03.2023
(iv)	North Central Railway: एनसीआर/एसएंडटी/2074/टेलीकॉम/पीटीसीसी (पार्ट-1)	24.02.2023
(v)	Defense: B/46937/Sigs7(b)/2884	11.07.2022

The PTCC proposal submitted vide reference (i) and (ii) has been examined. The LF induction on Block and Telecom circuits of North Central Railway with respect to details furnished vide above reference (iv) has been computed. The voltage likely to be induced on paralleling Block and Telecom circuits of North Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors as applicable have been considered. DET (PTCC), NZ, BSNL and DG Signals, MoD have issued No Objection Certificate (NOC) vide reference (iii) & (v) respectively.

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line might be taken under intimation to this office.

Encl.: As above

**Chief Engineer**

**To,**

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	GM (S&T)	HQ Office, Ganga Parisar North Central Railway Prayagraj	Annexure-I
3.	Ex. Engineer UPPTCL	Electricity Transmission Division 132 kV S/S, Kunera Etawah	Copy for information.

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ANNEXURE-I

CEA Case No.: UP-595			Map Scale : 1 cm= 500 m		
Name of the Power line: LILO of Ckt-II of 220 kV Auraiya(400)-Sikandra(Agra) line at 220 kV Saifai S/S.			Total Length : 15.108 km		
			S.R. Value : 5,000 Ohm-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
North Central Railway Letter No: एनसीआर/एसएंडटी/2074/टेलीकॉम/पीटीसीसी(पार्ट-1) Dated: 24.02.2023					
<b><u>Affected Blocks &amp; Telecom Circuits Details</u></b>					
<b><u>Etawah-Saifai Section</u></b>					
1	Etawah R/s to Saifai R/s	7	0.0017	28800	49