



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-497/ 292-294

Date: 14.07.2020

Subject: PTCC proposal for 220 kV DC PGCIL Shahjahanpur (400 kV)- Ajeejpur (Shahjahanpur) Transmission line.

Ref. : (i) UPPTCL Ref.5/3 ETD(S)/DCML Dated: 04.05.2019  
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9457/UP-707/2019-2020 Dated: 08.07.2020  
(iii) Northern Railway Ref. No. 342-SIG/1/PTCC Dated: 29.07.2019

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 15,000 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 220 kV DC PGCIL Shahjahanpur (400 kV)- Ajeejpur (Shahjahanpur) Transmission line.

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

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Copy to:

1. Executive Engineer, Electricity Transmission Division, UPPTCL, 220 kV Sub-Station, Powayan Road, Shahjahanpur, Uttar Pradesh-242001.

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

## ANNEXURE - I

Case No.: UP-497 Name of the Power line: 220 kV DC PGCIL Shahjahanpur (400 kV)- Ajeepur (Shahjahanpur) Transmission line.			Map Scale : 1cm=500mts Total Length : 24.474 Km. S.R. Value : 15,000 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

DATED: 29.07.2019

Affected Blocks & Telcom Circuits Details

1	Shahjahanpur-Rosa	Out of IV calculation Consideration Zone			
2	Rosa-Kahilia	2.4	0.01	5400	54
3	Rosa-Bantra	4.6	0.0062	10000	62

  
 मुख्य अभियंता/Chief Engineer  
 केंद्रीय विद्युत प्राधिकरण/C.E.A.  
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