



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-496/ 289 = 291

Date: 14.07.2020

Subject: PTCC proposal for 220 kV SC Shahjahanpur (220 kV) - Ajejjpur (Shahjahanpur) Transmission line.

Ref. : (i) UPPTCL Ref.506 ETD(S)/DCML
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9460/UP-710/2019-2020
(iii) Northern Railway Ref. No. 342-SIG/I/PTCC

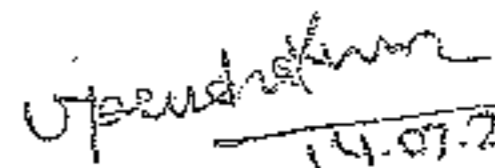
Dated: 04.05.2019
Dated: 08.07.2020
Dated: 29.07.2019

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 SC Shahjahanpur (220 kV)- Ajejjpur (Shahjahanpur) Transmission line.

Encl.: As above.


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.

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ANNEXURE - I

Case No.: UP-496		Map Scale : 1cm=500mts			
Name of the Power line: 220 kV SC Shahjahanpur (220 kV)-		Total Length : 28.314 Km.			
Ajeejpur (Shahjahanpur) Transmission line..		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	2.8	0.008	5600	45
3	Rosa-Bantra	5.6	0.0028	10000	28

14/07/20

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