



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युतसंचारविकासप्रभाग
Power Communication Development Division



No.: CEA/PCD/ PTCC/UTR-27/534-36

Date: 15.09.2020

Subject: PTCC proposal of 400 kV D/C Dhauliganga- Bareilly transmission line. (Diversion Work) -regd.

Ref.: (i) PGCIL Ref. No. NR3/Dganga/BLY/PTCC/ Dated: 14.09.2019
(ii) BSNL Ref. No. GMTD/BR/PLG/Transmission/2016-17 Dated: 21.08.2019
(iii) North Eastern Railway Ref. No.: N/242/1(Tele) PTCC Part-I/604 Dated: 28.08.2019

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of North Eastern Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The Soil Resistivity (SR) value has been taken as 20,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of North Eastern Railway under Single Line to Ground fault condition are enclosed at Annex-I and Annex-II respectively. The screening factors, as applicable have been considered.

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 400 kV D/C Dhauliganga-Bareilly transmission line transmission Line.**

Encl.: As above.

Upendra Kumar
15.09.2020
(Upendra Kumar)
Chief Engineer

To,
The DET (PTCC), BSNL, Northern Zone,
O/o PGM (N), QA & Inspection Circle,
D-Tax Building, Eastern Court
Janpath, New Delhi 110001.

Copy to:

1. Dy. Chief Network Manager/ FOIS, O/o GM (S&T), Gorakhpur-273001. (Annex-II only)
2. Manager, TL, Bareilly, 400 kV Sub Station 21 km Mile Stone, Nainital Road, Post Attamanda, Bareilly-243202.

ANNEXURE - I

Name of the Power line: 400 kV D/C Dhauliganga- Bareilly transmission line. (Diversion Work)			Map Scale : 1cm=500mts Total Length : 7.866 Km. S.R. Value : 20,000 Ohms-cm		
S.No.	Telecom. Details	LOP in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

BSNL Ref. No.: GMTD/BR/PLG/Transmission/2016-17 Dated 21.08.2019					
<u>BSNL Details</u>					
1	Jadaunpur Exch- Road/Railway crossing 20 pair 2 kms		IV less than	430V	
2	Rithora Exch.-Bhandsar 20 pair 5 kms	}	Out of parallelism		
3	Rithora Exch.-Mundiya-Ahmadnagar 20 pair 5 kms				
4	Rithora BTS- Rithora old Exchange 50 pair 1 kms				
5	Bhajipura Exch. - SRMS Medical college 100 pairs 2 kms	}	IV less than	430V.	
6	Bhajipura Exch. - SRMS Engg. college 200 pairs 4 kms				

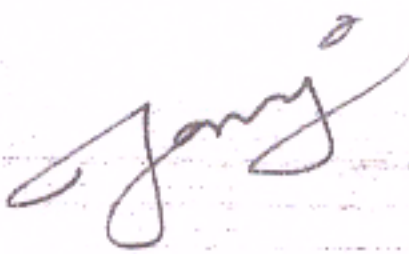
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तनुज /TANUJ
 सहायक निदेशक-II /Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण /C.E.A.
 विद्युत मंत्रालय /Ministry of Power
 भारत सरकार /Govt. of India
 नई दिल्ली /New Delhi-68

ANNEXURE – II

Case No.: UTR-27 Name of the Power line: 400 kV D/C Dhauliganga- Bareilly transmission line. (Diversion Work)			Map Scale : 1cm=500mts Total Length : 7.866 Km. S.R. Value : 20,000 Ohms-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

NORTH EASTERN RAILWAY Ref. No: N/242/1(Tele) PTCC Part-I/604 DATED: 28-08-2019					
<u>Affected Blocks & Telecom Circuits Details</u>					
1	Bojipura- Sethal	2.1	0.0072	9231	67
2	Bojipura – Devernia	6	0.0067	10469	70
3	Izzatnagar- Bojipura	0.9	0.0011	13475	15


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