

I/27253/2023



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

CEA Case No. : UP-617		
PTCC approval for diversion of 765 kV S/C Anpara 'D' – Unnao (Jhusi-Unnao Section) Transmission Line [Diverted Length-31.28 km]-Regd.		
S. No	Reference No.	Dated
(i)	UPPTCL: 1635/ETD-I (P)received on 03.04.2023	17.10.2022
(ii)	BSNL: DET/PTCC/ND/DV-10190/UP-1115/2022-23	27.03.2023
(iii)	Northern Railway: 256S&T/Tele/Tech/Gen.Correspondance/2022-23	18.01.2023
(iv)	Defense: B/46937/Sigs7(b)/3146	20.01.2023

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on Block and Telecom circuits of Northern Railway with respect to details furnished vide above reference (iii) has been computed. The voltage likely to be induced on paralleling Block and Telecom circuits of Northern 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 (ii) & (iv) 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)	Northern Railway, HQ Office Baroda House, Delhi	Annexure-I
3.	Ex. Engineer UPPTCL	Electricity Transmission Division Prayagraj	Copy for information.

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ANNEXURE-I

CEA Case No.: UP-617		Map Scale : 1 cm= 500 m			
Name of the Power line: PTCC approval for diversion of 765 kV S/C Anpara 'D' – Unnao(Jhusi-Unnao Section) Transmission Line [Diverted Length-31.28 km]		Total Length : 31.28 km			
		S.R. Value : 20,000 Ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
Northern Railway Letter No: 256S&T/Tele/Gen.Correspondance/2022-23 Dated 18.01.2023					
<u>Affected Blocks & Telecom Circuits Details</u>					
Unnao-Balamau Section					
1	Unnao R/s to Patiyara R/s	-Out of Parallelism-			
2	Patiyara R/s to Makhi R/s	-Out of Parallelism-			
Lucknow-Kanpur Section					
1	Magarwara R/s to Unna R/s	-Out of Parallelism-			
2	Unnao R/s to Sonik R/s	0.7	0.0003	26400	8
3	Sonik R/s to Aligain R/s	0.5	0.0002	26780	5
Unnao-Unchahar Section					
1	Unnao R/s to Bighapur R/s	2	0.0005	21540	11
2	Bighapur R/s to Takia R/s	1.5	0.0032	21480	69
3	Takia R/s to Raghuraj Singh R/s	3	0.0065	21380	139
4	Bighapur R/s to Lalganj R/s	2.5	0.0014	21150	30
5	Lalganj R/s to Dalmau R/s	3	0.003	21080	63
6	Dalmau R/s to Jalalpur Dhari R/s	-Out of Parallelism-			
7	Jalalpur Dhari R/s to Unchahar R/s	-Out of Parallelism-			
Dalmau-Daryapur Section					
1	Dalmau R/s to Radhabalmpur R/s	-Out of Parallelism-			
2	Radhabalmpur R/s to Urbani R/s	-Out of Parallelism-			
3	Urbani R/s to Daryapur R/s	-Out of Parallelism-			
Raebareli-Unchahar Section					
1	Daryapur R/s to Lachmanpur R/s	1.2	0.0004	26800	11
2	Lachmanpur R/s to Ubrani R/s	1.5	0.0003	26560	8
3	Ramchandarpur to Unchahar R/s	-Out of Parallelism-			
Partargarh-Phaphamau Section					
1	Dhir Ganj R/s to Mauaimma R/s	-Out of Parallelism-			

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2	Mauaimma R/s to Siwaith R/s	-Out of Parallelism-
3	Siwaith R/s to Phaphamau R/s	-Out of Parallelism-
Phaphamau-Janghai Section		
1	Phaphamau R/s to Tharwai R/s	-Out of Parallelism-
2	Tharwai R/s to Sarai Chandi R/s	-Out of Parallelism-
3	Sarai Chandi R/s to Phulpur R/s	-Out of Parallelism-
4	Phulpur R/s to Ugrasenpur R/s	-Out of Parallelism-