



सत्यमेव जयते

भारत गुरु PETA  
वैश्व कटुम्बकम्  
ONE EARTH - ONE FAMILY - ONE FUTURE

**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-607		
PTCC approval for diversion of 765 kV S/C Anpara 'C' – Unnao Transmission Line [Diverted Length-15.64 km]-Regd.		
S. No	Reference No.	Dated
(i)	UPPTCL: 1636/ETD-I(P)..... (received on 03.04.2023)	17.10.2022
(ii)	BSNL: DET/PTCC/ND/DV-10191/UP-1116/2022-23	27.03.2023
(iii)	Northern Railway: 342-SIG/1/PTCC/2022-23/12/01	02.12.2022
(iv)	Defense: B/46937/Sigs7(b)/3147	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.

**ANNEXURE-I**

<b>CEA Case No.:</b> UP-607			<b>Map Scale</b> : 1 cm= 500 m		
<b>Name of the Power line:</b> PTCC approval for diversion of 765 kV S/C Anpara 'C' – Unnao Transmission Line [Diversion Length-15.64 km].			<b>Total Length</b> : 15.64 km		
			<b>S.R. Value</b> : 20,000 Ohm-cm		
<b>S.No.</b>	<b>Telecom. Details</b>	<b>Length of Parallelism in Km.</b>	<b>Mutual Coupling in Ohms.</b>	<b>Effective Fault current in Amps.</b>	<b>I.V in Volts.</b>
<b>Northern Railway</b> Letter No: 342-SIG/1/PTCC/2022-23/12/01 Dated 02.12.2022					
<b><u>Affected Blocks &amp; Telecom Circuits Details</u></b>					
<b>Unnao-Balamau Section</b>					
1	Unnao R/s to Patiyara R/s	-Out of Parallelism-			
2	Patyara R/s to Makhi R/s	-Out of Parallelism-			
<b>Lucknow-Kanpur Section</b>					
1	Jaitipur R/s to Ajgain R/s	-Out of Parallelism-			
2	Ajgain R/s to Sonik R/s	0.7	0.0003	26400	8
3	Sonik R/s to Unnao R/s	0.5	0.0002	26780	5
4	Unnao R/s to Magarwara R/s	-Out of Parallelism-			
<b>Unnao-Phaphamau Section</b>					
1	Unna R/s to Bighapur R/s	2	0.0005	21540	11
2	Bighapur R/s to Takia R/s	-Out of Parallelism-			
3	Takia R/s to Raghuraj Singh R/s	2	0.007	21400	150
4	Raghuraj Singh R/s to Lalganj R/s	2.5	0.0014	21150	30
5	Lalganj R/s to Dalmau R/s	-Out of Parallelism-			
6	Dalmau R/s to Jalalpur Dhari R/s	-Out of Parallelism-			
7	Jalapur Dhari R/s to Unchahar R/s	-Out of Parallelism-			
8	Unchahar R/s to Arkha R/s	-Out of Parallelism-			
9	Arkha R/s to Pariwan Kala Kankar Road R/s	-Out of Parallelism-			
10	Pariwan Kala Kankar Road R/s to Garhi Manikpur R/s	-Out of Parallelism-			
11	Garhi Manikpur R/s to Kunda Harnamganj	-Out of Parallelism-			
12	Kunda Harnamganj R/s to Bhadri R/s	-Out of Parallelism-			
13	Bhadri R/s to Lalgopal ganj R/s	-Out of Parallelism-			
14	Lalgopal ganj R/s Ramchaura Road R/s	-Out of Parallelism-			
15	Ramchaura Road R/s to Atrampur R/s	-Out of Parallelism-			

16	Atrampur R/s to Phaphamau R/s	-Out of Parallelism-
<b>Unchahar – Raebarelli Section</b>		
1	Unchahar R/s to Lachmanpur R/s	-Out of Parallelism-
2	Lachmanpur R/s to Daryapur R/s	-Out of Parallelism-
3	Daryapur R/s to Raebarelli R/s	-Out of Parallelism-
<b>Daryapur-Dalmau Section</b>		
1	Daryapur R/s to Ubarni R/s	-Out of Parallelism-
2	Ubarni R/s to Dalmau R/s	-Out of Parallelism-