

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
पावर कम्युनिकेशन डवलपमेंट प्रभाग  
Power Communication Development Division

No.: CEA/PCD/ PTCC/UP-443/715-715

Date: 17.06.2019

The Divisional Engineer (Telecom), BSNL  
PTCC O/o GM (North), Inspection Circle (T & D),  
CTS Compound, Netaji Nagar,  
Africa Avenue, New Delhi - 110023

**Subject:** PTCC proposal of 220kV Roza- C.B. Ganj Transmission line (Dohna- C.B. Ganj section)

**Ref. :** (i) BSNL ref. No. DET/PTCC/ND/DV-9435/UP-694/2019-20 Dated : 31.05.2019  
(ii) North Eastern Railway, Ref. No. N/242/0 (Tele)/PTCC Pt-I/973 Dated: 16.12.2015  
(iii) Defence, ref. no. B/46937/Sigs 7(b)/543/ Dated: 25.05.2017

Sir,

The instant PTCC proposal has been examined. The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii) respectively has been examined. The Soil Resistivity value has been taken as 50,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL Telecom Cables and Railway Telecommunication circuits under single line to ground fault condition are enclosed at Annex-I & II respectively. The screening factors as applicable have been considered. Defense has accorded NOC vide above ref. (iii) for the line (a copy enclosed at Annex-III).

Information received from NE Railway and Defence pertains to railway crossings only, which is inadvertent for PTCC proposal. CEA has considered the details received for complete length of transmission line, while computing Induced voltage.

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

**Encl.:** As above.

m/c

  
(Naresh Bhandari) 1/6  
Chief Engineer

**Copy for information & n. a. pl. to:**

1. General Manager / S&T, North Eastern Railway, Headquarter Office, Gorakhpur, UP-273012 (Annex II only)
2. Executive Engineer, Electricity Transmission Division, UP Power Transmission Corporation Limited, Near LIC Office, Rampur Garden, Bareilly, U. P. - 243001

केस सं. : यू.पी.-443

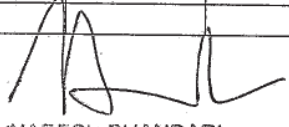
पावर लाइन का नाम: 220kV Roza- C.B. Ganj Transmission line (Dohna-  
C.B. Ganj section)

**अनुलग्नक I**

मानचित्र स्केल : 1सेमी=500 मीटर  
कुल लम्बाई : 24.225 कि.मी.  
एस. आर. मान : 50,000 ओम-सेमी

क्र.सं.	दूरसंचार विवरण	समानता की लम्बाई (की. मी.)	म्यूच्युअल कपलिंग (ओम में)	फाल्ट करंट (एम्पस में)	प्रेरित वोल्टेज (वोल्टस में)
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बीएसएनएल					
सन्दर्भ सं. डीईटी/पीटीसीसी/एनडी/डीवी-9435/यू.पी.-694/2019-20 दिनांक: 31.05.2019					
बीएसएनएल विवरण					
1	C. B. Ganj T. Exch - Paraskhera	1.5	0.0301	9800	295
2	C. B. Ganj T. Exch- Camphor Factory		-- समांतरता से बाहर है --		
3	Bhojipura – SRMS CET Medical College	3.1	0.11	5600	616

  
नरेश भंडारी/NARESH BHANDARI  
मुख्य अभियन्ता / Chief Engineer  
केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi-66

कैस सं. : यू.पी.-443


पावर लाइन का नाम: 220kV Roza- C.B. Ganj Transmission line  
(Dohna- C.B. Ganj section)

**अनुलग्नक II**

मानचित्र स्केल : 1सेमी=500 मीटर  
कुल लम्बाई : 24.225 कि.मी.  
एस. आर. मान : 50,000 ओम-सेमी

क्र.सं.	दूरसंचार विवरण	समानता की लम्बाई (की. मी.)	म्यूच्युअल कपलिग (ओम में)	फाल्ट करंट (एमप्स में)	प्रेरित वोल्टेज (वोल्टस में)
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पूर्वोत्तर रेलवे					
संदर्भ सं N/242/0 (Tele)/PTCC Pt-I/973 दिनांक: 16.12.2015					
प्रभावित ब्लॉक और दूरसंचार सर्किट विवरण					
1	Bhojipura - Deorania	1.9	0.0152	6000	91
2	Bhojipura - Dohna	7.8	0.0268	6300	169
3	Dohna - Izatnagar	7.7	0.0084	9200	77
4	Bhojipura- Senthall	1.9	0.0113	7350	83

  
नरेश भंडारी / NARESH BHANDARI  
मुख्य अभियंता / Chief Engineer  
केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
विद्युत मंत्रालय / Ministry of Power  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi-66

Tele : 23019746

Directorate General of Signals  
Signals - 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011

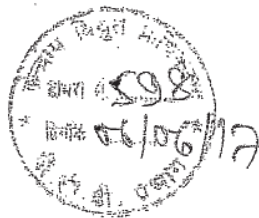
B/46937/Sigs 7(b)/543/

25 May 2017

Executive Engineer  
Electricity Transmission Division  
UP Power Transmission Corporation Ltd  
Near LIC Office, Rampur Garden  
Bareilly - 243001 (UP)

**PROPOSAL FOR PTCC CLEARANCE FOR 220 KV ROZA-C.B. FGANJ SINGLE CCT  
OVERHEAD TRANS LINE (UNDER CONSTRUCTION) CROSSING BETWEEN  
BHOJIPURA - ATAMANDA KM. 01/7-8 AND BHOJIPURA - DIBNAPUR, BAREILLY**

1. Ref your letter No 413/ETD/(B)/ dt 08 Mar 2017.
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.



**Encls :** (As above)

**Copy to :-**

✓ The Director (PTCC), CEA  
Power Communication Development Division  
NREB Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

*Bikram*  
(Bikram Kunwar)  
Lt Col  
GSO 1 (Comn)  
for SO-in-C

- for information