



आजादी का
अमृत महोत्सव

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-576 / 297-299
PTCC proposal of 220 kV D/C Raibareilly – Sangipur transmission line (13.902 km)

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL:707/ETD(P)/220 kV D/C Raibareilly–Sangipur line	09.06.2021
(ii)	BSNL: DET/PTCC/ND/DV-9972/UP-1000/2021-2022	14.03.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/08/08	26.08.2021
(iv)	Defense: B/46947/Sigs 7(b)/2531	15.09.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has conveyed its NOC. The LF induction on Block & Telecom circuits of Northern Railway with respect to details furnished vide above reference (iii) has been computed. The voltages likely to be induced on paralleling Block & 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. Vide reference (iv) above, The Defence Authority have issued No Objection Certificate (NOC). (a copy enclosed as Annex-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

राधेशंकर गुलाप 14/3
20.03.22
Director

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	.
2.	AESTE/UTS	Northern Railway, Headquarter Office, Baroda House, New Delhi	Only Annexure-I
3.	Executive Engineer	UPPTCL, Electricity Transmission Division, 220 kV S/S Bhupiamau, Pratapgarh, U.P. - 230131	Copy for information

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Power Communication Development Division

के.वि.प्रा. केस सं. : UP-576 / 298-299
पी.टी.सी.सी. प्रस्ताव 220 kV D/C Raibareilly – Sangipur transmission line (13.902 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	UPPTCL:707/ETD(P)/220 kV D/C Raibareilly–Sangipur line	09.06.2021
(ii)	BSNL: DET/PTCC/ND/DV-9972/UP-1000/2021-2022	14.03.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/08/08	26.08.2021
(iv)	Defense: B/46947/Sigs 7(b)/2531	15.09.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त संदर्भ (ii) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है। उत्तर रेलवे के ब्लॉक और टेलीकॉम सर्किट पर निम्न आवृत्ति प्रेरण गणना उपरोक्त संदर्भ (iii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर उत्तर रेलवे के ब्लॉक और टेलीकॉम सर्किट पर प्रेरित वोल्टेज अनुलग्नक-1 में संलग्न है। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। रक्षा प्राधिकरण ने उपरोक्त संदर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है (अनुलग्नक- II में संलग्न)।

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के संबंध में आवश्यक कार्रवाई की जाए।

संलग्न: उपरोक्त अनुसार

श्रीवैद्युत प्रताप सिंह
23-03-22
निदेशक

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	
2.	AESTE/UTS	Northern Railway, Headquarter Office, Baroda House, New Delhi	Only Annexure-I
3.	Executive Engineer	UPPTCL, Electricity Transmission Division, 220 kV S/S Bhupiamau, Pratapgarh, U.P. - 230131	Copy for information

ANNEXURE-I

Case No.: UP-576

Name of the Power line: 220 kV D/C Raibareilly – Sangipur transmission line

Map Scale : 1 cm=500 m
 Total Length : 13.902 km
 S.R. Value : 10,000 Ω-cm

S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.
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NORTHERN RAILWAY Ref. No: 342-SIG/1/PTCC/2021-22/08/08 Dated: 26.08.2021

Affected Blocks & Telecom Circuits Details

1	Jais R/S – Bani R/S	Outside IV consideration zone	0
2	Bani R/S – Gauri Ganj R/S		0
3	Gauri Ganj R/S – Talakhajuri R/S		0

Prateek

प्रतिष्ठित अधिकारी/Officer in Charge, NITRA
 सहायक निदेशक-II/Asst. Director-II
 केंद्रीय विद्युत प्राधिकरण/CILDA,
 विद्युत मंत्रालय/Ministry of Power,
 भारत सरकार/Govt. of India,
 नई दिल्ली-110001, India

Annex - II

Tele : 23019746

UP-576

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

B/46937/Sigs 7(b)/2531/

15 Sep 2021

Office of the Executive Engineer
Electricity Transmission Division
U.P. Power Transmission Corporation Limited
220KV S/S Bhupiamau Pratapgarh-230131

PTCC CLEARANCE FOR 220 KV D/C RAIBAREILY-SANGIPUR LINE

1. Refer your letter No 707/ETD(P)/220KV D/C Raibareilly-Sangipur line dt 09 Jun 2021 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

(A Rawat)
Lt Col
GSO 1 (Comn)
for SO-in-C

Enclosures : As above

Copy to :-

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

- for information

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

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14.10.21