

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

के.वि.प्रा. केस सं. : UP-587

पी.टी.सी.सी. प्रस्ताव 220 kV D/C Barcilly (400 kV) – Amriya transmission line (38.84 km)

सन्दर्भ:

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	UPPTCL: 1202/ETD-II(B)	26.11.2021
(ii)	BSNL: DET/PTCC/ND/DV-9796/UP-915/2021-2022	18.11.2021
(iii)	North Eastern Railway: NER-HQ0SndT(TELE)/21/2020-O/O PCSTE/HQ/NER	31.12.2020
(iv)	Defense: B/46947/Sigs 7(b)/2199	02.12.2020

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 पूर्वीय 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 पूर्वीय 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।

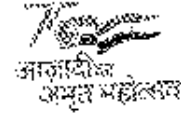
संलग्न: ऊपरोक्त अनुसार

प्रमुख निदेशक
22.11.2021
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.	GM(S&T)	North Eastern Railway, O/o of the General Manager (S&T), Gorakhpur, Uttar Pradesh	Only Annexure-I
3.	Executive Engineer	UPPTCL, Electricity Transmission Division-II, Hydrel Colony, Rampur Garden, Barcilly, U.P. - 243001	Copy for information

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Power Communication Development Division

CEA Case No. : UP-587/184-186

PTCC proposal of 220 kV D/C Bareilly (400 kV) - Amriya transmission line (38.84 km)

Reference:		Dated
S. No.	Reference No.	
(i)	UPPTCL: 1202/ETD-II(B)/	26.11.2021
(ii)	BSNL: DET/PTCC/ND/DV-9796/UP-915/2021-2022	18.11.2021
(iii)	North Eastern Railway: NER-HQ0SndT(TELE)/21/2020-O/O PCSITF/HQ/NER	31.12.2020
(iv)	Defense: B/46947/Sigs 7(b)/2199	02.12.2020

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has conveyed its NOC. The LI' induction on Block & Telecom circuits of North Eastern 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 North Eastern 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.

Sugimvendra Prasad Singh
22/12/2021
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.	GM(S&T)	North Eastern Railway, O/o of the General Manager (S&T), Gorakhpur, Uttar Pradesh
3.	Executive Engineer	UPPTCL, Electricity Transmission Division-II, Hydrel Colony, Rampur Garden, Bareilly, U.P. - 243001

Only Annexure-I

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ANNEXURE-I

CEA Case No.: UP-587

Name of the Power line: 220 kV D/C Bareilly (400 kV) – Amriya transmission line

Map Scale : 1 cm=500 m

Total Length : 38.84 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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NORTH EASTERN RAILWAY Ref. No: NER-HQ08ndT(TELE)/21/2020-O/O PCSTE/HQ/NER
Dated: 31.12.2020Affected Blocks & Telecom Circuits Details

1	Dohna – Izatnagar	Out of parallelism			0
2	Dohna – Bojipura	2.1	0.0013	10000	13
3	Bojipura – Sethal	12.8	0.0062	10000	62
4	Sethal – Bijauria	6.5	0.0011	6900	8

Prateek

3. Statement of the affected
telecom circuits and their
status from the point of view
of the responsibility of power
line operators, Dept. of India
of Power System Fault

Annex - II

File No. 23019746

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


02 Dec 2020

BM6937/Sigs 7(b)/2199/

Office of the Executive Engineer
Electricity Transmission Division-II
U.P. Power Transmission Corporation Limited
Hydel Colony, Rampur Garden,
Bareilly 243001 (U.P.)

PTCC CLEARANCE FOR 220KV D/C BAREILLY(400KV)- AMARIYA TRANSMISSION LINE

1. Ref your letter No 1160/ETD-II/S/ dt 24 Sep 2020. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide 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)
Maj
GSO 1 (Comm)
for SO-in-C

Enclosures : As above

Copy to :-

The Director (PTCC), CEA
Power Communication Development Division
NERPC Complex, 18-A Shaheed Jeeb Singh Marg
Kailash Sarai, New Delhi - 110016

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

} for information