



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-583 / 260-262
PTCC proposal of LILO of 220 kV D/C Moradabad (400 kV) – Rampur (220 kV) line at Rampur (765 kV) (8.390 km).

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL: 1230/ETD/Rampur	24.07.2021
(ii)	BSNL: DET/PTCC/ND/DV-9936/UP-981/2021-2022	03.03.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/09/02	02.09.2021
(iv)	Defense: B/46947/Sigs 7(b)/2562	25.10.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL, vide above reference (ii), has conveyed its No Objection Certificate (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.

प्रमुख विद्युत संचार विभाग
Director 12.04.22

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
3.	Executive Engineer	UPPTCL, Electricity Transmission Division, Rampur (U.P.)
		Only Annexure-I Copy for information

File No.CEA-PS-17-11(11)/23/2022-PCD Division



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Power Communication Development Division

के.वि.प्रा. केस सं. : UP-583 / 260-262
पी.टी.सी.सी. प्रस्ताव LILO of 220 kV D/C Moradabad (400 kV) – Rampur (220 kV) line at Rampur (765 kV) (8.390 km)

सन्दर्भः	क्रमांक	सन्दर्भ सं.	दिनांक
(i)		UPPTCL: 1230/ETD/Rampur	24.07.2021
(ii)		BSNL: DET/PTCC/ND/DV-9936/UP-981/2021-2022	03.03.2022
(iii)		Northern Railway: 342-SIG/1/PTCC/2021-22/09/02	02.09.2021
(iv)		Defense: B/46947/Sigs 7(b)/2562	25.10.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल ने उपरोक्त सन्दर्भ (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 सन्दर्भ (iv) के द्वारा अनापत्ति प्रमाण पत्र जारी किया है (अनुलग्नक- III में संलग्न)।

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

संलग्न: ऊपरोक्त अनुसार

राधेवीरु शर्मा सिंह
13.04.22
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, Rampur (U.P.)	Copy for information

ANNEXURE-I

CEA Case No.: UP-583		Map Scale : 1 cm=500 m			
Name of the Power line: LILO of 220 kV D/C Moradabad (400 kV) – Rampur (220 kV) line at Rampur (765 kV)		Total Length : 8.390 km			
		S.R. Value : 20,000 Ω-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	LV in Volts.

NORTHERN RAILWAY Ref. No: 342-SIG/1/PTCC/2021-22/09/02 Dated: 02.09.2021

Affected Blocks & Telecom Circuits Details

1	Rampur R/S – Shahzadnagar R/S	Out of parallelism			0
2	Shahzadnagar R/S – Dhamora R/s	0.9	0.0014	10000	14
3	Dhamora R/s – Duganpur R/S	3.8	0.0019	8500	16
4	Duganpur R/S – Milak R/S	1.8	0.0003	8200	2
5	Milak R/S – Nagaria Sadat R/S	Out of parallelism			0

Prateek

प्रतीक श्रीवास्तव/PRATEEK SRIVASTAVA
सहायक निदेशक-II/Asstt. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi

Tele : 23019746

Annex-II UP-583

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

B/46937/Sigs 7(b)/2562/

25 Oct 2021

Office of the Executive Engineer
Electricity Transmission Division
U. P. Power Transmission Corporation Limited
Rampur, 244901

**PTCC CLEARANCE FOR 220KV MORADABAD (400)- RAMPUR (220) LILO AT
765KV RAMPUR D/C TRANSMISSION LINE OF UPPTCL**

1. Refer your letter No 1230/ETD/Rampur dt 24 Jul 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

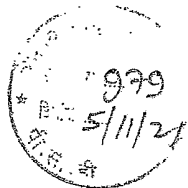
Enclosures : As above

Copy to :-

✓ The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeeb 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



- Sh. Tams'
PPS