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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-573 / 268-270
PTCC proposal of LILO of 220 kV Hapur – Simbhaoli line at 400 kV Simbhaoli S/S (19.427 km)

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL: 871/ETD/Hapur	14.07.2021
(ii)	BSNL: DET/PTCC/ND/DV-9938/UP-983/2021-2022	03.03.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/09/04	02.09.2021
(iv)	Defense: B/46947/Sigs 7(b)/2565	25.10.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL and Block & Telecom circuits of Northern Railway with respect to details furnished vide above reference (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of Northern Railway under Single Line to Ground fault condition are enclosed at Annexure-I & II respectively. 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-III).

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

Encl.: As above.

राज्यमंत्री प्रमाणित
13.04.22
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-II
3.	Executive Engineer	UPPTCL, Electricity Transmission Division, 220 kV Hybrid S/S Hapur, Anand Vihar Colony, Hapur, U.P. - 245101	Copy for information



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Power Communication Development Division

के.वि.प्रा. केस सं. : UP-573 / 268-270
पी.टी.सी.सी. प्रस्ताव LILO of 220 kV Hapur – Simbhaoli line at 400 kV Simbhaoli S/S (19.427 km)

सन्दर्भ:		
क्रमांक	सन्दर्भ सं.	दिनांक
(i)	UPPTCL: 871/ETD/Hapur	14.07.2021
(ii)	BSNL: DET/PTCC/ND/DV-9938/UP-983/2021-2022	03.03.2022
(iii)	Northern Railway: 342-SIG/1/PTCC/2021-22/09/04	02.09.2021
(iv)	Defense: B/46947/Sigs 7(b)/2565	25.10.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बीएसएनएल के टेलीकॉम केबल और उत्तर रेलवे के ब्लॉक और टेलीकॉम सर्किट पर निम्न आवृत्ति प्रेरण गणना क्रमशः उपरोक्त संदर्भ (ii) एवं (iii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फाल्ट अवस्था में समानांतर बीएसएनएल के टेलीकॉम केबल और उत्तर रेलवे के ब्लॉक और टेलीकॉम सर्किट पर प्रेरित वोल्टेज क्रमशः अनुलग्नक-I एवं II 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- III में संलग्न)।

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

संलग्न: ऊपरोक्त अनुसार

राधेवेंद्र प्रताप सिंह
3/5/22
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-II
3.	Executive Engineer	UPPTCL, Electricity Transmission Division, 220 kV Hybrid S/S Hapur, Anand Vihar Colony, Hapur, U.P. - 245101	Copy for information

Case No. : UP-573

Name of the Power Line: LLO of 220 KV Hapur- Simbhaoli Line @
Simbhaoli (400 KV) Substation

Annexure I

Toposheet Scale : 1cm=500mts

Total Length : 19.427 Kms

S.R Value : 20000 Ohm-cm

Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
BSNL					
	BSNL Details				
1	Simbhaoli Exchange to Khudalia 100 pair, 2 KM				
2	Simbhaoli Mill to Simbhaoli City 200 pair, 1.5 KM				
3	Simbhaoli Mill to Buxer 200 pair, 2 KM				
					IV less than 430V

Prateek

प्रतीक श्रीवास्तव/Prateek Sr. WASTAVA
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

UP-573

Annex-III

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

B/46937/Sigs 7(b)/2565/

9/5 Oct 2021

Office of the Executive Engineer
U.P. Power Transmission Corporation Limited
Electricity Transmission Division
220KV Hybrid SubStation, Hapur
Anand Vihar Colony, Hapur-245101

**PTCC CLEARANCE FOR LILO OF 220KV HAPUR-SIMBHAOLI @400 LINE AT
SIMBHAOLI (400) LINE**

1. Refer your letter No 871/ETD/HAPUR dt 14 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.

(Signature)

(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



(Signature)
PPS