



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत संचार विकास प्रभाग  
Power Communication Development Division  
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के.वि.प्रा. केस सं. : UP-554:

पी.टी.सी.सी. प्रस्ताव LILO of S/C of 765 kV Hapur to Greater Noida transmission line at 765 kV GIS S/S, Meerut: 60.71 km

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	Powergrid MSTL: PG/NR-I/PMSTL/PTCC/2021/676 (and details received on 10.05.2022)	25.01.2021
(ii)	BSNL:DET/PTCC/ND/DV-9847/UP-938/2020-2021	01.06.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/02/08	23.02.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2337	26.03.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। बी.एस.एन.एल. के टेलिकॉम केबलों एवं उत्तर रेल के ब्लॉक और टेलीकॉम सर्किट पर निम्न आवृत्ति प्रेरण गणना क्रमशः उपरोक्त संदर्भ (ii) और संदर्भ (iii) में दिए गए विवरणों के संबंध में की गई है। सिंगल लाइन टू ग्राउंड फॉल्ट की स्थिति के तहत बी.एस.एन.एल. और उत्तर रेल के ब्लॉक और टेलीकॉम सर्किट के समानांतर दूरसंचार केबलों पर प्रेरित होने की संभावना वाले वोल्टेज क्रमशः अनुलग्नक-I और अनुलग्नक-II में संलग्न हैं। स्क्रीनिंग कारक का मान यथानुरूप लिया गया है। उपरोक्त संदर्भ (iv) द्वारा, रक्षा प्राधिकरण ने अनापत्ति प्रमाण पत्र (एन.ओ.सी.) जारी किया है।

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

**संलग्न:** ऊपरोक्त अनुसार

आपके प्रमाण पत्र  
निदेशक 12.05.22

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	केवल अनुलग्नक-I
2.	AESTE/UTS	Northern Railway, Head Quarter Office, Baroda House, New Delhi-110001.	केवल अनुलग्नक-II
3.	CEO, Powergrid MSTL	Powergrid MSTL, Plot No. 1, Pocket-N, Ganga Nagar, Meerut-250001.	जानकारी हेतु



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**Power Communication Development Division**

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CEA Case No.: UP-554:
PTCC proposal for LILO of S/C of 765 kV Hapur to Greater Noida transmission line at 765 kV GIS S/S, Meerut: 60.71 km

Reference:		
S. No.	Reference No.	Dated
(i)	Powergrid MSTL: PG/NR-I/PMSTL/PTCC/2021/676 ( and details received on 10.05.2022)	25.01.2021
(ii)	BSNL:DET/PTCC/ND/DV-9847/UP-938/2020-2021	01.06.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/02/08	23.02.2021
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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 references (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 and Annexure-II respectively. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line.

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

Encl.: As above.

शास्त्रीजी प्रताप सिंह  
 Director 12.05.22

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	Annexure-I only
2.	AESTE/UTS	Northern Railway, Head Quarter Office, Baroda House, New Delhi-110001.	Annexure-II only
3.	CEO, Powergrid MSTL	Powergrid MSTL, Plot No. 1, Pocket-N, Ganga Nagar, Meerut-250001.	Copy for information

CEA

Case No. : UP-554

(Annexure I)

Name of the Power Line: LILO of 765 KV S/C (Quad ACSR Bersimis)  
Greater Noida- Hapur Transmission Line  
at 765/400 KV GIS Meerut

Toposheet Scale : 1cm=500mts  
Total Length : 60.71 km  
S.R Value : 25,000 Ohm-cm

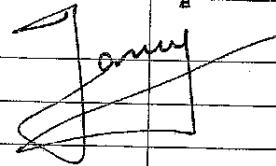
Sl. No.	Name of Telecom Line	LOP in Kms	MC in Ohms	Fault Current (Amps)	IV in Volts
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BSNL

Reference No. DET/PTCC/ND/DV-9847/UP-938/2020-21  
Date : 01.06.2021

BSNL Details					
1	Kithor to shajanpur road ( 200 pair / 2.5 Km )				
2	Kithor to RK College ( 200 pair - 3 Km)				
3	Machhra TE to Machhra village (800/400 pair -1 km 0				
4	Machhra TE to sholda village (100 pair - 1 km )				
5	Machhara TE to hasanpur ( 100 pair /3.5 km )				
6	Sisauli TE to murlipur ( 100 pair -2.5KM )				
7	Sisauli TE to Pachgaoh ( 50 pair -3 KM				
8	Sisauli TE to naglamar ( 100 pair - 50 KM				
9	Ajarara TE to Itaula road ( 50 pair - 3.5 Km)				
10	Kharkhadha to Panchi road ( 50 /100 pair - 3.5 KM )				
11	Kharkhadua to Kharkhadua P.S ( 200/ 400 pair - 3 KM )				
12	Parichatgarh TS to Khajuri road ( 200 pair / 4 km )				
13	Parichatgarh TS to Khajuri road ( 100 pair / 2 km )				
14	Pilkhra TE to PNB ( 800 pair / 1 KM )				
15	Pilkhra TE to Premnati Inter College ( 800 pair / 1 KM )				
16	Pilkhra TE to Old TE Pilkhara( 800 pair / 1.5 KM )				
17	Hapur Main TE to Dheerkhera ( 400 pair- 4 KM)				
18	Hapur Main TE to Kotla ( 800 pair- 3 KM)				
19	Hapur Main TE to Titarpur ( 400 pair- 5.5 KM)				
20	Hapur Main TE to Achheja ( 400 pair- 4.5 KM)				
21	Kishanganj TE toMandi ( 400 pair- 3.5 KM)				

IV less than 430V



सहायक निदेशक-II/Asstt. Director-II  
विद्युत विभाग/Ministry of Power  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi-110002

**ANNEXURE-II**

<b>CEA Case No.: UP-554</b>			<b>Map Scale : 1 cm=500 m</b>		
<b>Name of the Power line: LILO of S/C of 765 kV Hapur to Greater Noida transmission line at 765 kV GIS S/S, Meerut.</b>			<b>Total Length : 60.71 km</b>		
			<b>S.R. Value : 25,000 <math>\Omega</math>-cm</b>		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	V.V in Volts.

Northern Railway Ref. No. : 342-SIG/1/PTCC/2020-21/02/08

Dated: 23.02.2021

**Affected Blocks & Telecom Circuits Details****Meerut City- Hapur section**

1	Meerut City R/S to Kharkhauda R/S	Out of Parallelism			00
2	Kharkhauda R/S to Kailli R/S	5.2	0.0016	15667	25
3	Kailli R/S to Hapur R/S	3.6	0.0042	16698	70

**Ghaziabad- Moradabad section**

1	Dasna R/S to Pilkhuwa R/S	Out of Parallelism			00
2	Pilkhuwa R/S to Hapur R/S	4.1	0.0039	17440	68
3	Hapur R/S to Babugarh R/S	4.7	0.0009	16667	15
4	Kuchesar Road R/S to Simbhaoli R/S	Outside IV Consideration Zone			00
5	Simbhaoli R/S to Garhmuktesar R/S	Outside IV Consideration Zone			00



तनुज/TANUJ  
 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-66