



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

Case No.: UP-553:	20.09.2021
PTCC proposal for 400 kV D/C Meerut to Simhavali transmission line : 28.68 km	

Reference:		
S. No.	Reference No.	Dated
(i)	Powergrid MSTL: PG/NR-I/PMSTL/PTCC/2021/636	13.01.2021
(ii)	BSNL:DET/PTCC/ND/DV-9848/UP-939/2020-21	01.06.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/02/05	22.02.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2311	02.03.2021

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 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.

Signature Not Verified
Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2021.09.20 16:25:24 IST

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.	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

MIC

Case No. : UP- 553

Annexure I

Name of the Power Line: 400 KV D/C MEERUT - SIMBHAVALI
Transmission Line

Toposheet Scale : 1cm=500mts

Total Length : 28.68 Kms

S.R Value : 30,000 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-9848/UP-939/2020-21

Date : 01.06.2021

BSNL Details					
1	Machhra TE to machhra village 800 pair / 1400 pair (1 KM)				
2	Machhra TE to sholda village (100 pair / 1 KM)				
3	Kithor to shajanpur (200 pair / 2.5 KM)				
4	Kithor to RK college (200 /50 pair - 3 KM)				
5	Parichhatgarh to Khajani (200 pair / 4KM)				
6	Aghwarpur to chitmana (100 pair /2 KM)				
7	GarhTE to Garh Rly station chock (800 pair / 1 km)				
8	garhRly station chock to Rajnagar colony (100 pair / 1 km)				
9	Garh Rly station to dautai village (100 pair / 3.5 KM)				
10	Ambedkar gate to Subhas gate (100 pair / 3 KM)				IV less than 430V
11	Simbhavali TE to buxer village (100 pair / 2 KM)				
12	Simbhavali TE to Khutliya village (200 pair / 1 km)				
13	Dehakuti TE to sadarpur Village (100 pair / 1.5KM)				
14	Bahadurgarh TE to postoffice (100 pair /1 KM)				
15	Brijghat TE to syndicate bank road (100 pair / 1 KM)				
16	Parrichhatgarh to Khajuri road - No pair				

तनुज / TANUJ

सहायक निदेशक-II / Assst. Director-II
केन्द्रीय विद्युत प्राधिकरण /
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi-68

ANNEXURE-II

Case No.: UP-553 Name of the Power line: 400 kV D/C Meerut to Simbhavali transmission line.		Map Scale : 1 cm=500 m Total Length : 28.68 km S.R. Value : 30,000 ohm-cm			
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.


Northern Railway Ref. No. : 342-SIG/1/PTCC/2020-21/02/05

Dated: 22.02.2021

Affected Blocks & Telecom Circuits Details

Ghaziabad- Moradabad section

1	Babugarh R/S to Kuchesar Road R/S	Outside IV consideration zone			00
2	Kuchesar Road R/S to Simbhaoli R/S	Out of Parallelism			00
3	Simbhaoli R/S to Garhmuktesar R/S	3.1	0.0032	11638	38
4	Garhmuktesar R/S to Garhmuktesar Bridge R/S	3.5	0.0037	14464	54
5	Garhmuktesar Bridge R/S to Kankather R/S	Out of Parallelism			00
6	Kankather R/S to Gajroula R/S	Outside IV Consideration zone			00


 J. Singh
 Joint Secretary (Power)
 Ministry of Power
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 New Delhi-110002