



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

Case No. : UP-538:	dt. 19.02.21
PTCC proposal of LILO of 220 kV D/C Baraut to Shamli transmission line at 220 kV S/S Nirpura.	

Reference:		
S. No.	Reference No.	Dated
(i)	UPPTCL : 1804/ETD/BRT/220KV Nirpura	19.11.2020
(ii)	BSNL: DET/PTCC/ND/DV-9827/UP-930/2020-2021	12.01.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/01/01	11.01.2021
(iv)	UPPTCL: 102/ETD/Baraut/220KV Baraut-Shamli line	16.01.2021

The PTCC proposal submitted vide ref. (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 Annex-I and Annex-II respectively. The screening factors, as applicable, have been considered.

Telecommunication details from Defense are pending and the power authority has shown urgency for charging the line vide above ref. (iv). In view of this, necessary action regarding issuance of **provisional PTCC route approval for LILO of 220 kV D/C Baraut to Shamli transmission line at 220 kV S/S Nirpura** may be taken.

Encl.: As above.

Signature Not Verified
Digitally signed by RAGHVENDRA
PRATAP SINGH
Date: 2021.02.19 15:54:36 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	Annex-I only
2.	AESTE/UTS	Northern Railway, Office Headquarters, Baroda House, New Delhi-110001.	Annex-II only
3.	EE, Electricity Transmission Division	UPPTCL, 132 kV S/S Delhi Road, Baraut-250611.	Copy for information

Case No. : UP-538

Name of the Power Line: LILO of 220 KV Baraut- Shamli line at 220 KV Nirpura S/S

Annexure I

Toposheet Scale : 1cm=500mts

Total Length : 13.054 Kms

S.R Value : 20,000 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-9827/UP-930/2020-2021 Dated:- 12.01.2021

Date :

BSNL Details					
1	Doghat to Tikri Village 200 Pair (4.5 KM)				
2	Dighat to Gangwali 2 Pair (5 KM)				
3	Doghat to Sujti 50 Pair (5.5 KM)				
4	Doghat to Pushar Adda 50 Pair (5 KM)				
5	Kishanpur Baral TE to Ramala Thana 200 Pair(1.5 KM)				
6	Kishanpur Baral TE to Soop village 50 Pair(3 KM)				
7	Kishanpur Baral TE to Kasimpura Kheri village 200 Pair(1.5 KM)				
8	Kishanpur Baral TE to Jiwana village 100 Pair(4.5 KM)				
9	Daha TE to Canara Bank daha 200 pair (1 KM)				
10	Daha TE to Daha village 100 pair (1 KM)				
11	Daha TE to Zila sehkari Bank,Daha 200 pair (1.5 KM)				
12	Kishanpur Baral TE to Kishanpur Baral Village 100 Pair(1 KM)				
13	Near Nirpura BTS to canara Bank Nirpura 50 Pair (0.7 KM)				
14	Bamnauli TE to Kansdera Village 100 pair (3.5 KM)				

IV

LESS

THAN

430V

तनुज/TANUJ
सहायक निदेशक-II/Asstt. Dir. II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi-68

ANNEXURE -II

Case No.: UP-538 Name of the Power line: LILO of 220 kV D/C Baraut to Shamli transmission line at 220 kV S/S Nirpura.	Map Scale : 1 cm=500 m Total Length : 13.054 km Soil Resistivity : 20,000 ohm-cm
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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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Northern Railway Ref. No. 342-SIG/1/PTCC/2020-21/01/01 dated 11.01.2021					
<u>Affected Blocks & Telecom Circuits Details</u>					
<u>Delhi-Shamli-Saharanpur</u>					
	Baraut R/S to Qasimpur Kheri R/S	3.9	0.0017	9237	16
	Qasimpur Kheri R/S to Kandhla R/S	1.4	0.0002	6923	01

Tanuj

तनुज / TANUJ
 सहायक निदेशक-II/Asstt. Dir. for-II
 फोर्टीय विभाग प्राधिकरण/CO E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/GOVT. of India
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