



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-560	47. 22.03.21
PTCC proposal of LILO of 220 kV D/C Shamli to Nanauta transmission line at 400 kV S/S Shamli.	

Reference:		
Sl. No.	Reference No.	Dated
(i)	UPPTCL: 531/ETD/Shamli	17.03.2021
(ii)	BSNL: DET/PTCC/ND/DV-9857/UP-946/2020-21	17.03.2021
(iii)	Northern Railway: 342-SIG/1/PTCC/2020-21/02/10	23.02.2021
(iv)	UPPTCL: 563/ETD/Shamli	22.03.2021

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has conveyed NOC as there are no BSNL lines in the route of the proposed power line. 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. The screening factors, as applicable, have been considered.

Telecommunication details from the Defense Authority are pending. Vide reference (iv) above, the power authority has shown urgency for the charging of the proposed power line. Taking above into consideration, necessary action regarding issuance of **provisional PTCC route approval for LILO of 220 kV D/C Shamli to Nanauta transmission line at 400 kV S/S Shamli** may be taken.

Encl.: As above.

Digitally signed by RAJESH KUMAR PRATAP SINGH
Date: 2021.03.22 15:22:15

M/c

Director

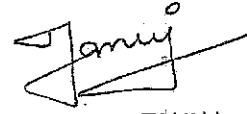
To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001.	w/o Annexure
2.	AESTE/UTS	Northern Railway, Headquarter Office Baroda House, New Delhi-110001.	Annexure only
3.	Executive Engineer	UPPTCL, Office of the Executive Engineer, Electricity Transmission Division, 220 kV Sub-Station, Kairana Road, Industrial Area, Shamli-247776.	Copy for information

ANNEXURE

Case No.: UP-560 Name of the Power Line: LILO of 220 kV D/C Shamli to Nanauta transmission line at 400 kV S/S Shamli.		Map Scale : 1 cm = 500 m. Route Length : 5.863 km Soil Resistivity : 10,000 ohm-cm			
S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)

Northern Railway Ref. No.: 342-SIG/1/PTCC/2020-21/02/10			Dated 23.02.2021		
Affected Blocks & Telecom Circuits Details					
1	Thana Bhawan R/S to Hind R/S	Out of Parallelism			00
2	Hind R/S to Shamli R/S	2.6	0.0003	5463	02
3	Shamli R/S to Kandhla 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-68