

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No.: CEA/PCD/ PTCC/HRA-224/ 35-37

Date: 10.01.2020

The Divisional Engineer (Telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T & D),
CTS Compound, Netaji Nagar,
Africa Avenue, New Delhi - 110023

Subject: PTCC proposal for LILO of 220 kV Shahabad-Tepla D/C line on M/C Towers at 220 kV S/S Rajokheri.

Ref. : (i) HVPNL Ref. No. 82/CW-580
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9577/HR-836/2019-20
(iii) Northern Railway Ref. No. 342-SIG/1/PTCC

Dated: 20.08.2019

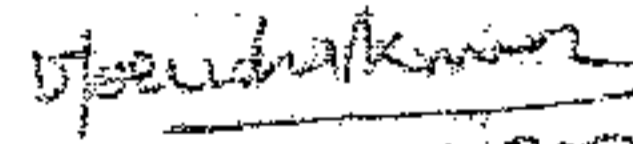
Dated: 04.11.2019

Dated: 23.09.2019

The PTCC proposal submitted vide ref. (i) has been examined. The low frequency induction on BSNL cables and block circuits of Northern Railways as per details furnished vide ref. (ii) and ref. (iii) respectively has been examined. The Soil Resistivity value has been taken as 10,000 Ohms-cm, as per data submitted by Power Authority. Voltages likely to be induced on paralleling BSNL cables and Railway block circuits 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. In view of this, you are requested to issue provisional PTCC route approval.

Encl.: As above.


10.01.2020
(Upendra Kumar)
Chief Engineer

M/C

Copy to :

1. General Manager (S&T), Northern Railway, Office Headquarters, Baroda House, New Delhi-110001. (Annex-II only)
2. Executive Engineer, Transmission System, Haryana Vidyut Prasaran Nigam Ltd., Ambala City (HR)-134003.

Case No. : HRA-224

Name of the Power Line: LILO of 220 KV D/C Shahabad-Tepla line at
220 KV S/Stn Rajokheri (U/C) HVPNL

Annexure I

Toposheet Scale : 1cm=500mts

Total Length : 15.2 Kms

S.R Value : 10,000 Ohm-cm

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

BSNL

Reference No. : DET/PTCC/ND/DV-9577/HR-836/2019-20

Date : 04.11.2019

BSNL Details						
1	Semaiki to Chhorpur (50Pr)	}				
2	Chhorpur to Mohra (20 Pr)					
3	Mohra to Kot Kachhua Khurd (20 Pr)					
4	Mohra to Dhanaura (50 Pr)					
5	Mohra to Dhaukheri (50 Pr)					
6	Kaliana to Jainpur (50 Pr)					} Outside consideration Zone
7	Kaliana to Mohiuddinpur (20 Pr)					
8	Mohiuddinpur to Bhokar Majra (20Pr)					
9	Sulakhani to Nagla(20 Pr)					
10	Nagla to Kalsani (20 Pr)					} IV less than 430V
11	Kalsani to Kalsana (50 Pr)					
12	Dinarpur to Bazidpur (50 Pr)					
13	Bazidpur to Sabka (50 Pr)	}				
14	Kesri to Khanpur (150 Pr)					
15	Kesri to Chadiala (150 Pr)					
16	Chadiala to Chadiali (20Pr)					
17	Chadiali to Dhurala (100 Pr)					
18	Dhurala to Kesri (150 Pr)					
19	Haldri to Nagla (50 Pr)					} Outside Consideration Zone
20	Nagla to harioli (50 Pr)					
21	Chhapra to Dhakola (200 Pr)					
22	Dhakola to saha (200 Pr)					
23	Saha to kalpt (200 Pr)					} IV less than 430V
24	Kalpi to Nihoni (200Pr)					
25	Nihoni to Tamnoli (50 Pr)					
26	Nihoni to Gola (200 Pr)					
27	Memon Majra to Sohana (150 Pr)					
28	Sohana to Mulana (100 Pr)					

Operator/Inspector
10/11/2019

मुख्य अभियंता/Chief Engineer
केन्द्रीय विद्युत प्राधिकरण/C.E.A.
विद्युत मंत्रालय/Ministry of Power
भारत सरकार/Govt. of India
नई दिल्ली/New Delhi

Case No. : HRA-224

Annexure I

Name of the Power Line: LILO of 220 KV D/C Shahabad-Tepla line at
220 KV S/Stn Rajokheri (U/C) HVPNL

Toposheet Scale : 1cm=500mts
Total Length : 15.2 Kms
S.R Value : 10,000 Ohm-cm

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

BSNL

Reference No. DET/PTCC/ND/DV-9577/HR-836/2019-20
Date : 04.11.2019

BSNL Details					
29	Mullana to memnu majra (100 Pr)				IV less than 430V
30	Mullana to Tangail (20 Pr)				} Outside Consideration Zone
31	Mullana to Duliani (200 Pr)				
32	Duliani to Berara (100 Pr)				IV less than 430V
33	Dullana to Jamal majra (50 Pr)				} Outside Consideration Zone
34	Dullana to Dhanauara (100 Pr)				
35	Dhanuara to Dhanauri (50 Pr)				
36	Dhanaura to Zirat (100Pr)				
37	Milak Shekhan to Dera salempur (100Pr)				} IV less than 430V
38	Sion Majra to Barara (150 Pr)				
39	Barara to Adhora Mindioah (400 Pr)				
40	Thamber to Akaigarh (20 Pr)				} Outside Consideration Zone
41	Thamber to Malikpur (150 Pr)				
42	Malikpur to Alwipur (100 Pr)				
43	Subri to Rajokheri (100Pr)				
44	Sohata to Ugala (100 Pr)				IV less than 430V
45	Ugala to Kasera kalan (100 Pr)				
46	Abdullagarh to Jjalubi (100 Pr)				
47	Yara to Yari (100 Pr)				
48	Yari to Kharindwa (100 Pr)				
49	Shahbad to Rattangarh (100 Pr)				} Outside Consideration Zone
50	Shahbad to Sugar Mill (50 Pr)				
51	Shahbad to Kishangarh (50 Pr)				
52	Mohanpur to Madanpur (20Pr)				
53	Dhol Majra to Chironi Jattan (50 Pr)				
54	Chironi Jattan to Bakana (150 pr)				

मुख्य अभियंता / Chief Engineer
केंद्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi

