



सत्यमेव जयते

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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No.: CEA/PCD/ PTCC/UP-516 ) 777-779

Date: 02.12.2020

Subject: PTCC proposal for LILO of 765 kV Mainpuri to Greater Noida S/C line at Jawaharpur TPS ckt. -II -regd.

Ref.: (i) PGFTL Ref. No. NR-3/FZD/LILO 765 KV DC/PTCC Dated: 13.01.2020  
(ii) BSNL Ref. No. DET/PTCC/ND/DV-9805/UP-921/2020-21 Dated: 27.11.2020  
(iii) North Central Railway Ref. No. NCR/S&T/2074/telecom/PTCC (part-I) Dated: 28.05.2020  
(iv) Defense Ref. No. B/46937/Sigs 7(b)/1960 Dated: 01.06.2020

The PTCC proposal submitted vide ref. (i) has been examined. The LF induction on telecom cables of BSNL with respect to details furnished vide above references (ii) has been computed. The Soil Resistivity (SR) value has been taken as 10,000 Ohm-cm. The voltages likely to be induced on paralleling telecom cables of under Single Line to Ground fault condition are enclosed at Annex-I. The screening factors, as applicable, have been considered. North Central Railway vide ref. (iii) has intimated that there are no railway signaling and telecom circuits within the corridor of 8 km of the proposed power line. Hence, IV calculation is not required for railway. Vide ref. (iv) above, Defence Authority have issued No Objection Certificate (NOC). (a copy enclosed as Annex-II).

Taking above into consideration, kindly take necessary action for PTCC route approval.

Encl.: As above.

(Upendra Kumar)  
Chief Engineer

To,  
The DET (PTCC), BSNL, Northern Zone,  
O/o PGM (N), QA & Inspection Circle,  
D-Tax Building, Eastern Court  
Janpath, New Delhi 110001.

Copy to:-

1. Sr. DGM (PJFTL- Firozabad), House No. 91, 1<sup>st</sup> Floor, Sector -2, Vibhav Nagar, Firozabad-283203.

Power Line: B.L.O of 765 KV Manguni-Gt. Noida 3C  
Line at Jawaharpur TPS (Circuit-1)

Toposheet Scale : 1cm=500mts  
Total Length : 4.35 Kms  
S.R. Value : Ohm-cm

Name of Telecom Line	LOP in Km	LOP in Ohm	Factor Current (amps)	Factor Value
L				
Order No. DET/PTCC/ND/DV-9805/UP-921/2020-21 Dated:- 27.11.2020				
BSNL Details				
1	Sabeet Road TE to GT Road Tiraha 100 Pair ( 0.3 KM)			
2	GT Road Tiraha to Near canara bank 50Pair ( 0.4 KM)			
3	GT Road Tiraha to Sabeet Road 50Pair ( 0.3 KM)			
4	Sabeet Road to Malawan Thana 200Pair ( 1.5 KM)			
5	Sabeet Road TE to Main Market 100Pair ( 0.25 KM)			
6	Sabeet Road TE to GSM degree Village 50Pair ( 0.3 KM)			

IV Less than 435/1

Signature  
 नयासक निदेश-11/Asan. D. 9.01.11  
 नयासक निदेश प्रोड्यूसर/नयासक निदेश  
 नयासक निदेश/Ministry of Power  
 नयासक निदेश/Govt. of India  
 नयासक निदेश/New Delhi-66

Tele : 23019746

UP-376

Directorate General of Signals  
Signals 7  
General Staff Branch  
Integrated HQ of MoD, (Army)  
DHQ PO, New Delhi - 110011


B/46937/Sigs 7(b)/1960/

01 Jun 2020

Sr. DGM  
Powergrid Jawaharpur Firozabad Transmission Limited  
House No. 91, 1st Floor, Sector-2,  
Vibhav Nagar, Firozabad-283203(U.P.)

**PTCC CLEARANCE FOR LILO OF 765KV MAINPURI-GR. NOIDA S/C LINE AT JAWAHARPUR  
TPS CKT-II**

1. Ref your letter No NR-3/FZD/LILO 765 kv SC/PTCC/ dt 13 Jan 2020. (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheet received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

  
(A Rawat)  
Maj  
GSO 1 (Comn)  
for SO-in-C

**Enclosures** : As above

**Copy to** :-

✓ The Director (PTCC), CEA  
Power Communication Development Division  
NRPC Complex, 18-A Shaheed Jeet Singh Marg  
Katwaria Sarai, New Delhi - 110016

Divisional Engineer Telegraph (PTCC)  
O/o GM (North); BSNL, QA & Inspection Circle,  
CTS Compound, Africa Avenue Road,  
Netaji Nagar, New Delhi-110023

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for information