



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

No.: CEA/PCD/PTCC/DL-22 / 226-28

Date: 23.03.2020

Subject :- Induced voltage calculation in respect of 220 kV DC Overhead transmission line between 220 kV Shalimar Bagh S/S and proposed 220/66 kV GIS sub-station Sanjay Gandhi Transport Nagar, Delhi- regd.

Reference :-

- (i) DTL Ref. No. F.DTL/210/DGM(P-II)A/18-19/Opr.(Proj)/F-32/41 dated 15.06.2018
- (ii) MTNL Ref. No. SDE(C)/BDL/General/2018-19 dated 06.07.2018
- (iii) Northern Railway Ref. No. 342-SIG/1/PTCC dated 11.06.2018
- (iv) Defense Ref. No. B/46937/Sigs 7(b)/1116 dated 02.08.2018

The PTCC proposal submitted vide ref. (i) has been examined. MTNL vide ref. (ii) intimated that no existing cable (primary) on that route. Hence, it may be treated as NOC by MTNL for this line. The LF induction on the Block and communication circuits of Northern Railway as per details furnished vide ref.(iii) has been examined. The average soil resistivity value has been taken as 7,500 ohms-cm. Voltages likely to be induced on paralleling Block and communication circuits of Northern Railway under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. NOC accorded by the Defense vide ref. (iv) above for this line, is enclosed at Annex-II.

Taking above into consideration, kindly take necessary action regarding issuance of PTCC route approval for this line.

Encl.: As above.

for *Upendra Kumar*

(Upendra Kumar)
Chief Engineer

To,
DET (telecom), BSNL
PTCC O/o GM (North), Inspection Circle (T&D),
CTS Compound, Netaji Nagar,
Africa Avenue, New Delhi-110023

m/c

Copy to:-

1. General Manager/S&T, Northern Railway, Office Headquarters, Baroda House, New Delhi-110001.(only Annex-I)
2. DGM (T) Proj.IIA, DTL, Shakti Sadan, Kotla Road, New Delhi-110002.

Tele : 23019746

Annex-II

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


B/48937/Sigs 7(b)/1116/

02 Aug 2018

DGM (T) Project-IIA
Delhi Transco Limited
Room No. R-12, Shakti Deep Building
Jhandewalan, New Delhi - 110055

**ERECTION, TESTING & COMMISSIONING OF 220KV DOUBLE CIRCUIT, OVER
HEAD TRANSMISSION LINE BETWEEN 220 KV SHALIMAR BAGH SUB-STATION
AND PROPOSED 220/66KV GIS SUB-STATION SANJAY GANDHI TRANSPORT
NAGAR, DELHI**

1. Ref your letter No F.DTL/210/DGM (P-II)/A/18-19/Opr. (Proj)/ F 32/17 dt 07 May 2018 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received under your letter mentioned above.
3. Documents alongwith map sheets (in original) are forwarded herewith for your further action.


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

Enclosures (As above)

Copy to -

Dy. Director (PTCC)
Central Electricity Authority
Power Communication Development Division
NRPC Complex, 18-A, Shaheed Jeeb Singh S Marg
Kirti Sarai, New Delhi - 110016

- For Information.

