



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/TNG-55 /502-03

Date : 16.04.2019

The Divisional Engineer Telecom (PTCC),
QA & Inspection (T&D) circle, BSNL,
1st floor, Raj Bhavan Exchange,
No.26, Sardar Patel Road,
Guindy, Chennai-600032

Subject: Induced Voltage Calculation in respect of PTCC proposal for 220 kV DC line on MC towers from 400/220/132kV Kethireddypally SS to 132/33 kV Kanakamamidi SS

Reference: i) BSNL letter no. SR-PTCC/STS-2098/04 dated 03.07.2018
ii) South Central Railway letter no. SG.85/4/3/PTCC/SCRTS01201819 RC dated 30.04.2018
iii) Defense letter no. B/46937/Sigs 7(b)/1098 dated 26.07.2018

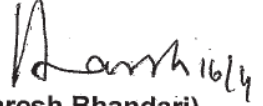
Sir,

The instant PTCC proposal has been examined. The low frequency induction on BSNL Telecom circuits with respect to details furnished vide above reference has been computed. The Soil Resistivity (SR) value has been taken as 30,000 Ohm-cm. The voltages likely to be induced on paralleling telecom circuits of BSNL under Single Line to Ground fault condition are enclosed at Annex-I. The screening factors, as applicable, have been considered. Vide ref.(ii) above, South Central Railway have issued No Objection Certificate (NOC). Vide ref. (iii) above, Defense Authority have issued No Objection Certificate (NOC) (enclosed as Annex – II).

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

Encl.: As above

Yours faithfully,


(Naresh Bhandari)
Chief Engineer

Copy to:

Chief Engineer, Construction, TSTRANSCO, Vidyut Soudha, Hyderabad-500082

M/C

ANNEXURE -II
TNG-55

Tele : 23019746

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

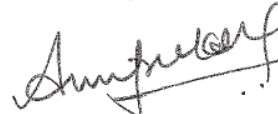
B/46937/Sigs 7(b)/1098 /

26 Jul 2018

Chief Engineer Construction,
Transmission Corporation of Telangana Limited
TSTRANSCO
Vidyuth Soudha
Hyderabad-500 082

**ERECTION OF 220KV DC LINE ON NARROW BASED MC TOWERS FROM
400/220/132KV KETHIREDDYPALLY SS TO 132/33KV KANAKAMAMIDI SS IN
RANGA REDDY DIST.**

1. Reference your letter No. CPT 130/SE-Const/F.Kanakamamidi SS & lines/D.No.239/18 dt 11 Apr 2018 (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

Copy to :-

✓ Central Electricity Authority
Power Communication Development Division
NRPC Complex, 18-A, Shaheed Jeet Singh S Marg
Katwaria Sarai, New Delhi - 110016

- For information.