



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/AND-580/270-72

Date:06/03/2019

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: PTCC Route Approval for 220kV D/C Pulivendula - Muthyalacheruvulu T/L
Reference: i) BSNL letter no. SR-PTCC/AND-883/20 dated 06/10/2017
ii) South Central Railway letter no. SG/85/4/3/PTCC/AP-2015/27 RTD dated 29.01.2016
iii) Defense letter no. B/46937/Signs 7(b)/316/ dated 05.09.2016

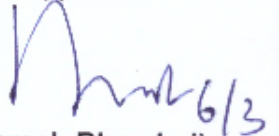
Sir,

The instant PTCC proposal has been examined. The low frequency induction on telecom cables of BSNL and Block & Telecom Circuits of South Central Railway; with respect to details furnished vide above reference has been computed. The average Soil Resistivity (SR) value has been taken as 50,000 Ohm Cm, as intimated by Power Authority (APTRANSCO). The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of South Central Railway circuits under single line to ground fault condition have been computed and are enclosed at Annex-I & II respectively. The screening factors, as applicable, have been considered.

Vide Ref. (iii) above, the Defense authority have issued No Objection Certificate (NOC) (enclosed at Annex-III).

Taking above into consideration, kindly take necessary action regarding issue of PTCC route approval.

Encl.: As above

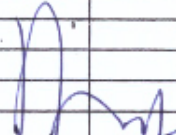

(Naresh Bhandari)
Chief Engineer

Copy to:

(i)SSTE, South Central Railway, Headquarters Office, S&T Branch, Rail Nilayam,Secunderabad- 580061 (with Annexure II only).

(ii) Chief Engineer, Lift Irrigation,EA & Opn.,APTRANSCO, Vidyut Soudha, Hyderabad-500 082

CEA. Case No. AND-580

| Case No. SRPTCC/AND-883 | | SSA : Ananthapur / KADAPA District | | | | |
|--|--|------------------------------------|------------|------------|---------------------|--------------------------|
| Scale: 1:50000 | | | | | | |
| Name of Power line: :- 220 KV DC Line from 220 KV SS Pulivendula to proposed 220 KV SS Mutyalacheruvu | | | | | | |
| Length: 54.705 KMs | | | | | | |
| Average SR value: 50,000 ohm-cm. | | | | | | |
| No | | LOP in KMs | MC in Ohms | FC in Amps | IV in Volts | Safe Separation Distance |
| Kadapa SSA | | | | | | |
| PULIVENDULA EXCHANGE | | | | | | |
| 1 | Exchange to P45-DP4501 | } | | | IV less than 430V. | |
| 2 | Exchange to P41-DP4101 | | | | | |
| 3 | Exchange to P51-DP5101 | | | | | |
| 4 | Exchange to P61-DP6101 | | | | | |
| NALLAPUREDDY PALLI EXCHANGE | | | | | | |
| 1 | Exchange to DP 9901 | } | | | IV less than 430V | |
| 2 | Exchange to DP 9902 | | | | | |
| 3 | Exchange to DP 9903 | | | | | |
| 4 | Exchange to DP 9904 | | | | | |
| Ananthapur SSA | | | | | | |
| Kadiri Exchange (Main) | | | | | | |
| 1 | Exchange to Temple Pillar 64 (K1) | } | | | Out of Parallelism. | |
| 2 | Exchange to Nana durga Pillar 64 (K2) | | | | | |
| RSU EXCHANGE | | | | | | |
| 1 | Exchange to Kuttigula Pillar 42 (K3) | } | | | IV less than 430V | |
| 2 | Exchange to Andhra Bank Pillar 32 (K4) | | | | | |
| Pulagam palli Exchange | | | | | | |
| P1 | Exchange to Donnikota Cross | } | | | IV less than 430V | |
| P2 | Exchange to Mittapilli Vill | | | | | |
|  | | | | | | |
| नरेश भंडारी / NARESH BHANDARI मुख्य अभियंता / Chief Engineer केन्द्रीय विद्युत प्राधिकरण / C.E.A. विद्युत मंत्रालय / Ministry of Power भारत सरकार / Govt. of India नई दिल्ली / New Delhi-66 | | | | | | |

ANNEX-III

Tele : 23019746

AND-580

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


B/46937/Sigs 7(b)/316/

05 Sep 2016

Chief Engineer,
Transmission Corporation of Andhra Pradesh Ltd
Lift Irrigation, EA & OPN,
APTRANSCO, Vidyut Soudha,
Hyderabad - 500082

**ERECTION OF 220KV LINE FROM PULIVENDULA 220KV SS TO THE
PROPOSED MUTHYALACDHERUVU 220/132KV SUB STATION -
PTCC PROPOSALSS**

1. Ref your letter No CE(LI).SE(LIS)/DE-1/ADE-2/PTCC/Muthyalacheruvu/D No.332/16 dt 20 Jul 2016..
2. NOC (No Objection Certificate) is accorded based on inputs provided vide Map sheets received under your above mentioned letter.
3. Documents alongwith Map Sheets in original are returned herewith.


(BS Kunwar)
Lt Col
GSO 1 (Comn)
for SO-in-C

Enclosures : (As above)

Copy to :-

✓ The Director (PCD), PTCC,
Central Electricity Authority,
LD & T Division, NREB Building,
18A - Saheed Jeet Singh Marg,
New Delhi - 110016

