

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

No.: CEA/PCD/ PTCC/TNG-82/ 77-778

Date: 27.01.2020

The Divisional Engineer (PTCC), Southern Zone, Bharat Sanchar Nigam Limited (BSNL), O/o DET (PTCC), Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032

Subject: Induced voltage calculation in respect of 220 kV TMDC line from 400/220 kV Gajwel SS to 220/11 kV Akkaram SS in Siddipet District.

**Ref.:** (i) TSTRANSCO Lr.No.CE(LIS)/SE(LIS)/DE3/AE/e-TSTLI-03/2017-18/PTCC/D.No.196/2019

Dated: 30.04.2019

(ii) BSNL Ref. No. SR-PTCC/STS/2459/06
 (iii) South Central Railway Ref. No. SG./85/4/3/PTCC/SCRTS201928 RC
 (iii) Defence Ref. No. B/46027/37

Dated: 18.10.2019 Dated: 27.05.2019

(iv) Defense Ref. No. B/46937/Sigs 7(b)/1600

Dated: 24.06.2019

The PTCC proposal submitted vide ref. (i) has been examined. The low frequency induction on BSNL cables as per details furnished vide ref. (ii) 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 under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered. South Central Railway has issued No objection vide above ref. (iii). In addition, Defense has accorded NOC vide above ref. (iv) for this line (a copy enclosed at Annex-II).

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

Encl.: As above.

Uprida/amm 29.01.2020

(Upendra Kumar) Chief Engineer, PCD

M/c

## Copy to:

1. Chief Engineer, Lift Irrigation Schemes, TSTRANSCO, Vidyut Soudha, Hyderabad-500082.

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TNG-82

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)/1600

24 Jun 2019

Chief Engineer,
Lift Irrigation Schemes,
Transmission Corporation of Telangana Limited
TSTRANSCO
Vidyut Soudha,
Hyderabad – 500 082

SUPPLY OF MATERIAL/EQUIPMENT, ERECTION, TESTING & COMMISSIONING, CONSTRUCTION & CIVIL WORKS OF (I) 2NO. 220KV BAYS AT EXISTING 400/220KV SS GAJWEL FOR ERECTION OF 220KV TMDC LINE TO PROPOSED 220/11KV AKKARAM SS (III) 220KV TMDC LINE FROM 400/220KV GAJWEL SS TO 220/11KV AKKARAM SS (III) 220/11KV SUB-STATION AT AKKARAM IN SIDDIPET DISTRICT UNDER PACKAGE-14 OF KALESHWARAM LIFT IRRIGATION SCHEME ON TURNKEY BASIS-PTCC PROPOSALS-APPROVAL-REQUESTED-REG.

- 1. Ref your letter No Lr. No. CE(LIS)/SE(LIS)/DE3/AE/e-TSTLI-03/2017-18/PTCC/D.No. 196/2019 dt 30 Apr 2019 (copy att).
- 2. No Objection Certificate (NOC) 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 for your further necessary action.

(A Rawat) Maj GSO 1 (Com

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

for information.

A Ala, ATT