

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-86/94-95

Date: 04.02.2020

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 LILO line from 220 kV Nirmal-Renjal line to the proposed 220/11 kV Sub-station at Mukpal in Nizamabad District.

Ref.:	(i)	TSTRANSCO Lr. No. ED(LIS)/SE(LI)/DE(LIS)- 2/ADE2/Mukpal/D.No.446/19	Dated:	10.05.2019
-	(iii)	BSNL Ref. No. SR-PTCC/STS/2444/03 South Central Railway Ref. No. SG.85/4/3/PTCC/SCRTS201938 RC Defense Ref. No. B/46937/Sigs 7(b)/1655	Dated:	16.08.2019 30.05.2019 22.07.2019

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 50,000 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.

04.02.2020

(Upendra Kumar) Chief Engineer, PCD

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Copy to:



CEA Case No: TNG-86

Scale: 1:50000 Name of Power line: 220 KV-BC Line from the proposed 220 KV SS Nirmal – Renjat Line to proposed 220/11 KV Mukpal SS in Nizamabad Dist - LF comments . Length: 0.338 KMs Average SR value: No Name of telecom line LOP in KMs MC in Ohms FC in Amps IV in Volts Safe Separation Distance Kissannagar Exchange 1 Exchange to Mukpal IV LESS thom 430 V Ray Area of State of Power Ray Area of State of State of State of Power Ray Area of State	Cas	se No.SRPTCC/STS/2444	SSA : Nizan	SSA : Nizamabad			S. R. + 50,000 ac	
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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)/1655

22 Jul 2019

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

ERECTION OF 220KV LILO LINE (0.338KM) FROM 220KV NIRMAL-RENJAL LINE TO PROPOSED 220/11KV MUKPAL SUBSTATION IN NIZAMABAD DISTRICT-PTCC PROPOSALS-FORWARDED-REGARDING

- 1. Ref your letter No Lr. No. ED(LIS)/SE(LI)/DE(LIS)-2/ADE2/Mukpal/D.No. 446/19 dt 10 May 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)

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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.

Gr. Jan