



75
जाजादी का
अमृत महोत्सव

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

CEA Case No. : TNG-111/36-37

PTCC proposal of LILO of existing 220 kV Salivagu – Bheemghanpur line at Ramappa point (Loc.No. 66-67) to proposed 400/220/132 kV KTPP SS in Jayashankar Bhupalpallay Dist.: 22 km

Reference:		
S. No.	Reference No.	Dated
(i)	TSTRANSCO: CPT-360/SE-Const/F.220KV SALIVAGU-Bheemghanpur to KTPP/PTCC/D.no. 470/2021	30.04.2021
(ii)	BSNL: SR-PTCC/STS 3265/03	19.08.2021
(iii)	South Central Railway: SG.85/4/3/PTCC/SCRSTS202131 RC	12.08.2021
(iv)	Defense: B/46937/ Sigs 7(b)/2421	30.06.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom cables of BSNL with respect to details furnished vide above reference (ii) has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL under Single Line to Ground fault condition are enclosed at Annexure-I. The screening factors, as applicable, have been considered. Vide reference (iii) above, South Central Railway have issued No Objection Certificate (NOC). Vide reference (iv) above, The Defence Authority have issued No Objection Certificate (NOC). (a copy enclosed as Annex-II).

Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

श्रीधर सिंह
19.1.22
Director

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032	
2.	Chief Engineer (Construction)	TSTRANSCO, Vidyut Soudha, Hyderabad – 500082	Copy for information

19/1

CEA case No. : TNA-111

Annex I

Case No. STS 3265		SSA: WARANGAL			
Name of the power line: Erection of 220 KV Twin Moose DC Line (22KM) for making LILO of existing 220KV Salivagu-Bheemghanpur Twin Moose line at Ramappa point (Loc No.66-67) to proposed 400/220/132KV KTPP SS in Jayashankar Bhupalpallay District.					
Length:	22 Kms				
SR value: 25000-0-0m		Type of BSNL cable: PIIF			
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
I (A)	Chelpur Exchange	}	IV less than	430V	
1	Chelpur Exchange to P1(A-A1)				
2	Chelpur Exchange to P2(A-A2)				
II(B)	Manzoornagar Exchange	}			
1	Manzoornagar Exchange to P1(B-B1)				
2	Manzoornagar Exchange to P2(B-B2)				

Prateek

प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA
 सहायक निदेशक-II / Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 विद्युत मंत्रालय / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi

Note: From the references submitted by TSTRANSCO and BSNL, it has been observed that Chelpur Exchange of BSNL is falling within the EPR zone (430 V) of proposed 400/220/132 kV KTPP Substation. Necessary action in this regard may be taken.

Annex - II

Tele : 23019746

TNG-112
Directorate General of Signals
Signals - 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/2421

20 Jun 2021

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

**ERECTION OF 220KV TWIN MOOSE DC LINE (22 KM) FOR MAKING LILO OF
EXISTING 220KV SALIVAGU-BHEEMGHANPUR TWIN MOOSE LINE AT
RAMAPPA POINT (LOC.NO. 66) TO PROPOSED 400/220/132KV KTPP SS IN
JAYASHANKAR BHUPALAPALLY DISTRICT- PTCC PROPOSALS-
FORWARDED-REG.**

1. Refer your letter No Lr. No. CPT-360/SE-Const/F.220KV Salivagu-Bheemghanpur to KTPP/PTCC/D.No. 470/2021 dt 30 Apr 2021 (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 returned herewith for your further necessary action.

(A Rawat)
Lt Col
GSO 1 (Comm)
for SO-in-C

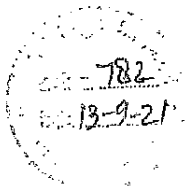
Enclosures : (As above)

Copy to :-

The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeet Singh Marg
Katwaria Sarai, New Delhi - 110016

The DET(PTCC), Northern Zone
O/d PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001

for information



Req. No. 106631, Dt- 3/5/2021

TRANSMISSION CORPORATION OF TELANGANA LIMITED

TNG-111 (new)

From
The Chief Engineer,
Construction,
Vidyut Soudha,
Hyderabad - 500 082.

The Divisional Engineer (Telecom),
Telecom (T&D Circle)
Bharat Sanchar Nigam Ltd.,
1st Floor, Rajbhavan Exchange,
26, Sardarpatel Road, Guindy,
Chennai - 600 032.

Lr.No. CPT - 360/SE- Const / F. 220KV Salivagu-Bheemghanpur to KTPP /PTCC/

D.No. 470 /2021, Dt: 30.04.2021.

Sir,

Sub:- Erection of 220KV Twin Moose DC Line (22 KM) for making LILO of existing 220KV Salivagu -Bheemghanpur Twin Moose line at Ramappa point (Loc. No. 66) to proposed 400/220/132kV KTPP SS in Jayashankar Bhupalapally District - PTCC proposals - Forwarded - Regarding.

The work is in progress for erection of proposed 220KV Twin Moose DC Line (22 KM) for making LILO of existing 220KV Salivagu -Bheemghanpur Twin Moose line at Ramappa point (Loc. No. 66) to proposed 400/220/132kV KTPP SS in Jayashankar Bhupalapally District on Turnkey basis. The PTCC proposals in the prescribed proforma are enclosed herewith the following details:

- Two sets of questionnaire duly filled in.
- Two copies of the statement showing soil resistivity values along with the proposed route.
- Tower configuration (2 copies)
- Single line diagram of the terminal substation (2 Nos.)
- Route map drawn to a scale of 1:50000 (2 Nos.)

EPR values

Name of the Substation	½ Diagonal Distance Xd (m)	Fault Current I (Amp)	d 430V (m)	d 650V (m)	d 7kV (m)	d 10kV (m)	Combined Earth mat resistance (Ω)
220kV SS Salivagu	95.50	9212.71	825.24	513.60	Negative	Negative	0.45
220kV SS Bheemghanpur	49.50	6504.93	324.91	198.19	Negative	Negative	0.5
400/220/132kV SS KTPP	195.50	20621.88	3554.80	2285.47	34.88	Negative	0.4

The proposed lines is programmed to be commissioned by Sep-2021. It is requested to arrange for furnishing of the Telecom details at the earliest to CEA, New Delhi.

There are no Railway Lines exists within 8 KM vicinity of the proposed line.

The main line i.e., 220kV Salivagu - Bheemghanpur Twin Moose line was charged in the year 2008 and PTCC route approval particulars are not traceable.

Faithfully,

TNG. - III

BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
QA & INSPECTION (T & D) CIRCLE
Office of the Divisional Engineer Telecom (PTCC)
I Floor, Raj Bhavan Telephone Exchange
No.26, Sardar Patel Road, Guindy, Chennai-32.
Tele : 044-2235 4514, E-mail deptocchi@gmail.com

To
The Director, PTCC,
CEA, New Delhi.

SR-PTCC/STS 3265/03 dtd@Chennai-32 the 19.08.2021

Sub:- PTCC Clearance for Erection of 220 KV Twin Moose DC Line (22KM) for making LILO of existing 220KV Salivagu-Bheemghanpur Twin Moose line at Ramappa point (Loc No.66-67) to proposed 400/220/132KV KTPP SS in Jayashankar Bhupalpallay District.-Reg.

Ref :-CPT-360/SE-Const/F.220KV Salivagu-Bheemghanpur to KTPP/PTCC/D.No .470/2021 Dt 30.04.2021.

The route map for the above mentioned EHT line with telecom details duly marked on them by the following Territorial officers concerned and the consolidated list of the telecom details are enclosed.

GM (T) BSNL, WARANGAL TELECOM DISTRICT

You are requested to convey your comments regarding LF induction on the paralleling Telecom Lines under worst fault conditions due to the proposed power line, within 6 weeks from the date of receipt of this letter.

The Master copy of the topo map may be returned to this office along with IV comments.

Note : It is requested that the safe separation distance with and without GD tube protection may also be intimated in all cases in which the IV exceeds 2000V.

Encl: Marked Topo Map.

DIVISIONAL ENGINEER
PTCC, Southern Region
Inspection Circle, BSNL
Raj Bhavan Telephone Exchange
I Floor, 26, Sardar Patel Road,
Guindy, Chennai-600 032.

N. Senthil
Divisional Engineer Telecom
PTCC, Southern Region,
QA & Inspection Circle,
Chennai- 600 032

731
07/09/21

19/8

MTC-AT/DC
17/9.

At 2305



TNG- 111

दक्षिण मध्य रेलवे

South Central Railway

मुख्यालय कार्यालय, सिग्नल एवं दूरसंचार शाखा, रेल निलयम, सिकंदराबाद - 500025

Head Quarters Office, Signal & Telecomm Branch, Rail Nilayam, Secunderabad -500025

No. SG.85/4/3/PTCC/SCRTS202131 RC

Date: 30-7-2021

12.08.2021

Divisional Engineer Telecom,
PTCC, Southern Region, T&D Circle,
Rajbhavan Exchange, 1st Floor, No.26,
Sardar Patel Road, Guindy,
Chennai- 600 032.

Sub: Erection of proposed 220KV Twin Moose DC line (22 KM) for making LILO of existing 220KV Salivagu - Bheemghanpur Twin Moose line at Ramappa point (Loc No. 66) to proposed 400/220/132kV KTPP SS in Jayashankar Bhupallapally District on Turnkey basis - PTCC proposals- Railway Telecom Clearance- Reg.

Ref: CE/Con/TSTRANSCO's letter. No. CPT-360/SE-Const/F.220KV Salivagu-Bheemghanpur to KTPP/PTCC/D.No. 470/2021, dtd: 30-4-2021. (Request No. 106631, dtd: 3-5-2021)

उक्त संदर्भाधीन पत्र के अनुसार चूंकि, अधीक्षक इंजीनियर, ओ एम सी सर्कल, टीएस ट्रांस्को वरंगल, ने यह प्रमाणित किया है कि प्रस्तावित लाइन के 8 किमी के आसपास के क्षेत्र में रेल की पट्टी नहीं है अतः उक्त पीटीसीसी प्रस्ताव को निपटाने में इस रेलवे को कोई आपत्ति नहीं है।

With reference to the above cited letter, since it is certified by Superintending Engineer, OMC Circle, TSTRANSCO, Warangal that the Railway line does not exists within 8 Kms vicinity of the proposed power line, this Railway has **NO OBJECTION** in clearing the above said PTCC proposal.

(जी.वी.मंजूनाथ) G.V.Manjunatha
सिस्टीम/टेली/प्रका SSTE/TELE/HQ

कृते महाप्रबंधक/दूरसंचार, for General Manager/Tele

C/-

1. The Director (PTCC), Central Electricity Authority, Load Despatch & Telecom Division, NREB Complex, 18-A, Shaheed jeetsingh Marg, Katwaria Sarai, New Delhi- 110016.
2. The Chief Engineer, Construction, TSTRANSCO, Vidyut Soudha, Hyderabad - 500 082.

029
29.9.21

Sh. Prakash
RPS