



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-110
PTCC proposal of 220 kV DC line for making LILO of one circuit of 220 kV Mahabubabad - Warangal DC line to proposed 220/132 kV SS Ammavaripet in Warangal Urban Dist. (32 km) dt. 11-01-2021

Reference:		
S. No.	Reference No.	Dated
(i)	TSTRANSCO: CPT-320/SE-Const/F.220 kV SS Ammavaripet/PTCC/D.No:564/2021	27.05.2021
(ii)	BSNL: SR-PTCC/STS 3306/03	10.08.2021
(iii)	South Central Railway: SG.85/4/3/PTCC/SCRTS202119 RTD	30.06.2021
(iv)	Defense: B/46937/Sigs 7(b)/2446	09.07.2021

The PTCC proposal submitted vide reference (i) has been examined. The LF induction on telecom lines of BSNL and block & telecom circuits of South Central Railway with respect to details furnished vide above reference (ii) and (iii) respectively, has been computed. The voltages likely to be induced on paralleling telecom lines of BSNL and block & telecom circuits of South Central Railway under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. The Defense Authority have accorded NOC vide above reference (iv) for the proposed power line (a copy enclosed as Annexure-III). Taking above into consideration, necessary action regarding issuance of PTCC route approval may be taken.

Encl.: As above.

Rajivendra Prasad Singh
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.	GM(S&T)	South Central Railway, Head Quarters Office, Signal & Telecom Branch, Rail Nilayam, Secunderabad - 500025
3.	Chief Engineer (Construction)	TSTRANSCO, Vidyut Soudha, Hyderabad - 500082

CEA case No: TNA-110

Annex-I

Case No. STS 3306		SSA: WARANGAL			
Name of the power line: Erection of 220 KV DC Line (32KMI) for making LILO of one circuit of 220KV Mahabubabad - Warangal DC line to proposed 220/132 KVSS Ammavaripet in Warangal Urban Dist					
Length:		32	Kms		
SR value:	30000 ohm-ms				
Type of BSNL cable: PIJF					
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
1	Thimmapur Exchange				
	Thimmapur xchange to Navodaya DP (A-A1)		EV	Less than	480 V

Prateek

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

CEA Case No.: TNG-110

ANNEXURE - II

Name of the Power Line: 220 kV DC line for making LILo of one circuit of 220 kV Mahabubabad - Warangal DC line to proposed 220/132 kV SS Ammavaripet in Warangal Urban Dist.

Map Scale : 1 cm = 500 m.
Route Length : 32 km
Soil Resistivity : 30,000 Ohm-cm

S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)
SOUTH CENTRAL RAILWAY					
SG.85/4/3/PTCC/SCRSTS202119 RTD dated 30.06.2021					
Affected Blocks & Telecom Circuits Details					
1	Pindial (PQL) - Kazipet Jn (KZJ)	1.1	0.0002	10000	2
2	Komatipalli (KMTP) - Kazipet Jn (KZJ)				0
3	Kazipet Jn (KZJ) - Warangal (WL)				0
4	Warangal (WL) - Chintalpalli (CLE)	Out of Parallelism			0
5	Chintalpalli (CLE) - Yelgur (YGL)				0
6	Yelgur (YGL) - Nelkonda (NKD)	5.2	0.0022	8750	20
7	Nelkonda (NKD) - Intekanne (INK)	3.4	0.0062	10000	62
Out of Parallelism					0

Prateek
प्रतीक श्रीवास्तव / PRATEEK SRIVASTAVA
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केन्द्रीय विद्युत प्राधिकरण / C.E.A.
विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
नई दिल्ली / New Delhi

Tele : 23019746

TNG-110

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


B/46937/Sigs 7(b)/2446

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

09 Jul 2021

**ERECTION OF 220KV DC LINE (32KM) FOR MAKING LILO OF ONE CIRCUIT
OF 220KV MAHABUBABAD-WARANGAL DC LINE TO PROPOSED 220KV SS
AMMAVARIPET IN WARANGAL URBAN DISTRICT-PTCC PROPOSALS-
FORWARDED-REG.**

1. Refer your letter No Lr. No. CPT-320/SE-Const/F.220KV SS Ammavaripet/PTCC/D.No.564/2021 dt 27 May 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 (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

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

for information



AT 234
MTC: ut
218

VS
391

