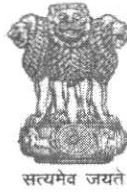


I/28711/2023



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

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CEA Case No. : TNG-138		
Induced Voltage calculation for PTCC proposal of 400 kV QMDC Line from existing 400/11 kV Tippapur S/S to proposed 400/11 kV Veljipur S/S Length- 5.025 km]-Regd.		
S. No.	Reference No.	Dated
(i)	TSTRANSCO: CE(LIS)/SE(LI)/DE-2/ADE7/F.PTCC Veljipurline/D.No.909/22	29.07.2022
(ii)	BSNL: SR-PTCC/STS 4250/05	13.06.2023
(iii)	South Central Railway: SG.85/4/3/PTCC/SCR/2022-23/TS-24RC	05.09.2022
(iv)	Defense: B/46937/Sigs 7(b)/2981	10.10.2022

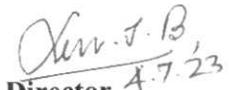
The PTCC proposal submitted vide reference (i) has been examined. DET (SZ), BSNL vide reference (ii), South Central Railway vide reference (iii) and DG Signals, MoD vide reference (iv) have issued No Objection Certificate (NOC) (Annexure-I) for charging of the line.

EPR Zones for proposed substation is mentioned below:

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
400/11 kV Veljipur S/S	142	41.8	0.38	5111	3333	181	84

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line might be taken under intimation to this office.

**Encl.:** As above.

  
 Director 4.7.23

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai	
2.	Chief Engineer Lift Irrigation Scheme TSTRANSCO	O/o Chief Engineer TSTRANSCO Vidyut Soudha, Hyderabad	For kind info

एनआरपीसी परिसर, कटवारिया सराय, नई दिल्ली-110016 टेलीफोन: 011-26565214 ईमेल: [cepcd.cea@gov.in](mailto:cepcd.cea@gov.in) वेबसाइट: [www.cea.nic.in](http://www.cea.nic.in)

NRPC Complex, Katwaria Sarai, New Delhi-110016 Telephone: 011-26565214 Email: [cepcd.cea@gov.in](mailto:cepcd.cea@gov.in) Website: [www.cea.nic.in](http://www.cea.nic.in)

File No. 23019746

File No. CEA-PS-17-11(14)/62/2023-PCD Division

2023/2023/PCD

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

TNG-138

B/46937/Sigs 7(b)/2981/

10 Oct 2022

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

**PTCC PROPOSAL FOR 400KV QMDC LINE FROM EXISTING 400/11KV TIPPAPUR  
SS TO PROPOSED 400/11KV VELJIPUR SS**

1. Refer your letter No Lr. No. CE(LIS)/SE(LI)/DE-2/ADE7/F.PTCC Veljipur line/D.No. 909/22 dt 29 Jul 2022 (copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided as per Map sheets received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.

*Samyal*

(PS Samyal)

Col

GSO 1 (Comn)  
for ADG T

**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

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



*5/13*

*5/25/10*

Signed by Len.j.b  
Date: 04-07-2023 15:49:2  
Reason: Approved