

I/34750/2024



सत्यमेव जयते

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-148		
Induced Voltage (IV) calculation in respect of PTCC proposal for 220KV DC UG cable from existing 220/132/33KV Chandanvally SS to proposed 220/33 kV SS Microsoft Corporation (India) Pvt Ltd., in Ranga Reddy District(1.8 km) - regd.		
S. No	Reference No.	Dated
(i)	TCTL: CPT170/SE-(Const-I)/220kV Microsoft SS/PTCC/D.No.303/23-24	10.02.2024
(ii)	BSNL: SR-PTCC/STS 5644/5	21.03.2024
(iii)	South Central Railway : SG.85/4/3/PTCC/SCR/2023-24/TS 26 RC	29.02.2024
(iv)	Defense: B/46937/Sigs 7(b)/3548	22.12.2023

The PTCC proposal submitted vide reference (i) has been examined. DET, PTCC, BSNL (Bangalore) and South Central Railways vide above reference (ii) and (iii) respectively have given their NOC. DG Signals, MoD have issued No Objection Certificate (NOC) vide reference (iv) (enclosed as Annexure I)

EPR details for the proposed substation is given below.

Name of the 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
220/33KV SS Microsoft Corporation(India) Pvt Ltd.	76.255	28	0.5	2406	1566	76	30

As per the details submitted by BSNL, no telephone exchange is lying in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

Chief Engineer

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To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 2nd Floor, Sanchar Complex, WMS Compound, Jayanagar 5th Block, 9th Main, 47th Cross ,Bangalore- 560041
2.	Chief Engineer Construction	TSTRANSCO,Vidyut Soudha, Hyderabad-500082

B/46937/Sigs 7(b)/3548/

92 Dec 2023

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

**ERECTION OF 220KV SINGLE MOOSE DC LINE FROM 220/132/33KV
CHANDANVALLY (TSIC) SS TO PROPOSED 220KV M/S AMAZON
(CHANDANVALLY) SS ON 220KV NARROW BASED TOWERS (1.373KM)-
PTCC PROPOSAL**

1. Refer your letter No CPT140/SE-1(Const)/PTCC/F.Dundigal/D.No. 681/2023 dt 08 Sep 2023 (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.

(SP Choyal)
Lieutenant Colonel
General Staff Officer Grade 1 (Communication)
for Additional Director General (Telecommunication)

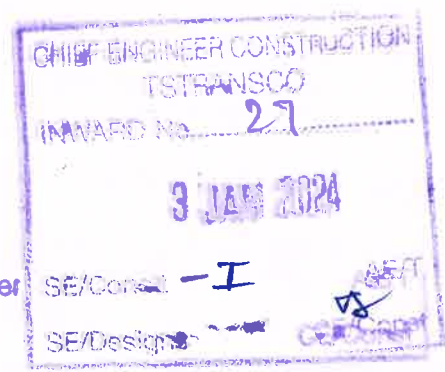
Enclosures : As above

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

- for information



Superintending Engineer
Construction-I
TSTRANSCO.

DE-1 ✓
DE-2
DE-3
Tahsildar

Au/3105
24/01/2024