



सत्यमेव जयते

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

CEA Case No. : TN-768		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV D/C line (Feeder No. 1 & 2) on RSJ Pole Structure from 230/33 kV Mulanur Pooling Station to 33/0.95 kV Sprng Wind farm Unit Substations tapping point ME 04 (Length: 25 km)		
S. No	Reference No.	Dated
(i)	Sprng/60MW/33KV-DC-01	16.08.2024
(ii)	BSNL: SR-PTCC/STN 6190/05	05.10.2024
(iii)	Southern Railway: W.384/3/6/53(TN)	18.09.2024
(iv)	Defense: B/46937/Sigs 7(b)/4133	15.10.2024

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has stated that “ No telecom lines/ cables or assets are existing or proposed within 6 months in paralleling distance of 5 km on either side of power line”. GM (S&T), Southern Railway vide reference (iii) and DG Signals, MoD vide reference (iv) have issued their No Objection certificate (NOC) for charging of the line.

EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
230/33 kV Mulanur Pooling Station	104.96	24	0.625	3556	2317	120	52
33/0.95 kV Wind Farm unit substation	6.3	10.11	0.55	75	48	NA	NA

As per the details submitted by BSNL vide reference (ii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Southern Zone	O/o Chief General Manager, Core Network Transmission- South, No.11, Link Road, Ganapathy Colony, Guindy Industrial Estate, Guindy, Chennai.600 032.	
2.	M/s Sprng Akshaya Urja Private Limited	Unit No. FF-48 A, First Floor, Omaxe Square, Plot No. 14, Jasola District Centre, New Delhi – 110 025	For information

Directorate General of Signals
Signals 7
General Staff Branch **TN-768**
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

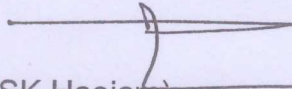
B/46937/Sigs 7(b)/4133/

15 Oct 2024

Sprng Akshaya Urja Pvt Ltd
Regd Off: Unit No- FF-48A, 1st Floor Omaxe Square, Plot No. 14
Jasola District Centre, New Delhi-110025

**PTCC PROPOSAL FOR 33KV SC OH LINE ON RSJ POLE BY USING
AL 59 TW (ECO) PANTHER CONDUCTOR, AL 59 DOG FROM THE
230/33KV MULANUR POOLING SUBSTATIONS TO SPRNG WIND FARM
UNIT SUBSTATIONS 33/0.950KV TAPPING POINT ME 04, FEEDER NO
DOUBLE CIRCUIT: ME-DC/TOTAL KM - 25**

1. Refer your letter No Sprng/60MW/33KV-DCrd dt 16 Aug 2024 (copy att).
2. **No Objection Certificate (NOC) is accorded** based on inputs provided as per Map sheet received vide your letter mentioned above.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


 (SK Haojam)
 Lieutenant Colonel
 General Staff Officer Grade 1 (Communication)
 for Additional Director General (Telecommunication)

Enclosures : As above

Copy to :-

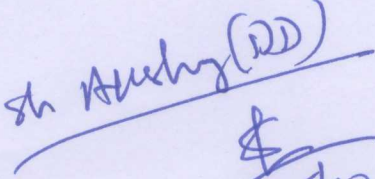
The Divisional Engineer (PTCC)
 'D' Wing, 3rd Floor, Admn Bdg
 Telecom Complex,
 Juhu Tara Road,
 Santracruz West, Mumbai - 400054

- for information

Chief Engineer, PSCD Division
 Central Electricity Authority
 Room No 702 (North Wing)
 Sewa Bhawan, R.K. Puram, Sector-1
 New Delhi-110066

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

Central Electricity Authority
 PSCD Division
 Diary No.1340
 Date25.10.24


 28/10

Annexure

Time line for various steps involved in PTCC clearance are specified in Appendix X to Chapter- I of PTCC Manual 2010 and further decision in CLPTCC meetings are given below. The relevant part is reproduced below:

For approval of power lines 33 kV and above up to 132 kV:

- | | | |
|-----|--|---------|
| (a) | For furnishing telecom details by P&T/Railways/Army. | 3 weeks |
| (b) | Scrutinizing the details, preparing additional copies and forwarding to Joint Secretary Power <i>by DET BSNL</i> | 1 weeks |
| (c) | Furnishing Induced Voltage (IV) calculation by Joint Secretary Power & endorsing copies to all concerned <i>by CEA</i> | 3 weeks |
| (d) | Furnishing recommendations by Railways/ Army | 2 weeks |
| (e) | Final examination and issue of certificate <i>by DET BSNL</i> | 1 weeks |

* Revised time line for power lines related to RE generation and traction circuits and for all power lines having length less than 5 km as per the decision taken in 107th CLPTCC meeting.