

I/31918/2023



सत्यमेव जयते

वैश्वेय कुटुम्बकम्  
ONE EARTH - ONE FAMILY - ONE FUTURE

**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. : TN-726  |                                    |            |
|--|------------------------------------|------------|
| <b>Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C OH line for Feeder No. 2 on RSJ Pole with AL59 Panther conductor and AAAC Dog conductor from 220/33 kV JSW Tuticorin – B S/s at Savlaperi village to proposed 33 kV JSW Wind Power unit substation tapping point TUT-237 (Length: 28.22 km)</b> |                                    |            |
| S. No  | Reference No.                      | Dated      |
| (i)  | JSWREL/33kV-PTCC/330 MW/SC02       | 15.04.2023 |
| (ii)   | BSNL: SR-PTCC/STN 5061/05          | 28.08.2023 |
| (iii)  | Southern Railway: W.384/3/6/17(TN) | 12.07.2023 |
| (iv)   | Defense: B/46937/Sigs 7(b)/3317    | 04.07.2023 |

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide above reference (ii) has stated that “No Telecom assets” of BSNL are located within a distance of 8 km of transmission line. Southern Railway vide reference (iii) and DG Signals, MoD, vide reference (iv) (Annexure-II) 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 JSW Tuticorin B Wind Power PSS-B of M/s JSW Renew Energy Ltd at Savlaperi village | 82.54                              | 35                   | 0.0344                            | 149              | 70               | NA             | NA              |
| 33 kV Wind Power unit substation  | 14                                 | 13.374               | 0.511                             | 209              | 133              | 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 regarding issuance of PTCC approval for the subject cited transmission line may be taken under intimation to this office.

Encl.: As above

**Director**

I/31918/2023

To,

|    |   |  |                 |
|----|---|--|-----------------|
| 1. | Divisional Engineer (PTCC), Southern Zone | BSNL, Inspection Circle,1st Floor, Raj Bhavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032 |                 |
| 2. | M/s JSW Renew Energy Limited              | JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai – 400 051  | For information |

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

TN-726

B/46937/Sigs 7(b)/3317

04 Jul 2023

JSW Renew Energy Limited  
Regd. Office: JSW Centre, Bandra Kurla Complex  
Bandra (East), Mumbai-400051

**PTCC PROPOSAL FOR CONSTRUCTION OF PROPOSED 33KV DOUBLE  
CIRCUIT LINE FOR FEEDER NO-SC-02 FROM PROPOSED M/S JSW RENEW  
ENERGY LTD FOR TOTAL CONNECTIVITY 540MW AT PART OF PROJECT  
330MW TUTICORIN-I 230/33KV POOLING SUBSTATIONS WIND POWER  
PROJECT AT THOOTHUKUDI DISTRICT**

1. Refer your letter No JSWREL/33kV-PTCC/330MW/SC-02 dt 15 Apr 2023.
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)  
Lt Col  
GSO 1 (Coord)  
for ADG T

**Enclosures** : As above

**Copy to :-**

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

- for information

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

Central Electricity Authority  
PCD Division

Diary No. 31918/2023  
Date 27/7/23

Sh. Arishay, DD  
27/7

PPU. 31614  
31107  
Sh. Prateek