

I/32124/2023



सत्यमेव जयते



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-729		
<b>Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C OH line for Feeder No. 5 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-038 (Length: 7.0 km)</b>		
S. No	Reference No.	Dated
(i)	JSWREL/33kV-PTCC/330 MW/SC05	15.04.2023
(ii)	BSNL: SR-PTCC/STN 5064/05	28.08.2023
(iii)	Southern Railway: W.384/3/6/20(TN)	12.07.2023
(iv)	Defense: B/46937/Sigs 7(b)/3320	04.07.2023

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 near 8 km boundary of proposed transmission line”. Southern Railway vide reference (iii) and DG Signals, MoD, vide reference (iv) (Annexure-I) 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	0.474	192	123	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

**For Director**

I/32124/2023

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


B/46937/Sigs 7(b)/3320/

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-05 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-05 dt 15 Apr 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)  
 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. 36

Date 27/7

Sh. Arshay, DD

27/7

PPU. 31814  
 31107

Sh. Prateek