

I/31882/2023



सत्यमेव जयते

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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. : TN-725		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C OH line for Feeder No. 1 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-1082 (Length: 40.46 km)		
S. No	Reference No.	Dated
(i)	JSWREL/33kV-PTCC/330 MW/SC01	15.04.2023
(ii)	BSNL: SR-PTCC/STN 5060/05	16.09.2023
(iii)	Southern Railway: W.384/3/6/16(TN)	12.07.2023
(iv)	Defense: B/46937/Sigs 7(b)/3315	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 near the path of above 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	0.522	213	136	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

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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