



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**

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CEA Case No. : TN-759		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV D/C Feeder-1 and 2 on RSJ Pole from 230/33 kV Dharapuram-A PSS, Peramiyam village to JSW Wind Turbine Tapping USS Point DHP-019 (Length: 23.4 kms)		
S. No	Reference No.	Dated
(i)	JSWREL/33kV PTCC-270MW /DPM/DC-01&2	29.06.2024
(ii)	BSNL: SR-PTCC/STN 6049/05	15.10.2024
(iii)	Southern Railway: W.384/3/6/46(TN)	27.08.2024
(iv)	Defense: B/46937/Sigs 7(b)/4041	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”. 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 Dharapuram-A PSS, Peramiyam village	83.41	24	0.72	3269	2134	122	61
33/0.69 kV Wind Power unit substation	12.14	10.1	0.65	165	105	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 shall be taken in a time bound manner under intimation to this office.

As per the decision taken in 111<sup>th</sup> and 112<sup>th</sup> 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.	
3.	M/s JSW Renew Energy Limited	JSW Centre, Bandra Kurla Complex, bandra (East), Mumbai – 400 051	For information

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

TN-759

B/46937/Sigs 7(b)/4041/

15 Oct 2024

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

**33KV FEEDER NO-1&2 PTCC PROPOSAL FOR 33KV DC OH LINE ON RSJ POLE ACSS/TW- HTLS PANTHER CONDUCTOR, AL 59 PANTHER, ACSS DOG FROM THE 220/33 KV JSW DHARAPURAM A SUBSTATIONS AT PERAMIYAM VILLAGE, DHARAPURAM TK, TIRUPPUR DIST TO JSW WIND 33KV WIND POWER UNIT SUB-STATION-DHP 712**

1. Refer your letter No JSWREL / 33KV PTCC-270MW/ DPM/DC-01&2 dt 29 Jun 24 (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.

(Karan Dhawan)  
Colonel  
Colonel Signals-7  
for Additional Director General (Telecommunication)

**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

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

- for information

Central Electricity Authority  
PSCD Division  
Diary No. 1350  
Date 25-10-24

*Sh. Anshu (DD)*  
*25/10*