



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-757		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C Feeder-5 on RSJ Pole from 230/33 kV Dharapuram-A PSS, Peramiyam village to JSW Wind Turbine Tapping USS Point DHP-705 (Length: 47.9 kms)		
S. No	Reference No.	Dated
(i)	JSWREL/33kV PTCC-270MW /DPM/SC-5	29.06.2024
(ii)	BSNL: SR-PTCC/STN 6061/05	15.10.2024
(iii)	Southern Railway: W.384/3/6/48(TN)	27.08.2024
(iv)	Defense: B/46937/Sigs 7(b)/4039	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 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.	
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-757

B/46937/Sigs 7(b)/4039/

15 Oct 2024

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

**33 KV FEEDER NO-5 PTCC PROPOSAL FOR 33 KV SC 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 705**

1. Refer your letter No JSWREL / 33KV PTCC-270MW/ DPM/SC-5 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, 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. 1348
Date 25-10-24

Anshu (DD)
28/10