



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. : KNK-1070 | | |
| Induced Voltage (IV) Calculation for PTCC proposal of 33 kV S/C Feeder-10 from 220/33 kV Pooling Substation, Thondihala Koppal to Double Pole yard Tapping Point L2-56 of RSOPL Peak Power Wind farm. (Length: 8.13 kms). | | |
| S. No | Reference No. | Dated |
| (i) | RSOPL/Peak power/33kV/PTCC/24-25/016 | 18.01.2024 |
| (ii) | RSOPL E-mail: | 10.07.2024 |
| (iii) | BSNL: SR-PTCC/SKT5821/2 | 10.05.2024 |
| (iv) | South Western Railway: SG/SWR/PTCC/KNK1070/2725 | 02.07.2024 |
| (v) | Defense: B/46937/Sigs 7(b)/3771 | 04.06.2024 |

The PTCC proposal submitted vide reference (i) and (ii) has been examined.

DET (PTCC), SZ, BSNL vide reference (iii), PCSTE, SWR vide reference (iv) and DG Signals, MoD vide reference (v) has given their NOC for charging the line.

EPR Zones for proposed substations are mentioned below.

| Name of the proposed SS | Half Diagonal Distance, D/2 (mts) | Fault Current, I (kA) | Resistance of earthmat, R (Ohms) | d (mts) at 430 V | d (mts) at 650 V | d (mts) at 7 kV | d (mts) at 10 kV |
|--|-----------------------------------|-----------------------|----------------------------------|------------------|------------------|-----------------|------------------|
| 220/33 kV Pooling Substation, Thondihala Koppal | 88.46 | 24 | 0.1201 | 505 | 304 | NA | NA |
| 33 kV Feeder-10 Double Pole yard Tapping Point L2-56 | 6.01 | 6.2 | 0.329 | 22 | 13 | NA | NA |

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

Chief Engineer

To,

| | | | |
|----|--|---|----------------------|
| 1. | Divisional Engineer (PTCC), Southern Zone | O/o CGM, QA&I circle, 2 nd floor, Sanchar Complex, WMS Compound, Jayanagar, 5 th block, 9 th main, 47 th cross, Bengaluru- 560 041 | |
| 2. | M/s ReNew Surya Ojas Private Limited | ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram – 122 009 | Copy for information |

Signals - 7

General Staff Branch

KNK-1070

Integrated HQ of MoD, (Army)

DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/3771

04 Jun 2024

Senior Manager, Projects
 ReNew Surya Ojas Private Limited
 Corporate Off: ReNew Hub, Commercial Block-1
 Zone-6, Golf Course Road, DLF City Phase-V
 Gurugram-122009

**PTCC PROPOSAL FOR 33KV SCOH LINE (33KV FEEDER NO 10) FROM THE
 220/33 KV POOLING S/S AT THONDIHALA VILLAGE, YELBURGA TALUK,
 KOPPAL DISTRICT TO PROPOSED RENEW (RSOPL) WIND 33KV WIND
 POWER DOUBLE POLE YARD TAPPING POINT L2-56**

1. Refer your letter No RSOPL/Peak Power/33kv/PTCC/MoD/24-25/E/040 dt 03 Feb 2024 (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.

(Puneet Lakhanpal)
 Lieutenant Colonel
 General Staff Officer Grade 1 (Communication)
 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

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
 PCD Division

Diary No.....674

Date.....20/6/24