



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-1082 | | |
| Induced Voltage (IV) Calculation for PTCC proposal of 33 kV (partially S/C and partially D/C) Feeder-03 on RSJ Pole with AL-59 Dog, Panther & ECO Panther conductor from 220/33 kV Wind Power Substation of M/s Serentica Renewables India 3 Private Limited, Jakkali Village to 33 kV Wind Power Unit Substation Location NGL-26. (Length: 11.979 km). | | |
| S. No | Reference No. | Dated |
| (i) | SRIPL-3/33kV/PTCC/F3 | 19.02.2024 |
| (ii) | BSNL: SR-PTCC/SKT5768/2 | 25.04.2024 |
| (iii) | South Western Railway: SG/SWR/PTCC/KNK1082/2694 | 28.06.2024 |
| (iv) | Defense: B/46937/Sigs 7(b)/3809 | 04.06.2024 |

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), SZ, BSNL vide reference (ii), PCSTE, South Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) 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 270 MW, PSS of M/s SRI3PL at Jakkali Village | 97.51 | 45.5 | 0.036 | 274 | 148 | NA | NA |
| 33 kV Wind Power Unit Substation Location NGL-26 | 4.05 | 19.1 | 0.34 | 57 | 36 | 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) | O/o CGM, QA & Inspection circle, 2 nd Floor, Sanchar complex, WMS compound, Jayanagar, 5 th block, 9 th main, 47 th cross, Bengaluru- 560 041 | |
| 2. | M/s Serentica Renewables India 3 Private Limited | DLF Cyber Park, Block B, 9 th Floor, Udyog Vihar, Phase III, Sector 20, Gurugram | Copy for information |

E-mail: webstar@nic.in

Directorate General of Signals

Signals 7

General Staff Branch

Integrated HQ of MoD, (Army)

DHQ PO, New Delhi – 110011

KNK-1082


B/46937/Sigs 7(b)/3809

04 Jun 2024

Serentica Renewables India 3 Pvt Ltd.
 Regd Off: DLF Cyber Park, Block B, 9th Floor,
 Udyog Vihar, Ph-III, Sector-20 Gurugram (Haryana)-122008

**PTCC PROPOSAL FOR CONSTRUCTION OF PROPOSED 33KV OVER
 HEADLINE FOR FEEDER NO. 3 FROM PROPOSED of M/S SERENTICA
 RENEWABLES INDIA 3 PVT LTD 270 MW, NGL-26 TO M/S SERENTICA
 RENEWABLES INDIA 3 PVT LTD WIND POWER POOLING SUBSTATION AT
 JAKKALI VILLAGE, GADAG DISTRICT, KARNATAKA**

1. Refer your letter No SRIPL-3/33KV/PTCC/F3 dt 06 Mar 2024 (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.


 (Puneet Lakhnopal)
 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,
 Santacruz 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. 666

Date: 04/06/2024