



सत्यमेव जयते

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. : KNK-1144		
Induced Voltage (IV) calculation for PTCC proposal of 33 kV D/C Feeder-01 on RSJ Pole from 220/33 kV 200 MW Solar Power Pooling S/s of M/s Serentica Renewables India 3 Private Limited to proposed 33/0.6 kV Solar Power IDT S/s in Balagod village, Gadag. (Length: 3.405 kms)		
S. No	Reference No.	Dated
(i)	SRIPL/TD/PTCC/33kV/01	24.06.2024
(ii)	SRI3PL/PTCC/Gadag/33kV/24-25/01	12.12.2024
(iii)	BSNL: SR-PTCC/SKT6375/6	09.12.2024
(iv)	South Western Railway: SG/SWR/PTCC/KNK1144/2818	07.10.2024

The PTCC proposal submitted vide reference (i) has been examined. DGM (PTCC), SZ, BSNL vide above reference (iii) and PCSTE, South Western Railway vide reference (iv) have issued their No Objection Certificate (NOC).

EPR Zones for proposed substation are mentioned below.

Name of the proposed SS	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 7 kV	d (mts) at 10 kV
220/33 kV 200 MW Solar PSS of M/s SRI3PL	104.12	30	0.018	27	NA	NA	NA
33/0.6 kV Solar Power IDT S/s in Balagod village, Gadag	13	15	0.2	78	47	NA	NA

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, M/s SRI3PL have informed that the line is awaiting charging due to want of PTCC approval. So as to charge the subject cited transmission line as per schedule, M/s SRI3PL has requested for issuance of provisional PTCC clearance and has stated that *"In case of any impact on the Telecom assets/ personnel of Defense due to charging of the 33 kV feeders of SRI3PL 200 MW power plant, SRI3PL will take care all necessary actions for its remediation and no other utility/ organization shall be held liable for this."*

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

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.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for IV calculation and issuance of final RAC.
3.	M/s Serentica Renewables India 3 Private Limited	DLF Cyber Park, Block B, 9 th Floor, Udyog Vihar, Phase III, Sector 20, Gurugram	

serentica**Ref No:- SRI3PL/PTCC/Gadag/33kV/24-25/01****Date:-12.12.2024**

To,
The Deputy Director (PTCC)
Central Electricity Authority
Sewa Bhawan, R.k puram
Sector-1, New Delhi-110066

Subject: Request for Provisional PTCC Approval for Charging 33kV Feeder 1 & Feeder 2 of D/c Line of Serentica Renewables India 3 Private Limited 200MW Solar plant Switchyard to proposed 33kv Solar power IDT S/s in Balagoda Village.

Ref:- Your letter with Ref. CEA-PS-17-11(14)/105/2024- PCD Division dated 22.07.2024,

Dear Sir,

This is to bring to your attention that we have applied for PTCC approval on dt.07.09.2024, for our 33kV Feeder 1 & Feeder 2 of D/c Line of Serentica Renewables India 3 Private Limited 200MW Solar plant Switchyard to proposed 33kv Solar power IDT S/s in Balagoda Village. **Line length is 3.405 Kms.**

Consents from BSNL and the Railways are already shared to CEA, but approval from the Defense department is still pending. As we all understand, obtaining the Defense consent takes some time, but our project is now at a critical stage where the line is ready to be charged.

For which we are undertaking ourselves that in case of any impact on the Telecom assets/personnel of Défense due to charging of the 33kV Feeders of SRI3PL 200MW solar power plant. Also, we assure you that SRI3PL will take care all necessary actions for it's remediation and no other utility/organization shall be held liable for this.

Therefore, we kindly request you to provide us provisional PTCC approval so that we can proceed with charging of line.

Thanks & Regards,

For Serentica Renewables India 3 Private Limited


(Authorized Representative)

Serentica Renewables India 3 Private Limited

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