



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-1122		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV Feeder-11 (partially S/C and partially D/C) from the 220/33 kV Pooling Substation of M/s RSRPL at Huyilagola village, Gadag to 33 kV wind power Double pole yard tapping point RKUR-166 N1 of RSRPL (Length: 7.3 kms D/C + 13.6 kms S/C : Total = 20.9 kms).		
S. No	Reference No.	Dated
(i)	RSRPL/RTC1-W2/33 kV/PTCC/CEA/24-25/E/082	22.04.2024
(ii)	BSNL: SR-PTCC/SKT6134/7	19.08.2024
(iii)	South Western Railway: SG/SWR/PTCC/KNK1122/2755	09.07.2024
(iv)	Defense: B/46937/Sigs 7(b)/3943	22.07.2024

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

DET, PTCC (SZ), BSNL vide reference (ii), PCSTE, SWR 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
220/33kV Pooling Substation of M/s RSRPL at Huyilagola village, Gadag	97.5	24	0.2005	994	624	NA	NA
33 kV wind power Double pole yard tapping point RKUR-166 N1	14.5	25	0.1143	82	49	NA	NA

As per the details submitted by BSNL, No Telephone exchange is falling within the EPR zone of proposed substation

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) may be taken 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 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 Roshni Private Limited	ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, Gurugram – 122 009	Copy for information

