

# 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	Half	Fault	Resistance	d (mts)	d (mts)	d (mts)	d (mts) at
proposed SS	Diagonal	Current,	of earthmat,	at 430	at 650	at 7 kV	10 kV
	Distance,	I (kA)	R (Ohms)	V	V		
	D/2 (mts)						
220/33kV Pooling	97.5	24	0.2005	994	624	NA	NA
Substation of M/s							
RSRPL at							
Huyilagola							
village, Gadag							
33 kV wind power	14.5	25	0.1143	82	49	NA	NA
Double pole yard							
tapping point							
RKUR-166 N1							

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 111<sup>th</sup> and 112<sup>th</sup> CLPTCC meeting, necessary instructions for "Deemed Energization approval" shall be specified while issuing RAC.

Encl.: As above

#### **Chief Engineer**

#### To,

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

Directorate General of Signals
Signals 7
General Staff Branch KNK-1122
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi – 110011

B/46937/Sigs 7(b)/3943/

Jul 2024

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

## 33KV FEEDER NO-11 PTCC PROPOSAL (PARTIALLY SC AND PARTIALLY DC LINE) FROM THE 220/33KV POOLING S/S AT HUYILAGOLA VILLAGE TO PROPOSED RENEW (RSRPL) WIND 33KV WIND POWER DOUBLE POLE YARD TAPPING POINT RKUR-166 N1

- 1. Refer your letter No. RSRPL/RTC1-W2/33 KV/PTCC/BSNLMoD/24-25/E/102 dt 06 May 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. Documen's 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, 3<sup>rd</sup> 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

केन्द्रीय विद्युत प्राधिकरण पी.सी.डी प्रमाग 1यरी लंख्या नांक. 🗘 ८६.२.५