

GULBARGA ELECTRICITY SUPPLY COMPANY LIMITED

(A Government of Karnataka Enterprise)

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Pin Code.585 102.

No.GESCOM/CEE(O)/EEE(DSM)/AEE(DSM)/AE(DSM)/2023-24/ 17558

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Guidelines for Grid connectivity of Solar Rooftop Photo Voltaic (SRTPV) systems installed as per the KERC(Implementation of Solar Rooftop Photovoltaic Power plants) Regulations, 2023:

1. The SRTPV Application is invited from all the consumers of GESCOM through **On-line mode only and no off-line Applications are allowed.**
2. Applications can be submitted from 1kWp to upto 2000kWp. At GESCOM Website:- <http://gescomsrtpv.in/>
3. Document Required for application.
 - a. Recent electricity bill.
 - b. Aadhar card.
 - c. Pan card.
 - d. Photo of the applicant.
4. The fee details:

Sl. No	Capacity of the proposed SRTPV system	Registration Fee	Facilitation Fee	Remarks
1	From 1kWp Upto and inclusive of 5kWp	500/- + Applicable GST	1000/- + Applicable GST	Application fee and Facilitation fee are non-refundable.
2	Above 5kWp Upto and inclusive of 50Kwp	1000/- + Applicable GST	2000/- + Applicable GST	
3	Above 50kWp and Upto 2000Kwp	2000/- + Applicable GST	5000/- + Applicable GST	

5. The Sub-divisional officer (SDO) shall be Nodal point of contact for Solar RTPV program.
6. Type of Metering:

Sl. No	Type of Metering	Eligible Consumers
1	Gross metering & Net Metering	Applicable for Domestic consumers, Hospital and Educational institutions Consumers. (HT-4,HT-2(C), LT(a) & LT2(b))

		Note: Commission vide order dated 01.06.2023 has allowed one time irrevocable option of either gross to net metering for consumer at the time of signing of PPA
2	Net Metering	Applicable to Industrial, Commercial and all categories of consumers other than Domestic Consumers.

7. The Power Purchase Agreement (PPA) Execution and Approval letter issuing Authority for SRTPV installations:

Sl. No	Capacity wise SRTPV PPA Executive & Approval letter issuing Authority	GESCOM Officer's
1	Upto 50Kwp	Assistant Executive Engineer (Ele) O&M Sub-division
2	Above 50kWp upto 1000kWp	Executive Engineer (Ele) O&M Sub-division
3	Above 1000kWp upto 2000kWp	Draft PPAs are to be approved, by KERC through Corporate Office.

8. The SRTPV plant Commissioning & Synchronizing Authority:

Sl. No	Capacities	GESCOM Officer's
1	Upto 50Kwp	Assistant Executive Engineer (Ele) O&M Sub-division in Co-ordination with meter testing (MT) staff
2	Above 50kWp upto 199kWp LT Installations	Executive Engineer (Ele) O&M Sub-division in Co-ordination with meter testing (MT) staff
3	Above 50kWp upto 2000kWp HT Installations	Executive Engineer (Ele) O&M Sub-division in Co-ordination with HT Rating Staff

9. The draft PPA for capacity above 1000kWp shall be submitted to DSM Section, Corporate Office for KERC approval along with following documents:

- Demand Draft of Rs.5000/- in favour of The Secretary, KERC.
- Online Application and Technical Feasibility Report.
- The Detailed Project reports.
- Self-Declaration from the applicant for investment under CAPEX scheme.

- e. Specifications of the roof type along with photographs certified by Concerned EE.
- f. Land ownership or lease agreement documents whichever is applicable.
- g. Latest Electricity bill copy.

Note: In the case of a lease agreement, the PPA shall be executed for the duration of the lease period or maximum for 25 years, whichever is earlier.

10. The Applicant can select any PV modules and system installer to install the SRTPV System.
11. The Applicant shall use only tested Bi-directional Meters from GESCOm empanelled firms available at Vendor outlets.
12. The Applicant shall use Grid tied inverter from GESCOm empanelled firms only.
13. Interconnection voltages as per KERC Regulation-2023, sl. No. 6 (1)(a) shall be as below:

Sl. No	System Capacity	Voltage level
1	From 1kWp upto & inclusive 5kWp	230 V-Single Phase
2	Above 5kWp & Upto 50Kwp	400 V-Three Phase
3	Above 50kWp & above Upto 500Kwp	11kV HT

14. The cost of distribution network upto the interconnection point shall be borne by the applicant as per **KERC Regulation-2016, sl. No. 6 (1)(d)**.
15. The check meter shall be provided for SRTPV systems capacity of more than 17.5 kW.
16. CT's, PT's and Metering Cubicle shall be procured from GESCOm approved Vendors only.
17. For Gross Metering and Net Metering, meters shall be procured from GESCOm approved/ empanelled Vendors only.
18. SRTPV applicant shall be totally responsible for planning, design, construction, reliability, protection and safe operation of all the equipment's subject to the regulations for construction, operation, maintenance, connectivity and other statutory provisions as per KERC Standardized PPA clause 1.6 (a).

19. The Technical, Safety, Grid Connectivity standards are to be followed as per KERC Standardized PPA as below:

- a. **Clause 1(Technical and Interconnection requirement)**
- b. **Clause 2(Safety)&**
- c. **Clause 7(Metering)**

20. GESCO personnel reserve the right to inspect the entire plant routinely at any time as per the Conditions of Supply to the Distribution Licensees clause 18:00, access to Consumer Premises.

21. The domestic and other consumers to install SRTPV units, with their own investment or under subsidy scheme, The proposed SRTPV Load must be equal or less than to the sanctioned load of the respective consumer's installation under net metering or gross metering arrangements.

22. SRTPV plants on the Government buildings by GESCO under funding from the Government. Under this scheme, the Government installations are allowed to utilize the SRTPV generated energy under net metering arrangement and to allow the excess energy to be injected to the GESCO's grid without making any payment by the GESCOs to the Government installations, since the GESCO shall have to maintain the SRTPV units installed on the Government buildings. The cost of maintenance of the SRTPV installations on Government buildings shall be borne by the GESCOs by adjusting amount towards the surplus energy injected to their grid, at the generic tariff rate determined by the Commission from time to time. As per KERC Order dated 11.11.2016. shall be referred.

23. For multiple SRTPV units in respect of multiple/ single registered consumers on a common rooftop in the premises, or single SRTPV unit having multiple installations, under own investment. The installed capacity to be considered for installing the SRTPV was limited to the combined installed capacity not exceeding the total sanctioned load. Tariff of 90% as determined by the Commission. The existing system of charging 90% of tariff as per PPA or the prevailing tariff, whichever is lower, for any change in sanction load/ tariff of the consumer, would continue. As per KERC Order dated 15.09.2017. shall be referred.

