

**No. 77/CSERC/2016.- In exercise of powers vested under section 61, 86 read with Section 181 of the Electricity Act 2003 (36 of 2003) and all other powers enabling it in this behalf, the Chhattisgarh State Electricity Regulatory Commission (the Commission) made Chhattisgarh State Electricity Regulatory Commission (Determination of tariff for procurement of power from Rooftop PV Solar Power Projects by distribution licensees of State) Regulations, 2013 (CSERC Solar Rooftop Regulations 2013 or the Principal Regulations) for specifying the terms and conditions of tariff for procurement of power from rooftop PV solar power projects by distribution licensees of the State.**

Therefore, in pursuance of the Principal Regulations, the Commission hereby makes the following regulations to amend the Principal Regulations.

**1. Short title and commencement**

- 1.1 These Regulations may be called the Chhattisgarh State Electricity Regulatory Commission (Determination of tariff for procurement of power from Rooftop PV Solar Power Projects by distribution licensees of State) (First Amendment) Regulations, 2016.
- 1.2 These Regulations shall come into force from date of publications in the CG Rajpatra.

**2. Substitution of new sub regulation for sub regulation j) of regulation 2.1**

For sub regulation j) of regulation 2.1 of the principal Regulations, the following sub regulation shall be substituted, namely:-

- j) 'Rooftop PV & ground mounted Solar Power Project' or 'Project' means a Rooftop PV and other ground mounted solar power generating station, with a capacity equal to or more than 10 kW and upto 1MW, including the evacuation system up to interconnection point, as the case may be;

**3. Substitution of new sub regulation for sub regulation l) of regulation 2.1**

For sub regulation l) of regulation 2.1 of the principal Regulations, the following sub regulation shall be substituted, namely:-

- l) 'Solar Meter or SM' means a meter for used for accounting of electricity generated by the Rooftop PV and other ground mounted Solar Power Generating Plant;

**4. Substitution of Regulation 4(1)(C) (i)**

For sub regulation i) of regulation 4(1)(C) of the principal Regulations, the following sub regulation shall be substituted, namely:-

**(C) Grid Connectivity**

- (i) Subject to fulfillment of other technical requirements, Rooftop PV and other grounded PV Solar Power Projects connected to the distribution network at voltage levels 33kV and below shall alone be eligible for generic tariff determined for such projects under these Regulations

SPV Capacity	Type	Evacuation level
10 kW – 100 kW	Roof top/ ground mounted	Min 415V, 3 Phase, 50 Hz
101 kW – 1000 kW		Min 11 KV, 3 Phase, 50 Hz

Provided that if the installed capacity of the SPV project is more than the contracted load with licensee than the developer shall bear the applicable infrastructure augmentation/development charges, if any according to the provisions of prevailing Supply Code to facilitate the concern licensee for power evacuation.

**5. Substitution of Regulation 4(1)(E)**

For regulation 4(1)(E) of the principal Regulations, the following regulation shall be substituted, namely:-

**(E) Communication Requirement**

- (i) The communication system must be grid interactive and be able to support real time data logging, Event logging, Supervisory control, Operational modes and Set point editing. The parameters to be measured and displayed continuously include Solar system temperature, Ambient temperature, Solar irradiation/isolation, DC current and Voltages, AC injection into the grid (one time measurement at the time of installation), efficiency of the inverter, Solar system efficiency, Display of I-V curve of the solar system, any other parameter considered necessary by supplier of the solar PV system based on prudent practice. Data logger system must record these parameters for study of effect of various environmental & grid parameters on energy generated by the solar system and various analysis would be required to be provided through bar charts, curves, tables, which shall be finalized during approval of drawings.
- (ii) The communication interface shall be an integral part of inverter and shall be suitable to be connected to local computer and also remotely via the web using either a standard modem or a GSM / WiFi modem.