

KERALA STATE ELECTRICITY REGULATORY COMMISSION

(Grid Interactive Distributed Solar Energy Systems) Regulations 2014

Notification dated 10-06-2014

| Sl. No. | Description | Summary |
|---------|---|--|
| 1. | Short Title, Extent and Commencement | (i) Kerala State Electricity Regulatory Commission (Grid Interactive Distributed Solar Energy Systems) Regulations 2014. (ii) They shall apply to all the distribution licensees in the State of Kerala and to the consumers availing electricity at the voltage level of below 11000 volts. (iii) To come into force from the date of publication in the official gazette. |
| 2. | Definitions | As per Regulations |
| 3. | Interpretations | These regulations shall be interpreted and implemented in accordance with and not in variance from the provisions of the Act and Rules and Regulations of Central Govt., Kerala Govt., CEA, CERC etc. |
| 4. | General Conditions for Installations of Solar Energy | (i) Any consumer in the area of supply of distribution licensee may install in his premises, the solar energy system, either owned by him or by a third party. (ii) The solar energy system installed by the consumer shall be: (a) Within the permissible rated capacity as specified in these Regulations. (b) Located in the premises of the eligible consumer. (c) Connected with inter-locking system and operated safely in parallel with the distribution system of the licensee. (iii) The capacity of the Solar System shall not be less than one killo watt peak (kWp) and shall not exceed one MW peak (MWp). (iv) A consumer having electric connections in different premises owned by him shall be eligible to install solar energy system in each of such premises. |
| 5. | Obligation of the Distribution Licensee to give Connectivity to the Low Tension Feeders | (i) The distribution licensee shall without any discrimination, provide to the eligible LT consumers in the area of supply, the connectivity to LT distribution feeder for installing the solar energy system. (ii) This connectivity shall be provided till the Cumulated Capacity is less than 80% of the average minimum load of all the consumers of the said feeder between 8 A.M. to 4 P.M. during the period of seven days succeeding the date of submission of the application by the consumer. |
| 6. | Obligation of the Distribution Licensee to give Connectivity to the High Tension Feeders | (i) The distribution licensee shall give connectivity to its high tension feeder for installation of solar energy system generating electricity at 11000 volts provided the Cumulative Capacity of the Solar Systems connected to the distribution feeder under a particular transformer in the feeding sub-station is less than 80% of the average minimum load of that feeder during 365 days preceding the submission of application form. |
| 7. | Obligation of the Distribution Licensee to Provide Banking Facility | (i) Banking facility shall be provided which shall be available only in excess over the full consumption during a billing period. (ii) Consumer in the (TOD) billing system shall be entitled to the electricity banked by him in the corresponding normal period and the balance in the peak period and in the off peak period in succession in subsequent billing period. (iii) The non TOD system consumer can use the energy banked during any time during the subsequent billing period. |
| 8. | Specifications, Standards and Safety | The inter connection of the solar system with the distribution system of licensee conforms to the specifications and standards of CEA as applicable. |
| 9. | Metering Arrangement | (i) Net meter shall be installed at the inter-connection point of the eligible consumer with the network of the distribution licensee. Consumer having ABT complaint energy meter need not install net meter. |

| | | |
|-----------|---|---|
| | | <p>(ii) The solar meter shall be installed at the delivery point of the solar energy system to measure the solar electricity generated.</p> <p>(iii) These meters shall be tested, installed and sealed in accordance with CEA Regulations 2006.</p> |
| 10 | Obligation of the Licensee to Provide Net Metering System | <p>(i) The distribution licensee shall make available a correct net meter and solar meter to the eligible consumer who proposes to install a solar energy system in his premises unless he elects to purchase the said meters for which the make and specifications shall be provided by the licensee.</p> |
| 11 | Obligation of the Eligible Consumer to Comply with the Specifications, Standards and Safety | <p>The eligible consumer shall comply with the specifications and standards approved by the licensee and install grid-tied inverter, manually operated isolating switch and associated equipment with sufficient safeguards to prevent injection of electricity from his solar energy system to the distribution system of the licensee when the distribution system is de-energized.</p> |
| 12 | Right of The Consumer to Use the Excess Solar Electricity in other Premises | <p>(i) The eligible consumer shall have the right to avail open access for wheeling the excess electricity generated by the solar energy system installed in one of his premises and to use such excess electricity in other premises owned by him within the area of supply of the licensee. Excess energy after meeting the consumption of the premises where the solar energy system is installed shall not be permitted also if it exceeds 500 kWh in a month.</p> |
| 13 | Procedure for Granting Connection of the Solar Energy System | <p>The eligible consumer who proposes to install a solar energy system in his premises shall apply in the prescribed form along with the fees.</p> |
| 14 | Accounting and Settlement of Electricity Generated Drawn and Injected by Eligible Consumer Not in TOD Billing System | <p>(i) The accounting of electricity generated, consumed and injected by the eligible consumer shall be done on the basis of readings taken for the billing period applicable to him.</p> <p>(ii) The total electricity generated during a billing period shall be assessed using the readings in the solar meter.</p> <p>(iii) Net meter readings shall be used to calculate the energy drawn, energy injected and net energy during the billing period.</p> <p>(iv) If the energy injected exceeds the energy drawn, the net energy shall be banked for settlement during the next billing periods.</p> <p>(v) In case during a billing period he is the net consumer taking all his premises into account to be billed at the tariffs applicable to each of premises after accounting for banked energy.</p> |
| 15 | Accounting And Settlement of Electricity Drawn And Injected By an Eligible Consumer who is in the TOD Billing System | <p>(i) The total electricity generated during a billing period shall be assessed using solar meter reading.</p> <p>(ii) Electricity injected into distribution system, electricity consumed and net energy shall be based on net energy meter readings.</p> <p>(iii) If net energy is injected into the same shall be carried forward for adjustment during next billing cycle.</p> <p>(iv) If consumer has consumed net energy, he shall be billed at the tariff applicable to each of his premises after adjustment of energy banked.</p> |
| 16 | Solar Renewable Purchase Obligation | <p>(i) The quantum of electricity generated from the solar energy system of an eligible consumer shall qualify for accounting towards RPO if he is an obligated entity.</p> <p>(ii) If the consumer is not an obligated entity the electricity generated shall account for RPO.</p> |
| 17 | Exemption From Banking Charge and Cross Subsidy Charge | <p>The electricity generated by an eligible consumer using the solar energy system installed in his premises whether owned by him or by a third party shall be exempted from banking charge and cross subsidy surcharge.</p> |
| 18 | Power of Relaxation and Power to Remove Difficulties | <p>Vested with the Commission</p> |
| 19 | Power to Amend | <p>Vested with the Commission</p> |