

## MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION

### Rooftop Solar Grid Interactive systems based on Net metering - Regulations, 2015; Notification Dated : 25<sup>th</sup> February 2015

Sl. No	Description	Summary
1.	<b>Short Title</b>	MSERC (Rooftop Solar Grid Interactive systems based on Net metering) Regulations, 2015 Dated 25.02.2015
2.	<b>Scope and Application</b>	<ul style="list-style-type: none"> <li>• Regulations shall apply to the Distribution Licensee and consumers of electricity of Distribution Licensee of the State of Meghalaya</li> <li>• Eligible consumer may install the Rooftop Solar System under net metering arrangement which:               <ul style="list-style-type: none"> <li>– Shall be within the permissible rated capacity as per these Regulations and/or as may be determined by the Commission.</li> <li>– Shall be located in the consumer premises.</li> <li>– Shall interconnect and operate safely in parallel with the Distribution Licensee network.</li> </ul> </li> </ul> <p>Note: Regulations do not preclude the right of relevant state authorities /Government to undertake Rooftop Solar Projects above 1 MWp capacity through alternative mechanisms</p>
3.	<b>Definitions and Interpretation</b>	As per Regulations
4.	<b>General Principles</b>	<p>Distribution licensee to offer net metering arrangement to the consumer, who installs grid connected Rooftop Solar system, in its area of supply on non-discriminatory and first come first serve basis on the charges as may be allowed by the Commission:</p> <ul style="list-style-type: none"> <li>• For the target capacity as specified under these Regulations</li> <li>• Consumer is eligible</li> <li>• Interconnection of system with the grid is undertaken as per these Regulations till such time the competent authority notifies the technical standards for connectivity with the grid</li> </ul>
5.	<b>Capacity Targets for Distribution Licensee</b>	<p>Total capacity (MW) not to exceed the target capacity as determined by the Commission:</p> <ul style="list-style-type: none"> <li>• Capacity of RE system at the consumer premises shall not be less than 1 kW peak.</li> <li>• Maximum cumulative capacity of 1 MW allowed to eligible consumers under net metering, on yearly basis, in the area of supply of the licensee</li> <li>• Cumulative capacity at a particular distribution transformer shall not exceed 15% of the peak capacity of the distribution transformer</li> <li>• Licensee to update distribution transformer capacity available for connecting Rooftop Solar systems under net metering on yearly basis and provide the information on its website as well as to the Commission.</li> <li>• Licensee may propose the rise in allowable cumulative maximum capacity for a year under net metering for commission's approval</li> </ul>
6.	<b>Eligible Consumer and Individual Project Capacity</b>	<ul style="list-style-type: none"> <li>• Maximum Rooftop Solar system capacity at consumer premises to be governed by the eligibility of interconnection with the grid subject to;               <ol style="list-style-type: none"> <li>(i) Feasibility of interconnection with the grid</li> <li>(ii) Available capacity of the service line connection of the Consumer</li> <li>(iii) Sanctioned load of the Consumer</li> <li>(iv) Installed capacity is aligned with the provisions of Meghalaya State Electricity Supply Code</li> </ol> </li> <li>• Procedure for application/registration to be prepared by the licensee along with applicable fee for connectivity of RE system with the distribution system.</li> <li>• Licensee to submit the above to the Commission for approval within three months of the notification of these regulations.</li> <li>• Commission may also issue guidelines and directions from time to time in this regard if required which will be binding on the licensee and consumers.</li> </ul>

7.	<b>Interconnection with the Grid</b>	<ul style="list-style-type: none"> <li>• To be as per the technical standards for connectivity laid down by CEA/ Competent authority (to be notified), in this regard.</li> <li>• Until then interconnection shall be as per the contracted load and/or voltage level applicable to the consumer as per the provisions of Electricity Supply Code.</li> <li>• If eligible consumer has connectivity with battery backup, the backup shall have separate wiring to prevent power flow into the grid in the absence of grid supply and Protection for such to be provided by the consumer.</li> <li>• Eligible consumer shall be responsible for safe operation, maintenance and correction of any defect in their system up to the point of net meter. Beyond meter the responsibility shall rest with the Distribution Licensee.</li> <li>• Licensee shall have the right to disconnect the Renewable system at any time in the event of possible threat/ damage from the system to its distribution system to prevent an accident/damage.</li> <li>• Eligible consumer shall be abided by the instructions issued by the distribution licensee in order to maintain the health of their distribution system in good shape</li> </ul>
8.	<b>Energy Accounting and Settlement</b>	Detailed in the Regulations Order
9.	<b>Solar Renewable Purchase Obligation (RPO)</b>	<ul style="list-style-type: none"> <li>• Quantum of Solar power of consumer shall qualify for accounting towards RPO of the licensee if the eligible consumer is not an obligated entity.</li> <li>• Beyond the RPO limits specified it shall be at the discretion of the licensee whether to adjust such quantum of electricity or not in the billing.</li> </ul>
10.	<b>Eligibility to Participate under REC</b>	As per Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 and subsequent amendments thereof
11.	<b>Metering Arrangement</b>	<ul style="list-style-type: none"> <li>• Metering arrangement to be as per the installation &amp; operation of meters for Rooftop Solar systems under net-metering arrangement to be notified by the competent authority.</li> <li>• Until such time bi-direction meters (net meters) of accuracy class 1.0 or better shall be installed as per the specifications notified by the competent authority.</li> <li>• Main Solar Meters shall be of 0.2s class accuracy with facility for recording meter readings using Meter Reading Instrument (MRI). Check meters shall be mandatory for Rooftop Solar systems having capacity more than 20 kW. For installations size of less than and equal to 20 kW, the Solar Check meters would be optional.</li> <li>• Cost of meter(s) to be borne by the eligible consumer and installed &amp; owned by the Distribution Licensee.</li> <li>• Meters to be jointly inspected and sealed on behalf of both the parties and shall be interfered/tested or checked only in the presence of the representatives of the consumer and licensee or as per the Supply Code.</li> <li>• Consumer to follow the metering specifications, provisions for placement of meter as developed by the Distribution Licensee</li> <li>• In case the consumer is under the ambit of time of day tariff, meters compliant of recording time of day consumption/generation to be employed.</li> <li>• Meter reading taken by the licensee to form the basis of commercial settlement.</li> </ul>
12.	<b>Penalty or Compensation</b>	In case of failure of net metering system, penalty or compensation shall be as per the provisions of the standard of performance regulations for Distribution Licensee
13.	<b>Power to Give Directions</b>	Vested with the Commission
14.	<b>Power to Relax</b>	Vested with the Commission
15.	<b>Power to Amend</b>	Vested with the Commission
16.	<b>Power to Remove Difficulties</b>	Vested with the Commission