

# ASSAM ELECTRICITY REGULATORY COMMISSION

## (Grid Interactive Solar PV Systems) Regulations- 2015

Notification: Dated 2<sup>nd</sup> May, 2015

Sl. No	Description	Summary
1	<b>Title</b>	Assam Electricity Regulatory Commission (Grid Interactive Solar PV Systems) Regulations, 2015, Dated 2 <sup>nd</sup> May, 2015
2	<b>Date of Enforcement</b>	Regulations to come into force from the date of their publication in the Assam Gazette.
3.	<b>Applicability</b>	<ul style="list-style-type: none"> <li>• Regulations shall extend to the whole of the State of Assam.</li> <li>• Applicable to: <ul style="list-style-type: none"> <li>➢ Distribution licensee and consumers of electricity of distribution licensee of the State of Assam.</li> <li>➢ Solar Grid Interactive system installed in the premises owned by consumer or a 3<sup>rd</sup> party.</li> <li>➢ Eligible consumer to install the Solar system under net metering arrangement located in the consumer premises, interconnect and operate safely in parallel with the Distribution Licensee network and shall be within the permissible rated capacity as defined under these Regulations.</li> </ul> </li> </ul>
4	<b>General Principles</b>	Distribution Licensee to offer net metering arrangement to the consumer, who intends to install grid connected Solar system, in its area of supply on non-discriminatory and first come first serve basis.
5	<b>Capacity Targets For Distribution Licensee</b>	<ul style="list-style-type: none"> <li>• Capacity of distribution transformer for connectivity to be not less than the limits as specified by the Commission..</li> <li>• Distribution licensee to update distribution transformer capacity available for connecting Rooftop Solar systems under net metering arrangement on yearly basis and provide the information on its website as well as to the Commission.</li> </ul>
6.	<b>Eligible Consumer and Individual Project Capacity</b>	<ul style="list-style-type: none"> <li>• All eligible consumers in the area of supply of the Distribution Licensee can participate in the grid interactive net metering arrangement</li> <li>• Inter-connecting voltage level of the GIS to be as per AERC (Supply Code and related matters Regulations) -2004.</li> <li>• Aggregate Solar panel capacity of Grid interactive system to be installed at any eligible consumer premises to be between of 1 kWp to 1000 kWp, restricted to 40 % of contract demand of the consumer with the licensee, subject to feasibility of inter-connection of the Solar system to the grid.</li> <li>• There shall be no restriction on state power utilities to install bigger plants, subject to their compatibility with the system and necessary safety measures taken.</li> </ul>
7.	<b>Interconnection with the Grid:</b>	<ul style="list-style-type: none"> <li>• As per the provision of CEA 'Technical Standards for Connectivity of Distributed Generated Resources Regulations- 2013'and CEA (Measures relating to Safety and Electric Supply), Regulations- 2010</li> <li>• Net meter and solar meter to conform to the standards, specifications and accuracy class as provided in the CEA (Installation and Operation of Meters) Regulations- 2006, as amended from time to time and are installed in such a way that they are accessible for reading.</li> <li>• Licensee to provide in advance a copy of the 'Net Metering Connecting Agreement' to the consumer, annexed as Annexure III of these Regulations, For more Details refer Regulations</li> </ul>
8.	<b>Energy Accounting and Settlement</b>	As detailed in the Regulations
9.	<b>Solar Renewable Purchase Obligation (RPO)</b>	<ul style="list-style-type: none"> <li>• Electricity generated by an eligible consumer and consumed by him, shall qualify for accounting towards RPO if he is an obligated entity under AERC (Renewable Purchase Obligation and its Compliance) Regulation-2010.</li> <li>• Electricity generated from the Solar energy system of an eligible consumer, shall qualify for accounting towards RPO of the Distribution Licensee, if the eligible consumer is not an obligated entity under ASERC (Renewable Purchase Obligation and its Compliance) Regulation- 2010.</li> </ul>

10.	<b>Participate under Renewable Energy Certificate (REC) Mechanism</b>	Eligible consumer to participate in the REC mechanism and the issuance of REC as per the eligibility criteria specified under CERC (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations- 2010 and subsequent amendments thereof.
11.	<b>Wheeling and Cross Subsidy surcharges</b>	Grid solar system under net metering arrangement, whether self-owned or third party owned installed on eligible consumer premises shall be exempted from Wheeling and Cross subsidy surcharges when open access is allowed to the concerned entity.
12.	<b>Tariff for GISPP</b>	Commission may determine suitable tariffs for GISPP (separate Tariff for Projects with and without capital subsidy) as per guidelines provided by the MNRE, Government of India and provisions in the connected Regulations of the Commission
13.	<b>Metering Arrangement</b>	<ul style="list-style-type: none"> <li>• Net meter to be installed at the interconnection points of the eligible consumers with the network of the Distribution Licensee.</li> <li>• Solar meter to be installed at the delivery point of the Solar energy system</li> <li>• Above meters to be compatible with meter reading instrument (MRI) /wireless equipment for recording meter readings:</li> <li>• Net meters to be of accuracy class 1.0 or better or as per the specifications notified by the competent authority.</li> <li>• Solar meters to be of 0.2s class accuracy with facility for recording meter readings</li> <li>• Check meter shall be installed for the solar energy system having capacity more than 20kWp</li> <li>• Supply and installation of meters, action on defective meter/other matters related to meters shall be as per provisions of Regulation 4.2.1 of the AERC (Electricity Supply Code and Related Matters Regulations)-2004 as applicable</li> <li>• Meters to be installed only in the presence of the representatives of the consumer and the Distribution Licensee and to be jointly inspected, sealed and tested on behalf of both the parties.</li> <li>• Meter reading taken by the Distribution Licensee shall form the basis of commercial settlement</li> </ul>
14.	<b>Connection of Meters and Protective Devices:</b>	Two indicative diagrams showing metering and other connecting arrangement of a grid interactive systems without and with battery backup are as per Annexure I & Annexure II respectively of the Regulations.
15.	<b>Agreement</b>	To be signed between the eligible consumers and DISCOM regarding setting up of the system and net metering. A model draft Agreement format annexed as Annexure III of the Regulations
16.	<b>Overriding Effect</b>	These regulations to have overriding effect Notwithstanding anything contained contrary (a) In the AERC (Co-generation and Generation of Electricity from Renewable Sources of Energy) Regulations- 2015 and (b) In the (Terms and Conditions for Determination of Tariff from Renewable Energy Sources) Regulations- 2012 and (c) In the AERC (Renewable Purchase Obligation and its Compliance) Regulations- 2010 and (d) In the AERC (Electricity Supply Code and Related Matters) Regulations- 2004;
17.	<b>Power to Remove Difficulties</b>	Powers vested with the Commission
18.	<b>Issue of Orders and Directions</b>	Powers vested with the Commission
19.	<b>Power to Relax</b>	Powers vested with the Commission