

BIHAR ELECTRICITY REGULATORY COMMISSION

(Rooftop Solar Grid Interactive Systems Based on Net and Gross Metering) Regulations, 2018, Dated: 02-04-2018

Sl. No.	Description	Summary
1.	Scope and Application	The capacity of the solar energy system to be installed at the premises of any eligible consumer under these Regulations shall not be less than one kWp and shall not exceed sanctioned/contracted load of the eligible consumer.
2.	Capacity Targets for Distribution Licensee	<ol style="list-style-type: none">1. The distribution licensee shall provide net or gross metering arrangement to eligible consumers as long as the total capacity (in MW) does not exceed the target capacity determined by the Commission.2. The maximum cumulative capacity of 100MW shall be allowed to eligible consumers under net metering, on yearly basis, in the area of supply of the distribution licensee.3. The cumulative capacity to be allowed at a particular distribution transformer shall not exceed 80% of the capacity of the distribution transformer.
3.	Eligibility	<ol style="list-style-type: none">1. The installation of net or gross metered rooftop solar systems on eligible consumer premises will utilize the same service line and installation for injection of excess power into the grid, which is currently being used by the consumer for drawal of power from the distribution licensee.2. The maximum capacity of an individual rooftop PV system would be equal to the sanctioned load of the consumer.
4.	Interconnection with the Grid	<ol style="list-style-type: none">1. The interconnection of the rooftop solar system with the network of the distribution licensee shall conform to the technical specifications, standards and provisions as provided in the Central Electricity Authority Regulations, 2013 as amended from time to time.2. The distribution Licensee shall also ensure that interconnection of rooftop solar power system with the distribution system of the Licensee conforms to the relevant provisions of the Central Electricity Authority (Measures related to Safety and Electric Supply) Regulations, 2010 as amended from time to time.3. If the Solar Energy Generator, prefers connectivity with battery backup (full load backup/partial load backup), in all such cases the inverter shall have separate backup wiring to prevent the battery/Solar power to flow into the grid in the absence of grid supply and manual isolation switch shall also be provided.
5.	Energy Accounting and Settlement	<ol style="list-style-type: none">1. Net metering arrangement<ol style="list-style-type: none">(a) If the electricity supplied by the distribution licensee during any billing period exceeds the electricity generated by the eligible consumer's rooftop solar system, the distribution licensee shall raise invoice for the net electricity consumption after taking into account any electricity credit balance remaining from previous billing periods; The net energy

		<p>imported has to be billed by the distribution licensee as per tariff in force applicable to that category of eligible consumers.</p> <p>(b) In case the eligible customer is under the ambit of Time of Day tariff (TOD), as determined by the Commission from time to time, the electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity generation in the same time block. Any cumulated excess generation over consumption in any other time block in a billing cycle shall be accounted as if the excess generation occurred during the off-peak time block.</p> <p>2. Gross-metering arrangement</p> <p>(a) The distribution licensee shall undertake meter readings for each billing period. The licensee shall also undertake energy accounting and settlement with the eligible consumer or the third party owner and;</p> <p>(b) The quantum of injected electricity to be paid by the distribution licensee shall be at the Feed-in Tariff approved by the Commission for the relevant year.</p>
6.	Solar Renewable Purchase Obligation	<p>1. The quantum of electricity consumed by eligible consumer, who is not defined as obligated entity, from the rooftop solar system under net-metering/gross-metering arrangement shall qualify towards compliance of Solar Renewable Purchase Obligation for the distribution licensee.</p> <p>2. The distribution licensee shall allow non-discriminatory open access to rooftop solar producer under net or gross metering arrangement, whether self owned or third party owned, in the event of sale of power to the third party or to a captive generator.</p>
7.	Metering Arrangement	<p>1. The metering system shall be as per the provisions of CEA (Installation & operation of meters) Regulations, 2006, CEA (Measures relating to Safety and electricity supply) Regulations, 2010 and CEA (technical standards for Connectivity of the distributed generation resources), Regulations, 2013 as amended from time to time and in compliance with the norms fixed by BERC/CERC from time to time.</p> <p>2. 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.</p>
8.	Penalty or Compensation	<p>In case of failure of net metering system, the provisions of compensation shall be as per the provisions of the standard of performance regulations for distribution licensee.</p>