

# Uttar Pradesh Electricity Regulatory Commission

## (Rooftop Solar PV Grid Interactive Systems Gross / Net Metering) Regulations, 2019, Dated: 04.01.2019

Sl. No.	Description	Summary
1.	<b>Control Period</b>	
2.	<b>Applicability</b>	<ol style="list-style-type: none"> <li>1. These Regulations shall apply to the Distribution Licensees, the eligible consumers of the Distribution Licensees and third party owners of gross metering arrangement of rooftop solar PV system in the State of Uttar Pradesh.</li> <li>2. The eligible consumer may install the rooftop solar PV system under gross metering arrangement or the Net Metering Arrangement. Metered Agricultural or metered Residential/Domestic category under LMV-5 and LMV-1 category respectively, can install rooftop solar PV system under net metering arrangement or the Gross Metering Arrangement.</li> <li>3. These Regulations do not preclude the right of the State Authorities to undertake rooftop solar projects above 2 MWp through alternative mechanism.</li> </ol>
3.	<b>Capacity of Rooftop PV System</b>	<ol style="list-style-type: none"> <li>1. The maximum peak capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer shall not exceed 100% of the connected /contracted demand of the consumer.</li> <li>2. The capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer or third party owner shall not be less than 1 kWp and shall not exceed 2 MWp.</li> <li>3. The capacity of the grid connected rooftop solar PV system shall be in conformity with the provisions relating to the connected load or contracted demand permissible under the UPERC (Electricity Supply Code) Regulations, 2005 and subsequent amendments thereof.</li> </ol>
4.	<b>Capacity of Transformer</b>	<ol style="list-style-type: none"> <li>1. The capacity to be allowed in the area fed from a distribution transformer (DT) or any other transformer from which power is fed to the eligible consumer is not more than 75% of that DT or any other transformer.</li> <li>2. If augmentation of transformer/distribution network is required, then up to total 10 kWp solar rooftop installation, the consumer would not pay any charge except to a onetime charge computed at the rate of Rs 1000 per kWp on the capacity beyond 10 kWp, as cost of augmentation of system, e.g. a consumer willing to install a 15 kWp RPV Plant shall be paying Rs 5,000 (5x1000) as RSPV cost to the utility.</li> </ol>
5.	<b>Interconnection with the Distribution System</b>	<ol style="list-style-type: none"> <li>1. The cost of evacuation system and interconnection of the rooftop solar PV system with the distribution system shall be borne by the eligible consumer or third party owner, as the case may be.</li> <li>2. The Distribution Licensee shall have the right to disconnect the rooftop solar PV system at any time in the event of possible threat/damage, from such rooftop solar PV system to its distribution system, to prevent an accident or damage.</li> </ol>
6.	<b>Metering Arrangement</b>	<ol style="list-style-type: none"> <li>1. All the meters shall adhere to the standards and provisions specified in CEA (Installation and Operation of Meters), Regulations, 2006 and subsequent amendments thereof</li> <li>2. The rate at which the Solar Injection Compensation to be paid by the Distribution Licensee to the eligible consumer or third party owner as the case may be, shall be the weighted average tariff of Large Scale Solar projects of 5MW and more, discovered through Competitive Bidding in last Financial Year and adopted by the Commission plus an incentive of 25%.</li> </ol>

		<p>e.g. For FY 2018-19, weighted average tariff of large Solar projects of 5 MW and more discovered through Competitive Bidding in FY 2017-18 and adopted by the Commission plus an incentive of 25% shall be applicable. In case no bidding is done in previous Financial Year, then the last applicable tariff for gross metering shall continue.</p> <ol style="list-style-type: none"> <li>3. Rebate and late payment surcharge on early or delayed payment of the Solar Injection Compensation as the case may be shall be levied in the same manner as per the procedure laid down by the Commission in the UPERC (Electricity Supply Code) Regulations, 2005 and subsequent amendments thereof.</li> <li>4. There shall be no deemed generation charges payable to the eligible consumer or third party owner of the solar rooftop system.</li> <li>5. The installation of check meters shall be mandatory for rooftop solar PV system having rated capacity more than 50 kW. For installations having rated capacity up to 50 kW, the eligible consumer or the Distribution Licensee who so ever if desires, may install check meter at their own cost.</li> <li>6. The check meter shall be installed after the inverter of the solar rooftop system.</li> </ol>
7.	<b>Energy Accounting and Settlement</b>	<ol style="list-style-type: none"> <li>1. If the electricity injected exceeds the electricity consumed during the billing period, such excess injected electricity shall be carried forward to next billing period as electricity credit and may be utilized to net electricity consumed in future billing periods but within the settlement period.</li> <li>2. In case the eligible customer is under the ambit of time of day tariff, 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 excess generation over consumption in any time block in a billing cycle shall be carried forward to the corresponding time block in the subsequent month for adjustment purpose.</li> <li>3. The excess electricity measured in kilo-watt hour may only be utilized to offset the consumption measured in kilo-watt hour and may not be utilized to compensate any other fee and charges imposed by the Distribution Licensee as per the instructions of Commission.</li> <li>4. When an eligible consumer leaves the system, the unused electricity credits for that consumer in case of Net Metering arrangement shall be paid at Net Metering Rate of Rs 2/kWh by the Distribution Licensee or as notified by the Commission from time to time.</li> <li>5. There shall be no deemed generation charges payable to the eligible consumer.</li> <li>6. In case the applicable tariff provides for billing on kVAh basis, the net drawl or injection of energy shall also be measured in kVAh.</li> <li>7. Regardless of availability of electricity credits with the eligible consumer during any billing period, the consumer shall continue to pay applicable charges such as fixed/ demand charges, Government levy etc.</li> </ol>
8.	<b>Applicability of other charges</b>	In rooftop solar PV system under gross metering scheme or net metering scheme, whether self-owned or third party owned and installed on eligible consumer premises shall be exempted from wheeling and cross subsidy surcharge.
9.	<b>Solar Renewable Purchase Obligation (SRPO)</b>	In case of gross metering/net metering scheme, the quantum/the total quantum of solar electricity generation by eligible consumer, who is not defined as Obligated entity, from the rooftop solar PV system shall qualify towards compliance of Renewable Purchase Obligation (RPO) for the Distribution Licensee in whose area of supply the eligible consumer is located.
10.	<b>Renewable Energy Certificate Mechanism</b>	The eligibility for Renewable Energy Certificate and issuance of such renewable energy certificate shall be as per the eligibility criteria specified under 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>Penalty or Compensation</b>	In case of failure of gross metering or net metering system as the case may be, the provisions of penalty or compensation shall be as per the provisions of the provided in the UPERC (Electricity Supply Code) Regulations, 2005 and subsequent amendments thereof or as determined by the Commission from time to time.
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