

GUJARAT ELECTRICITY REGULATORY COMMISSION

(Net Metering Rooftop Solar PV Grid Interactive Systems) Regulations, 2016,

Dated: 18-06-2016 with amendment Dated: 06-10-2017

Sl. No.	Description	Summary												
1.	Scope and Application	<ol style="list-style-type: none"> 1. These Regulations shall apply to the distribution licensee and consumers of electricity of distribution licensee availing supply from it in its area of supply in the State of Gujarat, or consumers who are receiving electricity from its own generating source but situated in the distribution licensee area. 2. These Regulations do not preclude the right of relevant Distribution licensee or State Government Department/authorities to undertake Rooftop Solar PV projects above 1 MW capacity through alternative mechanisms. 												
2.	Capacity Targets for Distribution Licensee	<ol style="list-style-type: none"> 1. The cumulative capacity to be allowed at a particular distribution transformer shall not exceed 65% of the peak capacity of the distribution transformer. 2. The capacity of Rooftop Solar PV System to be installed at the premises of any consumer shall not be less than one Kilo Watt (1 kW). 												
3.	Eligible Consumer and Individual Project Capacity	<ol style="list-style-type: none"> 1. The maximum Rooftop Solar PV System capacity to be installed at any Eligible Consumer's premises except Residential Consumers shall be upto a maximum of 50% of consumer's sanctioned load/contract demand; whereas in case of Residential Consumers, the Rooftop Solar PV System capacity shall be irrespective of their sanctioned load/contract demand. 2. The installed capacity shall not be less than 1 kW and shall not exceed 1 MW. 												
4.	Connectivity Levels with the Grid	<p>The connectivity levels at which the Rooftop PV Solar System shall be connected with the grid are as specified below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr. No.</th> <th style="text-align: center;">Connected load of Eligible Consumer</th> <th style="text-align: center;">Connectivity level</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Upto 6 kW</td> <td style="text-align: center;">240 V- single phase</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">Above 6 kW and upto 18.65 kW</td> <td style="text-align: center;">415 V-Three phase</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">Above 18.65 kW and upto 100 kW/kVA</td> <td style="text-align: center;">415 V-Three phase</td> </tr> </tbody> </table>	Sr. No.	Connected load of Eligible Consumer	Connectivity level	1.	Upto 6 kW	240 V- single phase	2.	Above 6 kW and upto 18.65 kW	415 V-Three phase	3.	Above 18.65 kW and upto 100 kW/kVA	415 V-Three phase
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5.	Energy Accounting and Settlement	<ol style="list-style-type: none"> 1. Any energy injected prior to commissioning shall be deemed as inadvertent power. The consumer/Solar PV owner is not eligible to receive any monetary compensation for such inadvertent power. 2. For each billing period, the licensee shall show the quantum of electricity injected by Eligible Consumer/Solar PV system in the grid, electricity supplied by the distribution licensee, net billed electricity for payment by the consumer and net exported energy after adjustment against the consumption separately. 3. In the event the electricity injected exceeds the electricity consumed during the billing period, such excess injected electricity after adjustment of consumption shall be purchased by the concerned Distribution Licensee at the APPC rate determined by the Commission for the year in which the Rooftop Solar PV System is commissioned for whole life of the Rooftop Solar PV System. 4. Banking of energy shall be allowed within one billing cycle of the consumer, wherein set off may be given against energy consumed at any time of the billing cycle. However, peak charges shall be applicable for consumption during peak hours. 												

6.	Other Charges	The Rooftop Solar PV System under net metering arrangement, installed on the Eligible Consumer's premises, shall be exempted from Transmission Charge, Transmission Loss, Wheeling Charge, Wheeling Loss, Cross Subsidy Surcharge and Additional Surcharge.
7.	Metering Arrangement	<ol style="list-style-type: none"> 1. Bi-directional meter or alternately two separate meters for import and export of the same accuracy class as the consumer's meter existing before the commissioning of the Rooftop Solar PV System shall be installed in replacement of existing meter. Such meters may be provided by the distribution licensee or consumer. If the meter is installed by the distribution licensee in that case, cost of the same shall be recovered from the consumer. 2. The main Solar Meters shall be of 0.2s class accuracy and with facility for recording meter readings using Meter Reading Instrument (MRI) or wireless equipment. Check meters shall be mandatory for Rooftop Solar PV Systems having capacity more than 20 kW. For installations size of less than or equal to 20 kW, the Solar Check meters would be optional.
8.	Sharing of CDM Benefits	100% of the gross proceeds on account of CDM benefit to be retained by the Rooftop Solar PV System owner.
9.	Penalty or Compensation	In case of failure of net metering system, penalty or compensation shall be payable as per the provisions of the GERC (Standard of Performance of Distribution Licensee) Regulations, 2005 as amended from time to time.
10.	Solar Renewable Purchase Obligation	The quantum of electricity consumed by the Eligible Consumer, who is not defined as an obligated entity, from the Rooftop Solar PV System under net-metering arrangement shall qualify towards compliance of Renewable Purchase Obligation (RPO) for the distribution licensee and no REC shall be issued as the generated solar energy shall be used to meet the Distribution licensee's RPO.