

HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION

(Rooftop Solar PV Grid Interactive Systems based on Net Metering) Regulations, 2015, Dated: 31.07.2015 with amendment Dated: 06.11.2018

Sl. No.	Description	Summary												
1.	Control Period	N.A.												
2.	Applicability	Distribution licensee and the eligible consumers of the distribution licensee.												
3.	Capacity of Rooftop Solar PV Systems	<p>The maximum peak capacity of the rooftop solar system to be installed by any individual consumer covered under two part tariff shall not exceed 80 % of the sanctioned contract demand and such maximum limit in case of individual consumers, covered under single part tariff, shall be as follows, namely</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;">For consumers having sanctioned connected load.</th> <th style="text-align: center;">Maximum peak capacity of Solar PV Project</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">5 kW or less.</td> <td style="text-align: center;">100% of sanctioned connected load.</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">Exceeding 5kW but not exceeding 10 kW.</td> <td style="text-align: center;">70% of sanctioned connected load or 5 kW; whichever is higher.</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">Exceeding 10 kW.</td> <td style="text-align: center;">50% of sanctioned connected load or 7 kW; whichever is higher:</td> </tr> </tbody> </table>	Sr. No.	For consumers having sanctioned connected load.	Maximum peak capacity of Solar PV Project	1.	5 kW or less.	100% of sanctioned connected load.	2.	Exceeding 5kW but not exceeding 10 kW.	70% of sanctioned connected load or 5 kW; whichever is higher.	3.	Exceeding 10 kW.	50% of sanctioned connected load or 7 kW; whichever is higher:
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4.	Capacity of transformer	The distribution licensee shall provide information on its website regarding capacity available in different transformer(s).												
5.	Interconnectivity	The interconnection of the rooftop solar system with the consumer installations and the distribution system of the licensee conforms to the specifications, standards and provisions as provided in the Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013.												
6.	Metering Arrangement	<ol style="list-style-type: none"> 1. The eligible consumer shall, for recording the electricity generation install and maintain main Solar Meter of 0.2s class accuracy with facility for recording meter reading using Meter Reading Instrument (MRI) or Wireless equipment. 2. Check meter shall be mandatory for Rooftop Solar PV System having capacity of more than 20 kW. For installation of capacity of less than or equal to 20 kW, the solar check meter would be optional. The cost of such meter(s) shall be borne by the eligible consumer. 3. All the meters to be installed for net metering shall be of the same or of better Accuracy Class Index. The net meter to be installed for the eligible consumer shall be compliant to the requirements as per the applicable tariff including those relating to Time of Day (ToD) tariff and in case of consumer availing open access, shall also have the requisite features of special energy meters. 												
7.	Energy Accounting and Settlement	<ol style="list-style-type: none"> 1. In the event, the eligible consumer exports energy, on net basis, to the distribution system during a billing period, the energy so exported on net basis, shall be carried forward in shape of electricity credit to the immediately next billing period, forming part of the settlement period. 2. In the event, the eligible consumer imports energy, on net basis and after adjusting the electricity credits if any, carried forward from the immediately preceding the billing period, from the distribution system during a billing period, the distribution licensee shall recover energy charges for such 												

		<p>chargeable energy so drawn (i.e. chargeable net energy) at the applicable rates of energy charges.</p> <p>3. In case of consumer availing open access, the energy accounting shall also be done in accordance with open access regulations on the basis of flows and deviation for the respective time blocks in which open access is availed and the same shall be duly accounted for while raising bills.</p>
8.	Energy Charges	<p>1. In cases where the Letter of Approval is issued, the amount payable to the consumers for such energy shall be worked out at a fixed rate of Rs. 5.00 per kWh of the energy to be settled in case of consumers covered under single part tariff and at a fixed rate Rs. 4.50 per kVAh in case of consumers covered under two parts tariff.</p> <p>2. If the amount of subsidy or grant or both, available to eligible consumer under the relevant scheme(s) of the Government(s) (State or Centre) or their agencies, exceeds 50% of the normative capital cost of the rooftop solar PV system, the aforesaid rates of Rs. 5.00 per kWh and Rs. 4.50 per kVAh, as applicable, shall be reduced by 50% and such eligible consumer shall, for such purposes, be deemed to have availed the total (maximum) subsidy or grant, or both, as available under such scheme(s) irrespective of the amount actually availed by him.</p> <p>3. In case of consumers, other than domestic supply consumers, the distribution licensee shall settle such energy at the end of the settlement period at zero rate i.e. without any payment for the same.</p>
9.	Demand Charges	The licensee shall recover the demand charges, including the additional demand charges for peak load hours and the contract demand violation charges, from the consumer as per the provisions of applicable tariff.
10.	Other charges	<p>1. Any other charges as per the applicable tariff shall be charged to the consumer at par with other consumers of similar category who are not generating any Rooftop Solar PV power under this scheme.</p> <p>2. In cases where the consumer is getting supply at a voltage lower than the standard supply voltage specified in the Supply Code, the Low Voltage Supply Surcharge (LVSS) shall be charged as per the rate(s) approved in the tariff orders issued by the Commission from time to time on the sum total of the solar generation and the total consumption of the consumer in each billing month.</p>
11.	wheeling, banking and cross subsidy surcharge	The Rooftop Solar PV system under net metering arrangement shall be exempted from wheeling, banking and cross subsidy surcharge for a period of Five (5) years, unless extended thereafter.
12.	Renewable Power Purchase Obligation	The quantum of electricity generated by the eligible consumer under these regulations shall qualify towards compliance of Renewable Power Purchase Obligation (RPPO) of the distribution licensee.
13.	Renewable Energy Certificate (REC) Mechanism	Nothing contained in these regulations shall apply to a Solar PV generator, intending to sell power under Renewable Energy Certificate mechanism and he shall be free to sell power under such mechanism, as per the provisions of the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010
14.	Penalty or Compensation	In case of failure of net metering system, the provisions of penalty or compensation shall be applicable as per the provisions of the Himachal Pradesh Electricity Regulatory Commission (Distribution Performance Standards) Regulations, 2010