

# Assam Solar Energy Policy, 2017, Dated: 16.01.2018

Sl. No.	Description	Summary																																																																															
1.	<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. To create an enabling environment for businesses and developers to participate and invest in the process of targeted solar power capacity expansion of 590 MW by 2019-20 in the state of Assam by means of multiple models of solar power generation.</li> <li>2. To encourage residential, commercial, industrial and Government consumers for adoption of modern solar power technology with on-grid and off-grid installations.</li> <li>3. To encourage setting up of Solar Parks with the necessary utility infrastructure facilities in the state on vacant Government lands.</li> <li>4. To incorporate the provisions for solar energy in the municipal byelaws for promotion of rooftop solar plants</li> </ol>																																																																															
2.	<b>Operative Period</b>	16.01.2017 to 31.03.2020																																																																															
3.	<b>Eligible Entity</b>	All registered companies, firms, societies, Government entities, consumers of DISCOM and individuals will be eligible for setting up of Solar Power Projects within the State for sale of electricity or captive use, in accordance with the Electricity Act - 2003, as amended from time to time.																																																																															
4.	<b>Target Capacity</b>	<p>The State shall strive to achieve the following targets within the year 2019-2020:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Description</th> <th colspan="4" style="text-align: center;">Target Capacity (MW)</th> </tr> <tr> <th style="text-align: center;">2017-18</th> <th style="text-align: center;">2018-19</th> <th style="text-align: center;">2019-20</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;"><b>A. Grid Connected Solar Power Plant</b></td> </tr> <tr> <td>Solar Park</td> <td style="text-align: center;">80</td> <td style="text-align: center;">60</td> <td style="text-align: center;">60</td> <td style="text-align: center;">200</td> </tr> <tr> <td>Solar Power Plants for sale of power to APDCL</td> <td style="text-align: center;">100</td> <td style="text-align: center;">50</td> <td style="text-align: center;">50</td> <td style="text-align: center;">200</td> </tr> <tr> <td>Solar Power Plants for sale of power to any entity other than APDCL</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Solar Power Plants under REC mechanism</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Solar Power Projects under any scheme of State Government</td> <td style="text-align: center;">3</td> <td style="text-align: center;">5</td> <td style="text-align: center;">7</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Captive Solar Power Plant</td> <td style="text-align: center;">6</td> <td style="text-align: center;">10</td> <td style="text-align: center;">13</td> <td style="text-align: center;">29</td> </tr> <tr> <td><b>Sub - Total (A)</b></td> <td style="text-align: center;"><b>196</b></td> <td style="text-align: center;"><b>132</b></td> <td style="text-align: center;"><b>137</b></td> <td style="text-align: center;"><b>465</b></td> </tr> <tr> <td colspan="5" style="text-align: center;"><b>B. Grid Connected Rooftop Solar Power Plant</b></td> </tr> <tr> <td><b>Sub - Total (B)</b></td> <td style="text-align: center;"><b>30</b></td> <td style="text-align: center;"><b>40</b></td> <td style="text-align: center;"><b>40</b></td> <td style="text-align: center;"><b>110</b></td> </tr> <tr> <td colspan="5" style="text-align: center;"><b>C. Off Grid Solar Applications</b></td> </tr> <tr> <td>Solar Pump</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Mini / Micro Grid Solar Power Plant</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Solar Home Light, Solar Street Light</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	Description	Target Capacity (MW)				2017-18	2018-19	2019-20	Total	<b>A. Grid Connected Solar Power Plant</b>					Solar Park	80	60	60	200	Solar Power Plants for sale of power to APDCL	100	50	50	200	Solar Power Plants for sale of power to any entity other than APDCL	5	5	5	15	Solar Power Plants under REC mechanism	2	2	2	6	Solar Power Projects under any scheme of State Government	3	5	7	15	Captive Solar Power Plant	6	10	13	29	<b>Sub - Total (A)</b>	<b>196</b>	<b>132</b>	<b>137</b>	<b>465</b>	<b>B. Grid Connected Rooftop Solar Power Plant</b>					<b>Sub - Total (B)</b>	<b>30</b>	<b>40</b>	<b>40</b>	<b>110</b>	<b>C. Off Grid Solar Applications</b>					Solar Pump	1	1	1	3	Mini / Micro Grid Solar Power Plant	2	2	2	6	Solar Home Light, Solar Street Light	1	1	1	3
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		Grand Total	<b>231</b>	<b>177</b>	<b>182</b>	<b>590</b>																																							
<b>5.</b>	<b>Category</b>	<p>1. Solar Parks: minimum capacity of Solar Park shall be 20 MW.</p> <p>2. Grid connected Rooftop:</p> <p>a) EXIM metering:</p> <p>(i) The amount due to the consumer on account of injection of solar energy to the grid shall be reckoned @75% of the APPC rate. This amount shall be adjusted from the monthly bill.</p> <p>(ii) No payment shall be made by APDCL for any excess energy injected from the RTS Plant to the grid beyond 90% of the energy consumed from the grid during the billing cycle.</p> <p>b) Gross Metering: Tariff for the Grid Connected RTS Plant under gross metering shall be discovered through competitive bidding process approved by AERC.</p> <p>c) The State shall strive to achieve the objectives of the policy and aim at implementing grid connected rooftop solar power plants during the operative period as per the following table</p> <table border="1"> <thead> <tr> <th rowspan="2">Establishments</th> <th colspan="4">Target Capacity (MW)</th> </tr> <tr> <th>2017-18</th> <th>2018-19</th> <th>2019-20</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Residential</td> <td>6</td> <td>7</td> <td>8</td> <td>21</td> </tr> <tr> <td>Government</td> <td>6</td> <td>10</td> <td>10</td> <td>26</td> </tr> <tr> <td>Social &amp; Institutional</td> <td>3</td> <td>5</td> <td>8</td> <td>16</td> </tr> <tr> <td>Commercial</td> <td>5</td> <td>10</td> <td>7</td> <td>22</td> </tr> <tr> <td>Industrial</td> <td>10</td> <td>8</td> <td>7</td> <td>25</td> </tr> <tr> <td><b>Total</b></td> <td><b>30</b></td> <td><b>40</b></td> <td><b>40</b></td> <td><b>110</b></td> </tr> </tbody> </table> <p>1. The minimum and maximum size of Grid Connected RTS Plant at Single location shall be 1 kW and 1000 kW respectively.</p> <p>2. SDEs shall be empowered to release EXIM metering connection up-to 500 KW under the policy. Above 500 kW and upto 1000 kW, the existing delegation of power for APDCL official shall be applicable for the purpose.</p>					Establishments	Target Capacity (MW)				2017-18	2018-19	2019-20	Total	Residential	6	7	8	21	Government	6	10	10	26	Social & Institutional	3	5	8	16	Commercial	5	10	7	22	Industrial	10	8	7	25	<b>Total</b>	<b>30</b>	<b>40</b>	<b>40</b>	<b>110</b>
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<b>6.</b>	<b>Solar plants set up by private developers for sale of power to APDCL solely</b>	<p>1. The State Government shall promote development of solar power plants for sale of generated electricity to APDCL through tariff based competitive bidding route.</p> <p>2. The capacity of Solar Power Plant for the bidding process shall be 3 MW to 20 MW.</p> <p>3. APDCL may or may not set up the evacuation facility depending on the mode of execution of the project.</p> <p>4. APDCL would enter into long term PPA of 25 years with SPGs who are selected based on a competitive bidding process.</p>																																											
<b>7.</b>	<b>Development of Solar Power Plants for Sale of Electricity to any entity other than APDCL</b>	<p>1. The State Government shall promote SPGs for setting up Solar Power Projects for sale of power to 3<sup>rd</sup> party within or outside the State through open access.</p> <p>2. The minimum capacity of solar power plant shall be 1 MW.</p> <p>3. A captive generating solar power plant intending to inject power to the grid with a minimum of 1 MW.</p> <p>4. The maximum solar plant capacity for sale of power within or outside the state shall be</p>																																											

		<p>allowed based on transmission and evacuation capacity of the network.</p> <p>5. The State shall promote for an aggregate capacity 15 MW solar power plants under this category in the next 3 years up to the year 2019-20.</p>																													
8.	<b>Development of solar power plants under Renewable Energy Certificate Mechanism</b>	The projects under REC mechanism shall be developed in following modes:																													
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9.	<b>Government Scheme</b>	<p><b>Development of solar power plants under the schemes announced by Government of India :</b></p> <p>The State Government shall extend support its cooperation to the SPG participating in the schemes announced by the MNRE, Gol, from time to time.</p>																													
10.	<b>Other Schemes</b>	<p><b>Development of solar power plants under any other scheme of State Government :</b></p> <p>The State Government shall promote development of solar power plants under any other scheme announced by the State Government, from time to time.</p>																													
11.	<b>Captive Solar Power Plant</b>	<ol style="list-style-type: none"> <li>The captive consumer shall consume at-least 51% of the aggregate electricity generated in solar plant. The surplus energy may be sold either to APDCL @75% of the APPC rate or to any entity within or outside the state.</li> <li>The captive solar power plant availing open access for 3<sup>rd</sup> party sale within the state shall be exempted from wheeling, transmission &amp; cross subsidy surcharge for a period of 3 years</li> <li>The captive solar power plant availing open access for 3<sup>rd</sup> party sale outside the state, charges shall be applicable to normal open access consumer determined by AERC, as amended from time to time</li> </ol>																													
12.	<b>Decentralized &amp; off - Grid Solar Applications</b>	<p><b>Solar PV Pumps for Micro - Irrigation &amp; Drinking Water Supply:</b></p> <ol style="list-style-type: none"> <li>The state shall provide a maximum subsidy upto 30% of the capital cost of the system.</li> <li>The State of Assam shall promote 1200 nos. of solar water pumping systems with aggregate capacity 6 MW in the next 3 years up to the year 2019-20</li> </ol>																													
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13	<b>Grid Schemes</b>	<p><b>Mini/ Micro Grid Solar Power Plant for Electrification of un-electrified villages :</b></p> <p>The State of Assam shall promote 6 MW aggregate capacities of Mini/Micro Grid Solar Power Plant shall be installed in the next 3 years upto the year 2019 -20.</p>																													

14.	<b>Other solar PV Applications</b>	Other solar PV applications such as solar home lights, solar street light and off-grid Solar Power Plants for use in stand-alone mode by individual and communities. The target sets under this segment is as follows:				
		<b>Item</b>	<b>Target Capacity (Nos./MW)</b>			
			2017-18	2018-19	2019-20	Total
		1. Solar Home Light				
		Number (Nos.)	5000	5000	5000	15000
		Capacity (MW)	0.5	0.5	0.5	1.5
		2. Solar Heat Light				
		Number (Nos.)	5000	5000	5000	15000
		Capacity (MW)	0.5	0.5	0.5	1.5
		3. Off-grid Solar Power Plant				
Capacity (MW)	1.0	1.0	1.0	3.0		
<ol style="list-style-type: none"> <li>The state shall provide a maximum subsidy upto 20% of the capital cost of solar street lighting system as applicable.</li> <li>The state shall promote for implementation of off-grid solar power plants in remote and rural areas by providing upto a maximum of 30% of the capital cost as subsidy.</li> </ol>						
15.	<b>Metering Arrangement</b>	The metering of electricity generated from the SPGs, shall be complying with the provisions of relevant Meter Regulations of Central Electricity Authority and amendment thereto.				
16.	<b>Power Evacuation</b>	<b>Wheeling and Transmission charges</b> -Exempted within State				
17.	<b>Cross Subsidy Charges &amp; Additional Charges</b>	Cross subsidy surcharge shall be exempted for third party sale provided the source of power is from Solar power- Projects setup within the State for a period of three (3) years from the date of commissioning of the Solar Power Plant.				
18.	<b>Electricity Duty/CESS</b>	Exempted for all solar power projects including captive units for 3 years.				
19.	<b>Government of India Incentives</b>	Various concessions allowed by MNRE, Ministry of Electronics and IT shall be allowed to SPGs for the purpose of related solar power projects				
20.	<b>Land</b>	The SPG shall be responsible for obtaining the land for setting up and operating solar power projects				
21.	<b>Nodal Agency</b>	APDCL shall act as a Nodal Agency for implementation of Solar Power Projects				
22.	<b>Registration Fee</b>	<ol style="list-style-type: none"> <li>For capacities upto 5 kW Rs. 1000/-</li> <li>Capacities above 5 kW to 50 kW ----- Rs. 3000/-</li> <li>Capacities above 50 kW to 100 kW -----Rs. 8000/-</li> <li>Capacities above 100 kW to 500 kW -----Rs. 12000/-</li> <li>Capacities above 500 kW to 1000 kW ----- Rs. 18000/-</li> <li>Capacities more than 1000 kW ----- Rs. 18000/- per MW</li> </ol>				

