

# Gujarat Solar Power Policy-2015 Dated: 13.08.2015

Sl. No.	Description	Summary
1.	<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. To promote green and clean power and to reduce the State's carbon emission;</li> <li>2. To reduce dependency on fossil fuels for energy security and sustainability;</li> <li>3. To help reduce the cost of renewable energy generation;</li> <li>4. To promote investment, employment generation and skill enhancement in the renewable energy sector;</li> <li>5. To promote productive use of barren and uncultivable lands;</li> <li>6. To encourage growth of local manufacturing facilities in line with the 'Make in India' programme;</li> <li>7. To promote research, development and innovation in renewable energy.</li> </ol>
2.	<b>Operative Period</b>	13.08.2015 to 31.03.2020 <ul style="list-style-type: none"> <li>• Solar Power Generators (SPGs) installed and commissioned during the Operative Period shall become eligible for the benefits and incentives declared under this Policy, for a period of 25 years from their date of commissioning or for the lifespan of the SPGs, whichever is earlier.</li> </ul>
3.	<b>Installed Capacity</b>	The minimum size of a MW-scale project shall be 1 MW and that for a kW-scale project shall be 1 kW.
4.	<b>Eligible Entity for Rooftop PV system with net metering</b>	<ol style="list-style-type: none"> <li>1. own the rooftop solar PV system;</li> <li>2. own or be in legal possession of the premises including the rooftop or terrace on which the entity intends to install the PV system including the PV modules;</li> <li>3. be a Consumer of the local DisCom, and the premises where the entity intends to set up the rooftop photovoltaic system shall be connected to the DisCom's grid; and</li> <li>4. consume all of the electricity generated from the rooftop solar PV system at the same premise. If the Consumer is not able to consume all of the generated electricity in the same premise, relevant provisions defined in this Policy shall be applicable to the generated surplus electricity.</li> </ol>
<b>For Residential and Government Consumers</b>		
5.	<b>Capacity</b>	Up to a maximum of 50% of Consumer's sanctioned load.
6.	<b>Tariff</b>	<b>In case of net import:</b> Consumer's existing tariff shall apply. <b>In case of net export:</b> Any surplus energy generated and exported after adjustment of consumption at the end of the billing cycle shall be purchased by the concerned DisCom at APPC rate of the year in which the SPG is commissioned.
7.	<b>Metering</b>	<ol style="list-style-type: none"> <li>1. As per the CEA Metering Regulations, 2014.</li> <li>2. Bi-directional meter of same accuracy class as the Consumer's meter existing before SPG installation shall be used.</li> </ol>
8.	<b>Charges</b>	<b>Wheeling/Transmission Charge/Loss</b> -Not applicable
9.	<b>Energy Accounting</b>	Banking of energy shall be allowed within one billing cycle of the consumer.
10.	<b>Electricity Duty</b>	Exempted on the generated solar power.
11.	<b>Other Charges</b>	<b>Cross-Subsidy surcharge/Additional Surcharge</b> -Exempted
12.	<b>Renewable Purchase Obligation (RPO)</b>	The generated energy from the SPG shall be credited towards meeting the DisCom's RPO.
13.	<b>Renewable Energy Certificates</b>	Not applicable as the generated solar energy shall be used to meet the DisCom's RPO.

14.	<b>CDM Benefits</b>	100% retained by the Consumer.
<b>For Industrial, Commercial and Other Consumers</b>		
15.	<b>Consumer Category</b>	<p><b>Type 1:</b> shall utilize only the 'energy' attribute of the generated solar energy from the rooftop solar PV system, and not utilize the 'renewable' attribute for RPO or REC.</p> <p><b>Type 2:</b> shall utilize both the 'energy' as well as the 'renewable attribute' of the generated solar energy.</p> <p><b>Type 2(a):</b> wherein the 'renewable attribute' would be used to meet the Consumer's RPO.</p> <p><b>Type 2(b):</b> wherein the 'renewable attribute' would be used to get RE certificate under REC Mechanism.</p>
16.	<b>Capacity</b>	Up to a maximum of 50% of the sanctioned load/ contract demand of the Consumer.
17.	<b>Tariff</b>	<ol style="list-style-type: none"> <li>1. For Type 1 Consumer: <ol style="list-style-type: none"> <li>a) In case of net import: Consumer's existing tariff shall apply.</li> <li>b) In case of net export: surplus solar energy generated and exported after adjustment of consumption at the end of the billing cycle shall be purchased by the concerned DisCom at APPC rate of the year in which the SPG is commissioned.</li> </ol> </li> <li>2. For Type 2 Consumer: <ol style="list-style-type: none"> <li>a) In case of net import: Consumer's existing tariff shall apply.</li> <li>b) In case of net export: surplus solar energy generated and exported after adjustment of consumption in 15-minute time blocks shall be purchased by the DisCom at the APPC rate of the year in which the SPG is commissioned for Type 2 (a); and at 85% of APPC rate of the year in which the SPG is commissioned for Type 2(b).</li> </ol> </li> </ol>
18.	<b>Metering</b>	<ol style="list-style-type: none"> <li>1. As per the CEA Metering Regulations, 2014.</li> <li>2. Type 1 Consumer: The bi-directional meter of same accuracy class as the Consumer's meter existing before SPG installation shall be used.</li> <li>3. Type 2 Consumer: ABT-compliant meter shall be used.</li> </ol>
19.	<b>Demand Cut</b>	Exemption from demand cut up to 50% of the installed solar capacity, wherever technically feasible.
20.	<b>Wheeling/Transmission Charge/Loss</b>	Not applicable as energy is consumed at point of generation.
21.	<b>Energy Accounting</b>	<p><b>For Type 1 Consumer:</b> Banking of energy shall be allowed within one billing cycle of the Consumer, wherein setoff may be given against energy consumed at any time of the billing cycle. However peak charges shall be applicable for consumption during peak hours.</p> <p><b>For Type 2 Consumer:</b> The solar energy generated shall be adjusted against consumption in a 15-minute time block. Surplus solar energy generated and exported during a 15-minute time block shall be purchased by the DisCom</p> <ol style="list-style-type: none"> <li>a) for Type 2 (a) at the APPC rate of the year in which the SPG is commissioned and,</li> <li>b) for Type 2(b) at 85% of APPC rate of the year in which SPG is commissioned.</li> </ol>
22.	<b>Electricity Duty</b>	Exempted on the generated solar power.
23.	<b>Cross-Subsidy surcharge/Additional Surcharge</b>	Type 1 Consumer: Exempted on the generated solar power. Type 2 Consumer: Exempted on the generated solar power
24.	<b>Renewable Purchase Obligation (RPO)</b>	<b>Type 1 Consumer:</b> All the solar energy generated by the SPG shall be credited towards meeting the concerned DisCom's RPO.

		<p><b>Type 2 Consumer:</b>  <b>Type 2 (a)</b> the solar energy generated and consumed by the Consumer during a 15-minute time block shall be credited towards meeting the Consumer's RPO. Surplus solar energy exported during the 15- minute time block and purchased by the DisCom shall be credited towards meeting the DisCom's RPO.  <b>Type 2(b)</b> the solar energy generated in 15 time block shall be considered for getting RE Certificate.</p>
25.	<b>Renewable Energy Certificates (REC)</b>	<p><b>Type 1 Consumer:</b> Not applicable as the generated energy shall be credited towards meeting the DisCom's RPO.  <b>Type 2 Consumer:</b>  <b>Type 2 (a)</b> The solar energy consumed by consumer during the 15-minute time block shall be credited towards meeting consumer's RPO.  <b>Type 2 (b)</b> The SPG may avail RE certificate for entire net generation.</p>
26.	<b>CDM Benefits</b>	100% retained by the Consumer/generator.
<b>Solar Projects for Captive Consumption</b>		
27.	<b>Capacity</b>	Up to a maximum of 50% of the contract demand of the Consumer.
28.	<b>Tariff</b>	<ol style="list-style-type: none"> <li>1. Not applicable for self consumption.</li> <li>2. Any surplus solar energy not consumed by consumer as per Energy Accounting shall be purchased <ol style="list-style-type: none"> <li>a) at APPC rate of the year in which the SPG is commissioned if the renewable attribute on solar energy is given to DisCom.</li> <li>b) at 85% of APPC rate of the year in which the SPG is commissioned if renewable attribute is not given to the DisCom.</li> </ol> </li> </ol>
29.	<b>Metering</b>	Using ABT-compliant meter, at receiving end of STU substation/ 11 kV system of DISCOM as case may be.
30.	<b>Demand Cut</b>	Exemption from demand cut up to 50% of the installed capacity.
31.	<b>Transmission Charge</b>	As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
32.	<b>Transmission Loss</b>	As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
33.	<b>Wheeling Charge</b>	<ol style="list-style-type: none"> <li>1. For the project not registered under REC – 50% of Wheeling charges applicable to normal Open-Access Consumer determined by GERC, as amended from time to time.</li> <li>2. For the project registered under REC– Wheeling charges applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.</li> </ol>
34.	<b>Wheeling Loss</b>	<ol style="list-style-type: none"> <li>1. For the project not registered under REC – 50% of Wheeling losses as applicable to normal Open-Access Consumer determined by GERC, as amended from time to time.</li> <li>2. For the project registered under REC– Wheeling losses as applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.</li> </ol>
35.	<b>Energy Accounting</b>	<p>If not registered under REC mechanism:</p> <ol style="list-style-type: none"> <li>1. Case 1: If the Consumer does not take renewable attribute of solar energy for meeting its RPO, banking of the energy shall be allowed within the Consumer's billing cycle, wherein set-off may be given during a billing cycle. However, peak charges shall be applicable for consumption during peak hours.</li> <li>2. Case 2 (a) : If the Consumer takes renewable attributes of the solar energy consumed for meeting its RPO, then energy accounting shall be based on 15 minute time block-basis.</li> </ol>

		Case 2 (b) If registered under REC mechanism: Energy accounting shall be based on 15 minute time block-basis.
36.	<b>Electricity Duty</b>	Exempted on the generated solar power.
37.	<b>Cross-Subsidy surcharge/Additional Surcharge</b>	Exempted
38.	<b>Renewable Purchase Obligation (RPO)</b>	<ol style="list-style-type: none"> <li>Case 1: If not registered under REC mechanism: If the Consumer does not use the renewable attribute of solar energy for meeting its RPO, the generated solar energy shall be used for meeting the DisCom's RPO.</li> <li>Case 2(a): Consumer who set up SPG for meeting its own RPO will get the RPO credit to the extent of the solar energy consumed by it. However, DisCom shall get RPO credit for surplus solar energy (after 15 minutes cycle adjustment) purchased by it at APPC of the year in which the SPG is commissioned.</li> </ol> <p>Case 2 (b) If registered under REC mechanism: Not applicable, as REC will be claimed.</p>
39.	<b>Renewable Energy Certificates (REC)</b>	<ol style="list-style-type: none"> <li>If not registered under REC mechanism: Not applicable.</li> <li>If registered under REC mechanism: REC shall be claimed by the Developer, i.e. Consumer.</li> </ol>
40.	<b>CDM Benefits</b>	100% retained by the Developer.
<b>Solar Projects with Sale of Power to DisComs</b>		
41.	<b>Capacity</b>	As per GERC
42.	<b>Tariff</b>	Shall be decided through competitive bidding.
43.	<b>Charges</b>	Transmission Charge, Transmission Loss, Wheeling Charge, Wheeling Loss: As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
44.	<b>Energy Accounting</b>	Energy settlement shall be on a 15-minute time block-basis.
45.	<b>Electricity Duty</b>	Exempted
44.	<b>Other Charges</b>	Cross-Subsidy & Additional Surcharge-Exempted
45.	<b>REC</b>	Not Applicable
<b>Solar Projects under REC Mechanism with Sale of Power to DISCOMs at APPC</b>		
46.	<b>Capacity</b>	Minimum project size: 250 kW, or as specified by REC Regulations.
47.	<b>Tariff</b>	APPC rate of the year in which the SPG is commissioned.
48.	<b>Charges</b>	Transmission Charge, Transmission Loss, Wheeling Charge, Wheeling Loss: As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
49.	<b>Energy Accounting</b>	Energy settlement shall be on a 15-minute time block-basis.
50.	<b>Electricity Duty</b>	Exempted
51.	<b>Other Charges</b>	Cross-Subsidy & Additional Surcharge-Not Applicable
52.	<b>RPO</b>	Not applicable as REC would be claimed by Solar Developer / SPG.
<b>Solar Projects with Sale of Power under NSM</b>		
53.	<b>Capacity</b>	<ol style="list-style-type: none"> <li>In case power is exported outside the State / Sale of power to DisComs in the State-As specified in the scheme publicized by MNRE, SECI or any other such bid processing organization from time to time.</li> <li>In case power is sold within</li> <li>the State to the consumers – Up to a maximum of 50% of the sanctioned load/ contract demand of the Consumer</li> </ol>

54.	<b>Tariff</b>	<ol style="list-style-type: none"> <li>1. For sale to outside State or DISCOMS within State-Determined through tariff based Competitive bidding.</li> <li>2. Sale to consumers within State: <ol style="list-style-type: none"> <li>(a) Mutually agreed-upon tariff between the Developer and the buyer/Consumer for the energy consumed by buyer/consumer.</li> <li>(b) Any surplus solar energy not consumed by buyer/consumer as per Energy Accounting shall be purchased by DisCom. <ul style="list-style-type: none"> <li>• at APPC rate of the year in which the SPG is commissioned if renewable attribute is given to DisCom;</li> <li>• at 85% of APPC rate of the year in which the SPG is commissioned if renewable attribute is not given to the DisCom.</li> </ul> </li> </ol> </li> </ol>
55.	<b>Charges</b>	Transmission Charge, Transmission Loss, Wheeling Charge, Wheeling Loss: As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
56.	<b>Energy Accounting</b>	<ol style="list-style-type: none"> <li>1. Sale to outside state and DisComs within State: Accounting based on 15-minute time block-basis.</li> <li>2. Sale to consumers within State:- <ol style="list-style-type: none"> <li>(a) If not registered under REC mechanism</li> <li>(b) If registered under REC mechanism</li> </ol> </li> </ol>
57.	<b>Electricity Duty</b>	Exempted
58.	<b>Cross-Subsidy Surcharge and Additional Surcharge</b>	<ol style="list-style-type: none"> <li>1. Not applicable if sale of power is outside State or to DisComs within the State.</li> <li>2. Sale to consumers within State: <ol style="list-style-type: none"> <li>(a) For the projects not registered under REC- 50% of surcharge as applicable to normal Open-Access Consumer determined by GERC, as amended from time to time.</li> <li>(b) For the projects registered under REC- as applicable to normal Open-Access Consumer determined by GERC, as amended from time to time.</li> </ol> </li> </ol>
59.	<b>RPO</b>	<ol style="list-style-type: none"> <li>1. For sale to outside State or DISCOMS within State: As specified in the scheme.</li> <li>2. Sale to consumers within State: <ol style="list-style-type: none"> <li>(a) Case 1: If not registered under REC mechanism: If the Consumer does not use the generated solar energy for meeting its RPO, the generated solar energy shall be credited towards meeting the DisCom's RPO.</li> <li>(b) Case 2(a) Surplus solar energy purchased by DisComs at APPC rate of the year in which the SPG is commissioned shall be credited towards meeting the DisCom's RPO.</li> <li>(c) Case 2 (b) If registered under REC mechanism: Not applicable, as REC will be claimed.</li> </ol> </li> </ol>
60.	<b>REC</b>	<ol style="list-style-type: none"> <li>1. For sale to outside State or DISCOMS within State: As specified in the scheme.</li> <li>2. Sale to consumers within State: <ol style="list-style-type: none"> <li>(a) If not registered under REC mechanism: Not applicable.</li> <li>(b) If registered under REC mechanism: REC shall be claimed by the Developer / SPG.</li> </ol> </li> </ol>
<b>Solar Projects with Sale of Power to Third Party under Open-Access</b>		
61.	<b>Capacity</b>	Up to a maximum of 50% of the sanctioned load/ contract demand of the Consumer.
62.	<b>Tariff</b>	<ol style="list-style-type: none"> <li>1. Mutually agreed-upon tariff between the Developer and the Consumer for the energy consumed by Consumer.</li> </ol>

		<p>2. Any surplus solar energynot consumed by consumer as per Energy Accounting shall be purchased-</p> <p>(a) at APPC of the year in which the SPG is commissioned if the renewable attribute on solar energy is given to DisComs.</p> <p>(b) at 85% of APPC of the year in which the SPG is commissioned if renewable attribute is not given to the DisCom.</p>
63.	<b>Demand Cut</b>	Exemption from demand cut up to 50% of the installed capacity in case of Third-Party sale.
64.	<b>Charges</b>	Transmission Charge, Transmission Loss, Wheeling Charge, Wheeling Loss: As applicable to normal Open- Access Consumer determined by GERC, as amended from time to time.
65.	<b>Energy Accounting</b>	<p>If not registered under REC mechanism:</p> <p>(a) Case 1: If the Consumer does not take credit of the generated solar energy towards its RPO and renewable attribute is given to the DisCom, the adjustment of energy shall be allowed within the Consumer's billing cycle, 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.</p> <p>(b) Case 2 (a): If the Consumer takes Credit of the solar energy consumed towards its RPO, then energy accounting shall be based on 15-minute time block basis.</p> <p>(c) Case-2 (b): If registered under REC mechanism: Energy accounting shall be based on 15- minute time block-basis.</p>
66.	<b>Electricity Duty</b>	Exempted
67.	<b>Cross-Subsidy Surcharge and Additional Surcharge</b>	<p>1. For the projects not registered under REC- 50% of surcharge applicable to normal Open- determined by GERC, as amended from time to time.</p> <p>2. For the projects registered under REC- determined by GERC, as amended from time to time.</p>
68.	<b>RPO</b>	<p>1. Case 1: If not registered under REC mechanism: If the Consumer does not intend to take credit of the generated solar energy towards its RPO, the generated solar energy shall be credited towards meeting the DisCom's RPO.</p> <p>2. Case 2(a): Consumer who set up SPG for meeting its own RPO will get the RPO credit to the extent of the solar energy consumed by it. However, DisCom shall get RPO credit for surplus solar energy (after 15 minutes cycle adjustment) purchased by it at APPC of the year in which the SPG is commissioned.</p> <p>3. Case 2 (b): If registered under REC mechanism: Not applicable, as REC will be claimed.</p>
69.	<b>REC</b>	<p>1. If not registered under REC mechanism: Not applicable.</p> <p>2. If registered under REC mechanism: REC shall be claimed by the Developer/ SPG.</p>
70.	<b>Land for Solar projects</b>	The Solar Project Developer shall be responsible for obtaining the land for setting up and operating solar power project.
71.	<b>Grid Connectivity</b>	<p>1. No parallel operation charges shall be applicable to the SPG.</p> <p>2. Connectivity charges to be paid to DisCom shall be INR 5,000/- per project for capacities less than 100 kW. For capacities of 100 kW and above, normal connectivity charges shall be applicable.</p>
72.	<b>Security Deposit</b>	<p>1. In case, Obligated Entities decide to procure solar power from the Solar Project Developers and sign Power Purchase Agreement, the Developer</p>

		<p>shall be required to provide Bank Guarantee@ INR 25 lakhs per MW for MW scale and proportionate amounts for kW scale projects at the time of signing of Power Purchase Agreement with Obligated Entities.</p> <p>2. The bank guarantee shall be refunded, if the developers achieve commercial operation within time period mentioned in Power Purchase Agreement.</p> <p>3. In every case, whether Obligated Entity is procuring or not procuring solar power, SPGs shall submit security deposit of INR 5 lakhs per MW to STU/DisCom for ensuring speedy and timely completion of evacuation facility by SPG failing which bank guarantee may be forfeited.</p>
<b>73.</b>	<b>Forecasting and Scheduling</b>	<p>1. The SPGs shall, for the time being, be exempted under scheduling procedure for Intra State ABT.</p> <p>2. The actual energy injected in the grid during particular time block of 15 minutes shall be post-facto considered available for drawl schedule for sale of power to DisCom/ Third Party or for giving set-off against the consumption of recipient unit in case of wheeling.</p>
<b>74.</b>	<b>Reactive power</b>	As per the GERC order
<b>75.</b>	<b>Operation and Maintenance of Dedicated Lines</b>	The Operation and Maintenance of dedicated evacuation line shall be carried out at the cost of the Solar Park/ Project/ Plant Developer as per applicable technical standards and best practices.
<b>76.</b>	<b>Restrictions</b>	Only New Plant and Machinery shall be eligible for installation under this Policy. No fossil Fuel viz. coal, gas, lignite, oil, naphtha etc. shall be allowed to be used in Solar Thermal Power Projects, beyond the ceiling allowable under MNRE guidelines.