

# Gujarat Solar Policy - 2015

## HIGHLIGHTS

<b>Nodal Agency</b>	Gujarat Energy Development Agency (GEDA), Gujarat Power Corporation Limited (GPCL) for solar parks
<b>Applicable Technologies</b>	Solar PV and canal top PV systems, agricultural solar pumps
<b>Policy Period</b>	13th August 2015 - 20th March 2020
<b>Net metering</b>	For rooftop solar PV systems on, residential, industrial and government buildings
<b>Incentive Amount</b>	No capital subsidy
<b>Eligibility Conditions</b>	Any company, body corporate/association, or individual shall be eligible. Minimum size of MW-scale plant should be 1 MW, minimum kW-scale plant should be 1 kW
<b>Solar agricultural pump-sets</b>	Schemes for subsidy and capacity of pump-sets. Energy generated will be credited to DISCOM DISCOM's RPO
<b>Tax Exemptions</b>	Electricity duty exemption for captive consumption
<b>Provision for policy review</b>	Policy may be reviewed after 2 years or as the need arises

## OTHER PROVISIONS

Promotion of wastelands, barren lands for solar power generation.



**Provisions and incentives for rooftop solar PV projects**

**For residential and government consumers :**For projects with a capacity of up to 50% consumer's sanctioned load, the existing tariff for consumers shall apply in the case of net import. In case of net export, the surplus generated and exported after adjustment of consumption at the end of billing cycle shall be purchased by the DISCOM at the APPC of the year in which the plant was commissioned.As per 2014 CEA regulations, bi-directional meters of same accuracy as the consumer's meter existing before plant installation shall be used. Banking of energy shall be allowed within one billing cycle of the consumer. Generated solar energy shall be credited to meeting DISCOM's RPO. The consumer shall retain 100% of CDM.

**For industrial, commercial and other consumers:**

For projects with a capacity of up to 50% of consumer's sanctioned load/contract demand, two options are offered for contractual arrangement:

**Type 1** - Consumers utilizing only the 'energy' attributes of the generated solar system and not utilizing the 'renewable' attribute for RPO or REC. Tariff in case of net import will be consumer's existing tariff. In case of net export, the surplus generated and exported after adjustment of consumption at the end of the billing cycle shall be purchased by the DISCOM at the APPC of the year in which the plant was commissioned. 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. The generated solar energy shall be credited towards meeting DISCOM's RPO. No REC provision.

**Type 2** - Consumers utilizing both the 'energy,' as well as the 'renewable', attributes of the generated solar energy.

Type 2 (a) - Wherein the 'renewable' attribute would be used to meet the consumer's RPO.

Type 2 (b) - Wherein the 'renewable' attribute is be used to get REC. For Type 2 consumers, the existing tariff shall apply in case of net import. In case of net export for Type 2 (a), the surplus generated and exported after adjustment of consumption in 15-minute blocks shall be purchased by the DISCOM at the APPC of the year in which the plant was commissioned. Additionally, solar energy generated and used by the consumer during a 15-minute time block shall be credited towards meeting consumer's RPO and surplus energy exported during this block shall be credited for meeting DISCOM's RPO. REC is provided.

For Type 2 (b) consumers,DISCOMs shall purchase at 85% of APPC rate of the year in which the plant was commissioned. Solar energy generated and used by the consumer during a 15-minute time block shall be considered for getting REC. The SPG may avail REC for entire net energy generation. Metering will be as per CEA regulations 2014. For Type 1 consumers, bi-directional meters of same accuracy as the consumer's meter existing before installation of plant shall be used, and for Type 2 consumers ABT-compliant meters shall be utilized.

Exemption from demand cut available up to 50% of the installed solar capacity whenever feasible.A CDM of 100% may be retained by the consumer/generator.

<p><b>Provisions and incentives for captive consumption</b></p>	<p>A capacity of up to a maximum of 50% of the consumer's contract demand. There is no tariff for self consumption. In case of surplus, the energy shall be purchased at APPC of the year of plant commissioning if renewable attribute is given to DISCOM, and at 85% APPC if renewable attribute is not given. ABT-compliant meter to be used at the receiving end of STU sub-station/11-kV system of DISCOM, or as the case maybe. Exemption from demand cut available up to 50% of the installed solar capacity. Transmission charges and losses will be the same as applicable to normal open access consumers, determined by GERC, and amended from time to time.</p> <p>For projects not registered under REC, 50% of wheeling charges applicable to normal open access consumers. For projects registered under REC, wheeling charges will be applicable to normal open access consumers determined by GERC.</p> <p>Projects not registered under REC - For Type 1 consumers, banking of energy shall be allowed within one billing cycle of the consumer, and 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. For Type 2 (a) and (b) consumers the energy generated shall be adjusted for consumption in 15-minute blocks.</p> <p>The solar energy generated by Type 1 consumers shall be credited towards meeting the DISCOM's RPO. Solar energy generated and consumed by Type 2 (a) consumers during a 15-minute time block shall be credited towards meeting consumer's RPO. Surplus energy exported during this block shall be credited for meeting DISCOM's RPO. Solar energy generated and consumed by Type 2 (b) consumers during a 15-minute time block shall be considered for getting REC. The SPG may avail REC for entire net energy generation.</p> <p>A CDM of 100% may be retained by the consumer/ generator.</p>
<p><b>Projects selling power to DISCOMs</b></p>	<p>DISCOMs may purchase power generated from solar PV or thermal plants at a rate determined through competitive bidding.</p> <p>The capacity will be based on year-on-year RPO targets set by GERC. Tariffs will be decided through competitive bidding. ABT-compliant meters shall be used at the receiving end of STU sub-station/11-kV system of DISCOM. Transmission charges and losses, and wheeling charges and losses will be the same as applicable to normal open access consumers, as determined and amended by GERC from time to time. Energy accounting shall be on a 15-minute time block basis. The generated solar energy shall be credited towards meeting DISCOM's RPO. A CDM of 100% may be retained by the consumer/generator.</p>

<b>Projects under REC with sale to DISCOMs</b>	DISCOMProjects registered under REC mechanism, wherein the energy generated may be purchased by DISCOM at APPC rate of the year of commissioning of plant.The capacity is determined by DISCOMs based on their energy requirement from time-to-time. The minimum project size is 250 kW. Tariff as per APPC rate of the year of plant’s commissioning. ABT-compliant meters shall be used at the receiving end of STU sub-station/1-kV system of DISCOM. Transmission charges and losses, and wheeling charges and losses will be the same as applicable to normal open access consumers as determined and amended by GERC from time to time. Energy accounting shall be on a 15-minute time block basis. REC shall be claimed by the solar developer. CDM will be as per GERC order.
<b>Links</b>	<a href="https://geda.gujarat.gov.in/">https://geda.gujarat.gov.in/</a>
<b>References</b>	<a href="https://geda.gujarat.gov.in/policy_files/gujarat_solar_power_policy_2015.pdf">https://geda.gujarat.gov.in/policy_files/gujarat_solar_power_policy_2015.pdf</a>