

# Gujarat Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017

## HIGHLIGHTS

<b>Eligible Entities</b>	<ul style="list-style-type: none"> <li>• All wind and solar energy generators with individual or combined capacity of 1 MW and above connected to the state grid independently or through pooling station.</li> <li>• All wind and solar generators of any capacity connected to the state grid through pooling stations with total capacity of 1 MW and above.</li> <li>• Deviation settlement for the regional entities will be according to the Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2014, as amended from time to time.</li> </ul>
<b>Date of effective</b>	<ul style="list-style-type: none"> <li>• Date of notification</li> <li>• Deviation charges: 1<sup>st</sup> August 2019</li> </ul>
<b>Forecasting &amp; Scheduling Code</b>	<ul style="list-style-type: none"> <li>• Qualified Coordinating Agency (QCA) shall provide Day-ahead and Week ahead by 9 AM everyday schedule to the SLDC.</li> <li>• Day-ahead schedule for solar- At intervals of 15 minutes for the next day, starting from 05:30 hrs to 19:00 hrs of that day. Maximum 9 revision on that day allowed</li> <li>• Day-ahead schedule for wind- At intervals of 15 minutes for the next day, starting from 00:00 hrs of that day. Maximum 16 revision on that day allowed</li> <li>• One revision for each of one-and-a-half-hour time block subject to respective revisions on a day.</li> <li>• Revision can be done by giving notice; effective from the 4<sup>th</sup> time block -the 1<sup>st</sup> being when notice was given.</li> </ul>
<b>Role of QCA and Implementation</b>	<ul style="list-style-type: none"> <li>• One QCA for each pooling sub-station or generating station registered with SLDC.</li> <li>• Minimum 1 year experience in power Forecasting and Scheduling.</li> <li>• QCA shall be the single point of contact with respect to:               <ul style="list-style-type: none"> <li>- Meter reading, data collection and its communication.</li> <li>- Provide schedule on behalf of generators to transmission licensee, State transmission licensee, distribution licensee networks.</li> <li>- Coordination between distribution licensee, SLDC and other agencies.</li> <li>- Commercial settlements between generators and their counterparties.</li> <li>- All other ancillary or incidental matters.</li> </ul> </li> </ul>

## OTHER PROVISIONS

<b>Deviation charges for sale of power within the state</b>	Under or over injection (for Wind plants commissioned before the date of notification).	
	<b>Absolute Error in the 15-min time block</b>	<b>Deviation Charges payable to State DSM Pool</b>
	≤12%	None.
	>12% but ≤ 20%	At Rs.0.25 per unit.
	>20% but ≤28%	At Rs.0.25 per unit for the shortfall or excess beyond 15% and up to 25% + Rs.0.50 per unit for balance energy beyond 20% and up to 28%.
>28%	At Rs.0.25 per unit for the shortfall or excess beyond 12% and up to 20% + Rs.0.50 per unit for balance energy beyond 20% and up to 28% + Rs.0.75 per unit for balance energy beyond 28%.	
<b>Deviation charges for sale of power within the state</b>	Under or over injection (for Solar plants commissioned before the date of notification).	
	<b>Absolute Error in the 15-min time block</b>	<b>Deviation Charges payable to State DSM Pool</b>
	≤7%	None.
	>7% but ≤ 15%	At Rs.0.25 per unit.
	>15% but ≤23%	At Rs.0.25 per unit for the shortfall or excess beyond 7% and up to 15% + Rs.0.50 per unit for balance energy beyond 15% and up to 23%.
>23%	At Rs.0.25 per unit for the shortfall or excess beyond 7% and up to 15% + Rs.0.50 per unit for balance energy beyond 15% and up to 23% + Rs.0.75 per unit for balance energy beyond 23%.	
<b>Payment Mechanism</b>	<ul style="list-style-type: none"> <li>Commercial settlement on account of deviations respective to pooling sub-stations to be settled on a monthly basis.</li> </ul>	
<b>Metering</b>	<ul style="list-style-type: none"> <li>Special Energy Meter to record parameters in every 15 minute time block.</li> <li>Data telemetry shall be adopted at the turbine/inverter or plant level as considered appropriate by SLDC.</li> </ul>	
<b>Link</b>	<a href="http://www.gercin.org/regulation_list.aspx">http://www.gercin.org/regulation_list.aspx</a>	

**Reference**

<http://www.gercin.org/uploaded/document/99ba290d-5088-40d7-85ef-9f3b8694489c.pdf>