

# MEGHALAYA STATE ELECTRICITY REGULATORY COMMISSION

## (Meghalaya State Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2018, Dated: 31.10.2018

Sl. No.	Description	Summary
1.	<b>Control Period</b>	N.A.
2.	<b>Applicability</b>	<ol style="list-style-type: none"> <li>1. These Regulations shall apply to all Wind and Solar Energy Generators in Meghalaya connected to the Intra-State Transmission System, including those connected through Pooling Sub-Stations, and using the power generated for self-consumption or sale within or outside the State.</li> <li>2. The combined installed capacity of the Solar or Wind Generators connected to a particular Pooling Sub-Station, or that of an individual Generator connected to some other Sub-Station, shall not be less than 1 MW.</li> </ol>
3.	<b>Deviation Charges</b>	Deviation Charges and penalty, shall come into force six month from the date of issue.
4.	<b>Forecasting and Scheduling Code</b>	<ol style="list-style-type: none"> <li>1. The QCA (Qualified Coordinating Agency) shall aggregate the Schedules of all Generators connected to a Pooling Sub-Station and communicate to the SLDC. QCA can undertake forecasting and scheduling for multiple pooling substations, however scheduling, energy accounting and deviation monitoring for each pooling substation of wind or solar power generation shall be undertaken separately.</li> <li>2. No Wind or Solar energy generation shall be considered for despatch by the SLDC, if it is not scheduled by the QCA on behalf of the Generators in accordance with the provisions of these Regulations.</li> <li>3. The Day-Ahead Schedule shall comprise the Wind or Solar energy generation to be scheduled in each 15-minute time block starting from 00:00 hours of the following day, and for all 96 time blocks of that day; and the Week-Ahead Schedule shall contain the same information for the next seven days.</li> <li>4. The QCA may revise the Schedule of Generators connected to the Intra-State Transmission Network (excluding collective transactions) by giving advance notice to the SLDC.</li> <li>5. The commercial impact of deviations from Schedules based on the forecasts shall be borne by the Generators through their QCAs.</li> </ol>
5.	<b>Treatment for Gaming</b>	<ol style="list-style-type: none"> <li>1. The QCA shall be liable to pay a penalty of three times the Deviation Charges that would have been applicable had the Available Capacity been correctly declared.</li> <li>2. The amount of penalty shall be payable by the QCA to the State Deviation Settlement Mechanism (DSM) Pool, through the SLDC.</li> </ol>
6.	<b>Qualified Coordinating Agency (QCA)</b>	<ol style="list-style-type: none"> <li>1. The Generators at a Pooling Sub-Station may appoint one amongst themselves or any other entity as a QCA</li> <li>2. The QCA shall be appointed with the approval of at least 51% of the Generators at a Pooling Sub-Station, in terms of their combined installed</li> </ol>

		capacity and on appointment, the QCA shall perform all functions assigned in these Regulations for all generators connected to the Pooling sub-station.															
7.	<b>Deviation Settlement for Intra-State Transactions</b>	1. Solar or Wind Energy Generator who deviates from its given Schedule shall be liable to pay a Deviation Charge under the provisions of these Regulations. 2. Deviation Charge for under- or over-injection, for sale or self-consumption of power within Meghalaya:															
		<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Absolute Error in %age terms in 15-minute time block</th> <th>Deviation Charge payable to Pool Account for Wind/Solar Generation</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>&lt; = 15%</td> <td>None</td> </tr> <tr> <td>2.</td> <td>&gt;15% but &lt;=25%</td> <td>At Rs. 0.50 per unit</td> </tr> <tr> <td>3.</td> <td>&gt;25% but &lt;=35%</td> <td>At Rs. 0.50 per unit for the shortfall or excess beyond 15% and upto 25% + Rs. 1.00 per unit for the balance energy beyond 25% and upto 35%</td> </tr> <tr> <td>4.</td> <td>&gt;35%</td> <td>At Rs. 0.50 per unit for the shortfall or excess beyond 15% and upto 25% + Rs. 1.00 per unit for the shortfall or excess beyond 25% and up to 35% + Rs. 1.50 per unit for the balance energy beyond 35%</td> </tr> </tbody> </table>	Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge payable to Pool Account for Wind/Solar Generation	1.	< = 15%	None	2.	>15% but <=25%	At Rs. 0.50 per unit	3.	>25% but <=35%	At Rs. 0.50 per unit for the shortfall or excess beyond 15% and upto 25% + Rs. 1.00 per unit for the balance energy beyond 25% and upto 35%	4.	>35%	At Rs. 0.50 per unit for the shortfall or excess beyond 15% and upto 25% + Rs. 1.00 per unit for the shortfall or excess beyond 25% and up to 35% + Rs. 1.50 per unit for the balance energy beyond 35%
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<ul style="list-style-type: none"> <li>The QCA shall undertake the settlement of the Deviation Charges with the SLDC on behalf of the concerned Generators.</li> <li>The Deviation Charges for under- or over-injection by Generators connected to the Intra-State Transmission Network and selling or consuming power outside Meghalaya shall be governed by the Regulations of the Central Electricity Regulatory Commission (CERC) governing the Inter-State Deviation Settlement Mechanism and related matters; and the accounting for this purpose shall be done by the SLDC limited to the deviations in the Intra-State Transmission Network resulting from such under- or over-injection.</li> </ul>																	
8.	<b>Deviation Settlement for Inter-State Transactions</b>	1. Inter-State transactions at a Pooling Sub-Station shall be permitted only if the concerned Generator is connected through a separate feeder. 2. The Generator shall pay the Deviation Charges applicable within Meghalaya in case of deviations in the State DSM Pool Account, the consequences of such deviation at the Inter-State level being governed by the CERC Regulations governing the Deviation Settlement Mechanism and related matters. 3. Deviations in respect of Inter-State and Intra-State transactions shall be accounted for separately at each Pooling Sub-Station.															
9.	<b>Metering</b>	Every Pooling Station and stand-alone Generator with installed capacity of 5 MW or above shall have a Special Energy Meter (SEM) capable of recording the energy in 15-minute time blocks as specified in the CEA Regulations governing metering.															

10.	<b>Energy Accounting</b>	The QCA shall furnish weekly meter readings to the SLDC by 00.00 hours on the Thursday of the previous week, in addition to the data provided to the Supervisory Data and Control Acquisition (SCADA) Centre, for the purpose of energy accounting under these Regulations.
11.	<b>Settlement of Deviation Charges</b>	The SLDC shall compute the deviations from the Schedule, determine the Deviation Charges payable and bill the QCA accordingly.
12.	<b>Payment Mechanism for Deviation Settlement</b>	<ol style="list-style-type: none"> <li>1. The QCA shall pay the amount of Deviation Charges to the SLDC, and collect it from the concerned Generators in proportion to their actual generation.</li> <li>2. The Deviation Charges shall be paid within ten days from the issue of the accounts and billing by the SLDC, failing which a late payment surcharge amounting to 1.25% per month shall be levied for the period of delay.</li> <li>3. Notwithstanding levy of interest of this regulation, for delay in payment of deviation charges, in case of failure to pay the deviation charges into the State Deviation Pool (wind and solar), the SLDC shall be entitled to encash the LC of the concerned constituent to the extent of default and the concerned constituent shall recoup the LC amount within 3 days.</li> </ol>
13.	<b>Intimation of Curtailment</b>	Any curtailment imposed on the energy injection for reliable and secure Grid operation in emergency situations shall be communicated by the SLDC to the QCA through an IT-enabled communication, and no Deviation Charges shall be payable for any consequent deviations if the SLDC fails to do so.
14.	<b>Energy Accounting</b>	The SLDC shall furnish the processed data on a weekly basis by Thursday mid-night for the seven-day period ending on the previous Sunday mid-night to the concerned QCA in the prescribed format, for the preparation of weekly Energy Accounts of energy from the Pooling Sub-Station or the stand-alone Generator, as the case may be.
15.	<b>De-Pooling of Deviation Charges</b>	The QCA shall de-pool the energy deviations and the Deviation Charges against each Generator in proportion to its actual generation.