

SIKKIM STATE ELECTRICITY REGULATORY COMMISSION

(Forecasting, Scheduling, Deviation Settlement and Related Matters of Wind and Solar Generation Sources) Regulations, 2018, Dated: 19-04-2018

Sl. No.	Description	Summary															
1.	Control period	N.A.															
2.	Applicability	These regulations shall apply to all wind and solar generators of installed capacity of 1 MW and above whether they are supplying power to the Electricity Supply Companies/Distribution Companies or to third party consumers through open access or for captive consumption through open access within or outside the State, including those connected via pooling stations.															
2.	Forecasting and Scheduling	<ol style="list-style-type: none"> 1. Forecasting shall be done by wind and solar generators connected to the State grid, or by QCAs (Qualified Coordinating Agencies) on their behalf. The forecast by the QCA or wind and solar generator, as the case may be, shall be generator centric. The QCA shall coordinate the aggregation of schedules of all generators represented by them connected to a pooling station and communicate it to the SLDC. 2. The QCA or the wind and solar generator shall submit a day-ahead and week-ahead schedule for each pooling station or each generating station, as the case may be. Day-ahead schedule shall contain wind or solar energy generation schedule at intervals of 15 minutes (time-block) for the next day, starting from 00:00 hours of the day, and prepared for all 96 time-blocks. Week-ahead schedule shall contain the same information for the next seven days. 3. Any commercial impact on account of deviation from schedule based on the forecast shall be borne by the wind and solar generator, either directly or transacted via the representing QCA. 															
3.	Commercial and Deviation Settlement	<ol style="list-style-type: none"> 1. In the event of actual generation of a generating station or a pooling station, as the case may be, being less or more than the scheduled generation, the deviation charges for shortfall or excess generation shall be payable by the wind and solar generator or the QCA, as the case may be, to the State DSM Pool, as given in Table: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr.No</th> <th style="text-align: center;">Absolute Error in the 15- minute time block</th> <th style="text-align: center;">Deviation Charges payable to State DSM Pool</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">≤15%</td> <td style="text-align: center;">None</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">>15% but ≤ 25%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess energy for absolute error beyond 15% and upto 25%.</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">>25% but ≤35%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess energy beyond 15% and upto 25% + Rs. 1.0 per unit for balance energy beyond 25% and upto 35% .</td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="text-align: center;">>35%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess energy beyond 15% and upto 25% + Rs. 1.0 per unit for shortfall or excess energy beyond 25% and upto 35% + Rs. 1.50 per unit for balance energy beyond 35%.</td> </tr> </tbody> </table>	Sr.No	Absolute Error in the 15- minute time block	Deviation Charges payable to State DSM Pool	1.	≤15%	None	2.	>15% but ≤ 25%	At Rs. 0.50 per unit for the shortfall or excess energy for absolute error beyond 15% and upto 25%.	3.	>25% but ≤35%	At Rs. 0.50 per unit for the shortfall or excess energy beyond 15% and upto 25% + Rs. 1.0 per unit for balance energy beyond 25% and upto 35% .	4.	>35%	At Rs. 0.50 per unit for the shortfall or excess energy beyond 15% and upto 25% + Rs. 1.0 per unit for shortfall or excess energy beyond 25% and upto 35% + Rs. 1.50 per unit for balance energy beyond 35%.
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		<p>2. The QCA shall also de-pool the energy deviations as well as deviation charges to each generator using one of the following options:</p> <ul style="list-style-type: none">(a) In proportion to actual generated units for each time-block for each generator or(b) In proportion to available capacity of each generator
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