

UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

(Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017 (Draft)

Sl. No.	Description	Summary
1.	Control Period	N.A.
2.	Applicability	<ol style="list-style-type: none"> 1. For Wind/Solar power generators supplying power to the Discoms, or to the third party consumers through Open Access (OA) or for captive consumption through OA within or outside the State: <ol style="list-style-type: none"> (a) Wind/Solar power generators having individual or combined capacity of 5 MW and above whether connected to the State Grid independently or through pooling stations (or Solar park in case of Solar); (b) Wind/Solar power generators of any capacity connected to the State Grid through pooling station (or Solar park in case of Solar) with total capacity of 5MW and above. 2. These Regulations may be applied to RE generators with new technologies as considered appropriate by the Commission over the time.
3.	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 Agency) on their behalf. 2. The existing wind and solar generators or QCA on their behalf shall establish the forecasting tools and week-ahead, day-ahead forecasting and scheduling to be furnished to SLDC within three months from the date of coming into effect of these Regulations. 3. The QCA or the wind and solar generator shall submit a day-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. 4. The schedule of wind and solar generators connected to the State grid (excluding collective transactions) may be revised by giving advance notice to the SLDC. Such revisions shall be effective from 4th time block, the first being the time-block in which notice was given. There may be one revision for each time slot of one and half hours starting from 00:00 hours of a particular day subject to a maximum of 16 revisions during the day. 5. 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.
4.	Metering, Telemetry and Data Communication	<ol style="list-style-type: none"> 1. Wind and Solar generators covered under these Regulations shall be governed by interface metering with a provision for recording and storing all the load survey and billing parameters for every 15-minute time block. Monthly meter readings shall be forwarded to the SLDC in addition to data acquisition through SCADA for energy accounting. 2. Data telemetry shall be adopted at the turbine/inverter or plant level as considered appropriate by SLDC. 3. In case of failure of the consumers comply with the above timelines, penalty of Rs. 25000/- per day will be levied.

5.	Commercial and Deviation Settlement	<p>1. The wind or solar generators connected to the State grid and selling power within the State shall be paid by the buyer as per actual energy supplied irrespective of quantum of energy scheduled by it. However, the wind and solar generators connected to the State Grid and selling power outside the State shall be paid by the buyer as per scheduled generation.</p> <p>2. 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 generation scheduled, 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 Pool, as prescribed in Table below:</p>		
		Sr. No.	Absolute Error in the 15-minute time block	Deviation charges payable to the State DSM pool
		1.	<=15%	None
		2.	>15% but <=25%	At Rs. 0.50 per unit for the shortfall or excess of 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%.
<p>The QCA shall also de-pool the energy deviations as well as deviation charges to each generator on the basis of the deviation of each generator or any other methodology /criteria mutually agreed between QCA and generators.</p>				