

ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

(Forecasting, Scheduling and Deviation Settlement of Solar and Wind Generation) Regulation, 2017, Dated: 19-08-2017

Sl. No.	Description	Summary															
1.	Control Period	N.A.															
2.	Applicability	This Regulation is applicable to all wind and solar generators connected to the Grid, including those connected through pooling stations and supplying power to the DISCOMs, or to third parties through open access or for captive consumption through open access, and selling power within or outside the State.															
3.	Forecasting and Scheduling	<ol style="list-style-type: none"> 1. Forecasting shall be done by every wind and solar generator connected to the Grid, either by itself or by a QCA (Qualified Coordinating Agencies) on its behalf. 2. Every wind and solar generator or a QCA shall submit a day-ahead and week-ahead schedule for each generating station or each pooling station, as the case may be. Day-ahead schedule shall contain wind or solar energy generation schedule at intervals of fifteen (15) minutes time-block for the next day, starting from 00:00 hours of the day, and prepared for all ninety six (96) time-blocks. Week-ahead schedule shall contain the same information for the next seven days. 3. The Schedule of wind and solar generators connected to the Grid, excluding collective transactions, may be revised by giving advance notice to the SLDC. 4. Any commercial impact on account of deviation from schedule based on the forecast shall be borne by the wind or solar generator either by itself or through the representing QCA. 5. A wind or solar generating station commencing commercial operation on or after the first (1st) day of January, 2018 shall not be allowed to be commissioned unless it has established the Forecasting Tools either by itself or through a QCA. 															
4.	Energy Account and Deviation Settlement	<p>Deviation Charges in case of under or over-injection, for sale or supply of power within the State:</p> <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 the 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 of 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%</td> </tr> </tbody> </table>	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%
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		<ol style="list-style-type: none"> 1. QCA shall separately settle Deviation Charges with Wind or Solar Generators for inter-State and intra-State transactions 2. QCA shall also de-pool energy deviations as well as deviation charges to each of the generators connected to the pool. 		
5.	Commencement of Regulation	<p>These Regulation shall come into force with effect from the twenty first (21st) day of August, 2017.</p> <p>Provided that Forecasting, Scheduling and Deviation settlement in accordance with this Regulation shall commence from the first (1st) day of January, 2018, while the levy and collection of deviation charges shall commence from the first (1st) day of July, 2018.</p>		