

TRIPURA ELECTRICITY REGULATORY COMMISSION

(Forecasting, Scheduling and Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulation 2016, Dated: 20-06-2016

| Sl. No. | Description | Summary | | | | | | | | | | | | | | | |
|---------|--|--|---------|--|---|----|-------|------|----|----------------|---|----|----------------|--|----|------|--|
| 1. | Control period | N.A. | | | | | | | | | | | | | | | |
| 2. | Applicability | All wind and solar generators connected to the state grid, including those connected via pooling Stations, and selling power within or outside the state. | | | | | | | | | | | | | | | |
| 3. | Forecasting and Scheduling | <ol style="list-style-type: none"> 1. Forecasting shall be done by wind and solar generators below 1 MW capacity connected to the State grid, through QCAs on their behalf. 2. Forecasting shall be done by wind and solar generators above 1 MW capacity connected to the State grid, through QCAs on their behalf. 3. The forecast by the QCAs or wind and solar generator, as the case may be, shall be generator centric. 4. 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. The week-ahead schedule shall contain the same information for the next seven days. 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. | Commercial and Deviation settlement | <ol style="list-style-type: none"> 1. The wind and solar generators connected to the State grid and selling power within the state shall be paid by the buyer as per the actual generation. 2. The wind and solar generators connected to the State grid and selling power within the state shall be paid by the buyer as per the scheduled generation. 3. The QCA shall undertake all commercial settlement on behalf of the generator(s) connected to the respective pooling station(s). <p>Deviation Charges in case of under or over-injection, for sale 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;"><=10%</td> <td style="text-align: center;">None</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">>10% but <=20%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess of energy for absolute error beyond 10% and upto 20%</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">>20% but <=30%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for balance energy beyond 20% and upto 30%</td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="text-align: center;">>30%</td> <td style="text-align: center;">At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for shortfall or excess energy beyond 20% and upto 30% + Rs. 1.50 per unit for balance energy beyond 30%.</td> </tr> </tbody> </table> | Sr. No. | Absolute Error in the 15-minute time block | Deviation charges payable to the State DSM pool | 1. | <=10% | None | 2. | >10% but <=20% | At Rs. 0.50 per unit for the shortfall or excess of energy for absolute error beyond 10% and upto 20% | 3. | >20% but <=30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for balance energy beyond 20% and upto 30% | 4. | >30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for shortfall or excess energy beyond 20% and upto 30% + Rs. 1.50 per unit for balance energy beyond 30%. |
| Sr. No. | Absolute Error in the 15-minute time block | Deviation charges payable to the State DSM pool | | | | | | | | | | | | | | | |
| 1. | <=10% | None | | | | | | | | | | | | | | | |
| 2. | >10% but <=20% | At Rs. 0.50 per unit for the shortfall or excess of energy for absolute error beyond 10% and upto 20% | | | | | | | | | | | | | | | |
| 3. | >20% but <=30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for balance energy beyond 20% and upto 30% | | | | | | | | | | | | | | | |
| 4. | >30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and upto 20% + Rs. 1.0 per unit for shortfall or excess energy beyond 20% and upto 30% + Rs. 1.50 per unit for balance energy beyond 30%. | | | | | | | | | | | | | | | |

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| 5. | Metering | Interface Metering for intra-state entities shall be undertaken on an urgent basis. Every entity must be metered with a Special Energy Meter (SEM). |
| 6. | Energy Accounting | Every intra-State grid connected entity shall be metered with a Special Energy Meter (SEM), and the energy accounting for each such entity shall be done in the following manner: (a) Distribution Companies (Drawal) (b) Open Access Consumers (Drawal) (c) Conventional Generators (Generation) (d) Renewable Energy Generators at Pooling Station Level (Generation) |