

ASSAM ELECTRICITY REGULATORY COMMISSION

(Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2018, Dated: 06.09.2018

| Sl. No. | Description | Summary |
|---------|--|--|
| 1. | Control Period | N.A. |
| 2. | Deviation Charges | Deviation Charges and penalty, shall come into force six month from the date of issue. |
| 3. | Applicability | These Regulations shall apply to all wind and solar energy generators in Assam connected to the Intra-State Transmission /Distribution System, including those connected through pooling sub-stations, and using the power generated for self-consumption or selling power within or outside the State of Assam. |
| 4. | Forecasting and Scheduling | <ol style="list-style-type: none"> 1. The QCA (Qualified Co-Ordinating Agency) shall be treated as a State Entity. 2. The QCA shall provide real-time data relating to the power system output, parameters and weather-related data, as may be required, to the SLDC. 3. The QCA shall aggregate the Schedules of all Generators connected to a Pooling Sub-Station and communicate to the SLDC. 4. 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. 5. The QCA shall provide to the SLDC a day-ahead and a week- ahead schedule for each pooling sub-station or each stand-alone generating station, as the case may be, to enable it to assess the availability of energy and the margin available in the State Grid. 6. The Day-ahead schedule shall contain wind or solar energy generation to be scheduled in each 15-minutes 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. |
| 5. | Treatment to the Gaming | <ol style="list-style-type: none"> 1. Any intentional mis-declaration of Available Capacity to the SLDC for its own undue commercial gain or that of a Generator shall be considered as gaming and shall constitute a breach of these Regulations. 2. 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. 3. The amount of penalty shall be payable by the QCA to the State Deviation Settlement Pool, through the SLDC. |
| 6. | Commercial and Deviation Settlement | <ol style="list-style-type: none"> 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 generation. 2. The wind or solar generators connected to the State grid and selling power outside the State shall be paid by the buyer as per scheduled generation. 3. 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 below: |

| | | Sr. No. | Absolute Error in %age terms in 15-minute time block | Deviation Charge payable to Pool Account for Wind/Solar Generation |
|------------|---|---|---|--|
| | | 1. | < = 10% | None |
| | | 2. | >10% but <=20% | At Rs. 0.50 per unit for the shortfall or excess energy for absolute error beyond 10% and up to 20% |
| | | 3. | >20% but <=30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 10% and up to 20%+ Rs. 1.00 per unit for the balance energy beyond 20% and upto 30% |
| | | 4. | >30% | At Rs. 0.50 per unit for the shortfall or excess energy beyond 15% and upto 25% + Rs. 1.00 per unit for the shortfall or excess beyond 20% and up to 30% + Rs. 1.50 per unit for the balance energy beyond 35% |
| 7. | Metering | 1. | Every Pooling Station and stand-alone Generator 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. | |
| | | 2. | 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. | |
| 8. | Energy Accounting | The energy accounting shall be undertaken on the basis of the data recorded by the SEM. | | |
| 9. | Payment Mechanism for Deviation Settlement, and Payment Security | 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: Provided that the onus of ensuring the payment of the Deviation Charges to the SLDC by the QCA shall remain that of the concerned Generators. | | |
| 10. | Intimation of Curtailment | 1. | Any curtailment imposed on the energy injection for reliable and secure Grid operation in emergent 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. | |
| | | 2. | In case of any curtailment planned and communicated by the SLDC due to line maintenance or other reasons in certain time blocks of a day, the QCA shall be responsible for curtailing the generation at site and amending the Schedule accordingly, failing which the SLDC shall revise the Schedule as required. | |
| 11. | Energy Accounting | All accounts relating to deviations shall be prepared by the QCA on a weekly basis based on inputs from the SLDC, and be accessible to the SLDC through an IT-enabled system and software. | | |
| 12. | De-Pooling of Deviation Charges | The QCA shall de-pool the energy deviations and the Deviation Charges against each Generator in proportion to its actual generation. | | |