

MAHARASHTRA ELECTRICITY REGULATORY COMMISSION

NOTIFICATION (DRAFT)

ELECTRICITY ACT, 2003.

No. MERC/Admin/Regulation/____.- In exercise of the powers conferred under sub-section (3) of Section 32, sub-section (4) of Section 33, Clauses (b), (e) and (h) of sub-section (1) of Section 86, and Clauses (g) and (zp) of sub-section (2) of Section 181 of the Electricity Act, 2003 (36 of 2003) and all other powers hereunto enabling, and after previous publication, the Maharashtra Electricity Regulatory Commission makes the following Regulations to amend the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2018 (**‘the Principal Regulations’**), namely:

1 Preamble

The Maharashtra Electricity Regulatory Commission (“MERC” or “Commission”) notified the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2018 (“MERC F&S Regulations”) on July 20, 2018. The provisions of the MERC F&S Regulations aimed to introduce scheduling discipline and mandated Renewable Energy Generators (Solar and Wind) to provide advance scheduling to facilitate real time operation of grid by the Maharashtra State Load Despatch Centre. Having gained experience in implementation of forecasting and scheduling for Solar and Wind Generators, the Commission in exercise of the powers conferred under Regulation 4.2 of the Principal Regulations has reviewed the aspects related to formulation of Absolute Error, Accuracy Band and Deviation Charges as stipulated under Part C of the Principal Regulations and other associated parameters. Based on inputs shared by the Deviation Settlement Mechanism Working Group and Maharashtra State Power Committee (**MSPC**), regulations framed by the Central Electricity Regulatory Commission and aspects specific in the context of Maharashtra for forecasting & scheduling for Solar and Wind Generators, the Commission has introduced the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) (First Amendment) Regulations, 2023.

2 Short title and commencement

- 2.1. These Regulations may be called the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) (First Amendment) Regulations, 2023.
- 2.2. These Regulations shall come into force from the date of its publication in the Official Gazette.

3 Amendment to Regulation 1 of the Principal Regulations:-

3.1 Second proviso is introduced after the first proviso to Regulation 1.2 of the Principal Regulations as under:-

“Provided further that proviso to Regulation 7.1, Regulation 7.2B, proviso to Regulation 13.1, proviso to Regulation 16 and the related provisions regarding scheduled based settlement shall come into force from the date to be notified separately, which shall not be later than fifteen(15) months from the date of notification of the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) (First Amendment) Regulations, 2023.”

3.2 Third proviso is introduced after the second proviso Regulation 1.2 of the Principal Regulations as under:-

“Provided further that until notification of such date as referred hereinabove under second proviso to Regulation 1.2, the arrangement referred under proviso to Regulation 7.1, Regulation 7.2B, proviso to Regulation 13.1, proviso to Regulation 16 and the related provisions regarding scheduled based settlement, shall be implemented in parallel for Pooling Sub-station(s) in Trial Mode starting from the date immediately after the lapse of three (3) months from the date of notification of the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) (First Amendment) Regulations, 2023. The Trial Mode may be operated for a period of twelve months or any such period as may be decided by the Commission.”

4 Amendment to Regulation 2 of the Principal Regulations:-

4.1 Regulation 2.1(d)(a) is introduced after Regulation 2.1(d) of the Principal Regulations:-

“2.1(d)(a) “Area Clearing Price” (or “ACP”) means the price of a time block electricity contract established on the Power Exchange after considering all valid purchase and sale bids in particular area(s) after market splitting, i.e. dividing the market across constrained transmission corridor(s)”

4.2 Regulation 2.1(f)(a) is introduced after Regulation 2.1(f) of the Principal Regulations:-

“2.1(f)(a) “Contract rate” means the tariff for sale or purchase of power, as determined under Section 62 or adopted under Section 63 or approved under Section 86(1)(b) of the Act by the Commission or the price as discovered in the Power Exchange, as the case may be; in case of multiple power purchase/sale agreements, the Contract rate shall be the weighted average of rates in such multiple power purchase/sale agreements”

4.3 Regulation 2.1(i)(a) is introduced after Regulation 2.1(i) of the Principal Regulations:-

“2.1(i)(a) “Gaming” in relation to these Regulations, shall mean an intentional mis-declaration of Available Capacity by any QCA in order to make an undue commercial gain through Charges for Deviations.”

4.4 Regulation 2.1(u) of the Principal Regulations shall be substituted as under:-

“2.1(u) “State Deviation Pool Account” means the State Account for receipts and payments on account of deviations by Procurers and Sellers including Wind or Solar Energy Generators

4.5 Regulation 2.1(x)(a) is introduced after Regulation 2.1(x) of the Principal Regulations:-

“2.1(x)(a) “Trial Mode” means the operation of provisions related to the forecasting, scheduling and a mechanism for the settlement of deviations by Generators and all other aspects specified in these Regulations for smooth and successful implementation of mechanism specified in the Regulations, wherein settlement by the Procurers is on the basis of their Scheduled Generation.”

5 Amendment to Regulation 4 of the Principal Regulations in PART A – GENERAL:-

5.1 Regulation 4.2 of the Principal Regulations shall be substituted as under:-

“4.2 The Commission may review these Regulations, including formulation of Absolute Error, Absolute Error Bands and Deviation Charge thereof as stipulated under Regulation 7.2A, 7.2B and Annexure, every year, if it considers necessary, to further improve the Forecasting and Absolute Error bands based on changes in electricity sector.

6 Amendment to Regulation 5 of the Principal Regulations in PART B – TECHNICAL ARRANGEMENT: FORECASTING AND SCHEDULING CODE:-

6.1 Regulation 5.6 of the Principal Regulations shall be substituted as under:-

“5.6 The QCA shall be appointed by the Generators for the purposes specified in these Regulations, including but not limited to the following:

- (a) Meter reading and data collection and its communication, and co-ordination with the Distribution Licensees, the SLDC and other agencies;
- (b) De-pooling of amounts payable on behalf of the constituent Generator of the Pooling Sub- Station from the State **Deviation** Pool Account and settling them with each Generator;

- (c) Settlement of the Deviation Charges specified in these Regulations with the SLDC on behalf of the Generators.”

6.2 Regulation 5.11 of the Principal Regulations shall be substituted as under:-

“5.11 The QCA shall furnish to the SLDC the **individual as well as** aggregated forecasts relating to its Wind and Solar Energy Generators connected to the intra-State Transmission network, with details of their Availability. **SLDC shall modify/develop and maintain a dynamic web-based application for the purpose of day-ahead scheduling, revision of schedules and display of real-time information.**”

6.3 Regulation 5.13 of the Principal Regulations shall be substituted as under:-

“5.13 The QCA shall **provide individual as well as** aggregated Schedules of all Generators connected to a Pooling Sub-Station and communicate them to the SLDC **on the dynamic web-based application**. QCA can undertake forecasting and scheduling for multiple pooling substations, however scheduling, energy accounting and deviation monitoring for each pooling substation of wind or solar power generation shall be undertaken separately.”

6.4 Regulation 5.17 of the Principal Regulations shall be substituted as under:-

“5.17 The QCA shall provide to the SLDC a Day-Ahead and a Week-Ahead **individual generator-wise** 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.”

6.5 Provisos to Regulation 5.19 of the Principal Regulations shall be substituted as under:-

“ Provided that, such revisions shall be effective from the 4th time block, **counting the time block in which the request of revision has been received by SLDC to be the first one;**

Provided further that, 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;

Provided further that, till such time settlement of sale of power within Maharashtra by Solar and Wind Energy Generators connected to Intra-State Transmission network is on the basis of actual generation, revision in Schedule of such Generator(s) shall not be allowed if the revision is less than two (2) percent of previous Schedule.”

6.6 Provisos to Regulation 5.20 shall be substituted as under:-

“Provided that, after the notification of the Maharashtra Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) (First Amendment) Regulations, 2023, the SLDC shall submit the updated Detailed Procedure, stipulating the revised plan for data telemetry, revised formats of forecast submission and other revised modalities and requirements, within two months from the date of such notification of the First Amendment, which the Commission shall endeavour to approve within a month thereafter.

Provided **further** that, SLDC shall undertake stakeholder consultation by uploading the Draft Procedure on SLDC’s website before submission to the Commission for approval.”

6.7 Regulation 5.20A is introduced after Regulation 5.20 of the Principal Regulations:-

“5.20A During or after completion of the Trial Mode, the SLDC may re-submit the updated Detailed Procedure, stipulating the revised plan for data telemetry, revised formats of forecast submission and other revised modalities and requirements, which Commission shall endeavour to approve within fifteen days thereafter.

Provided that, SLDC shall undertake stakeholder consultation by referring the updated Draft Procedure to the Maharashtra State Power Committee before submission to the Commission for approval.”

6.8 Regulation 5.23 of the Principal Regulations shall be substituted as under:-

“5.23 **SLDC shall continuously monitor the AvC declared by QCA. In case of any adverse observation on declaration of AvC by SLDC, the following** treatment for mis-declaration of Available Capacity **shall apply:**

- (a) Any intentional mis-declaration of Available Capacity to the SLDC for its own undue commercial gain or that of a Generator shall constitute a breach of these Regulations.
- (b) 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.
- (c) The amount of penalty shall be payable by the QCA to the State **Deviation Pool Account**, through the SLDC.
- (d) The SLDC may, after giving due notice and as stipulated in the Detailed Procedure, cancel the registration of the QCA upon repeated events of mis-declaration.”

6.9 Regulation 5.23A is introduced after Regulation 5.23 of the Principal Regulations:-

“5.23A(1) The Commission, either suo-motu, or on a Petition made by any affected party, may also initiate proceedings against any QCA on charges of Gaming and if required, may order an investigation to be made by such officer of the Commission or such other party as the Commission may deem fit. The investigation officer or authority so appointed shall submit his findings within such time as may be fixed by the Commission and such investigating officer or authority shall exercise all powers as envisaged under Section 128 of the Act.

(2) If, in the proceeding initiated by the Commission or in the investigation made in this regard under Clause (1) above, it is proved that any QCA has indulged in Gaming, the Commission may, without prejudice to any other action under the Act or Regulations made thereunder, decide on charges payable by such QCA.

7 Amendment to Regulation 7 of the Principal Regulations in PART C – COMMERCIAL ARRANGEMENTS:-

7.1 A proviso is introduced after Regulation 7.1 of the Principal Regulations:-

“Provided that the sale of power within Maharashtra by Solar and Wind Energy Generators connected to the Intra-State Transmission Network shall be settled by the Procurers on the basis of their Scheduled Generation from the date to be notified separately by the Commission.”

7.2 Regulation 7.2 of the Principal Regulations shall be substituted as under:-

“7.2A Deviation Charge when sale of power is settled on the basis of Actual Generation

7.2A.1 In respect of sale or self-consumption of power within Maharashtra, if the actual injected energy generation of a stand-alone Generator or the aggregate of such energy generation at a Pooling Sub-Station, as the case may be, differs from the scheduled energy generation, the Deviation Charge for the excess or shortfall shall be payable by the QCA to the Pool Account, through the SLDC, as specified in Table 1 below:—

Table 1: Deviation Charge for under- or over-injection, for sale or self-consumption of generation within Maharashtra

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge payable to Pool Account for energy generation
1	< = 10%	None*
2	>10% but <=12%	At Rs. 0.50 per unit for the shortfall or excess beyond 10% and upto 12%

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge payable to Pool Account for energy generation
3	>12% but <=15%	At Rs. 0.50 per unit for the shortfall or excess beyond 10% and upto 12% + Rs. 0.75 per unit for the balance energy beyond 12% and upto 15%
4	>15% but <=25%	At Rs. 0.50 per unit for the shortfall or excess beyond 10% and upto 12% + Rs. 0.75 per unit for the shortfall or excess beyond 12% and upto 15% + Rs. 1.00 per unit for the balance energy beyond 15% and upto 25%
5	>25%	At Rs. 0.50 per unit for the shortfall or excess beyond 10% and upto 12% + Rs. 0.75 per unit for the shortfall or excess beyond 12% and upto 15% + Rs. 1.00 per unit for the shortfall or excess beyond 15% and upto 25% + Rs. 1.50 per unit for the balance energy beyond 25%

[* : subject to the conditions specified in Regulation 12]

7.2B Deviation Charge when sale of power is settled on the basis of Scheduled Generation

7.2B.1 In respect of sale or self-consumption of power within Maharashtra, if the actual injected energy generation of a stand-alone Generator or the aggregate of such energy generation at a Pooling Sub-Station, as the case may be, differs from the scheduled energy generation, the Deviation Charge for the excess shall be paid back from the Pool Account to the QCA, through the SLDC, as specified in Table 3 below:—

Table 2: Deviation Charge for over-injection for sale or self-consumption of generation within Maharashtra

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for over-injection of generation payable from Pool Account subject to ceiling of Rs. 2.50/unit in the respective Absolute Error band
1	<= 10%	At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess upto 10%*
2	>10% but <=12%	(i) At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess upto 10% and (+) (ii) At 90% of the Contract rate, or in the absence of the contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for over-injection of generation payable from Pool Account subject to ceiling of Rs. 2.50/unit in the respective Absolute Error band
		10% and upto 12%
3	>12% but <=15%	(i) At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess upto 10% and (+) (ii) At 90% of the Contract rate, or in the absence of the Contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the excess beyond 10% and upto 12% and (+) (iii) At 80% of the Contract rate, or in the absence of the Contract rate, at 80% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond 12% and upto 15%
4	>15%	(i) At Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess up to 10% and (+) (ii) At 90% of the Contract rate, or in the absence of the Contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the excess beyond 10% and up to 12% and (+) (iii) At 80% of the Contract rate, or in the absence of the Contract rate, at 80% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond 12% and up to 15%

[* : subject to the conditions specified in Regulation 12]

7.2B.2 In respect of sale or self-consumption of power within Maharashtra, if the actual injected energy generation of a stand-alone Generator or the aggregate of such energy generation at a Pooling Sub-Station, as the case may be, differs from the scheduled energy generation, the Deviation Charge for the shortfall shall be payable by the QCA to the Pool Account, through the SLDC, as specified in Table 4 below:—

Table 3: Deviation Charge for under-injection for sale or self-consumption of generation within Maharashtra

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for under-injection of generation payable to Pool Account
1	< = 10%	None*
2	>10% but <=12%	At 10% of the Contract rate, or in the absence of the contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12%
3	>12% but <=15%	(i) At 10% of the Contract rate, or in the absence of the Contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12% and (+) (ii) At 20% of the Contract rate, or in the absence of the Contract rate, at 20% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 12% and upto 15%
4	>15%	(i) At 10% of the Contract rate, or in the absence of the Contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12% and (+) (ii) At 20% of the Contract rate, or in the absence of the Contract rate, at 20% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 12% and upto 15% and (+) (iii) At 50% of the Contract rate, or in the absence of the Contract rate, at 50% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 15%

[* : subject to the conditions specified in Regulation 12]

Provided that such QCA shall pay back to the Pool Account for the total shortfall in energy generation against its schedule in any time block due to under injection, at the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges, for the respective time block.

7.2B.3 The Solar and Wind Energy Generators shall furnish the Contract rates on duly notarized affidavit to the QCA, with its copy to the SLDC, for the purpose of preparation of the Deviation Charge account, along with copies of the power purchase/sale agreements.”

7.3 Regulation 7.6 of the Principal Regulations shall be deleted.

8 Amendment to Regulation 8 of the Principal Regulations in PART C – COMMERCIAL ARRANGEMENTS:-

8.1 A proviso is introduced after Regulation 8.2 of the Principal Regulations:-

“Provided that Inter-State transaction(s) at a Pooling Sub-station may be permitted even when the concerned Generator is not connected through a separate feeder, if the sale of power by all other Generators connected to such Pooling Sub-Station is actually settled on the basis of their Scheduled Generation.”

8.2 Regulation 8.5 of the Principal Regulations shall be substituted as under:-

“8.5 The Generator shall pay the Deviation Charges applicable within Maharashtra in case of deviations in the State **Deviation** Pool Account, the consequences of such deviation at the Inter-State level being governed by the CERC Regulations governing the Deviation Settlement Mechanism and related matters.”

8.3 Regulation 8.6 of the Principal Regulations shall be substituted as under:-

“8.6 The Deviation Charges for under- or over-injection by Generators connected to the Intra-State Transmission Network and selling or consuming power outside Maharashtra shall be as specified in the Annexure to these Regulations, the accounting for which shall be done by the SLDC **limited to the deviations in the Intra-State Transmission Network resulting from such under- or over-injection.**”

9 Amendment to Regulation 10 of the Principal Regulations in PART D – IMPLEMENTATION ARRANGEMENTS:-

9.1 Regulation 10.1 of the Principal Regulations shall be substituted as under:-

“10.1 Metering

Every Pooling Station, along with Wind or Solar Energy Generators connected to a such Pooling Sub-Station, and stand-alone Generator with installed capacity of 5 MW or above 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.

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.”

10 Amendment to Regulation 11 of the Principal Regulations in PART D – IMPLEMENTATION ARRANGEMENTS:-

10.1 Regulation 11.2 of the Principal Regulations shall be substituted as under:-

“11.2 The SLDC shall equip itself with a **dynamic web-based application along with** the necessary Information Technology (IT)-enabled communication platform and software for communication between it and the QCA.”

10.2 Regulation 11.3 and 11.4 of the Principal Regulations shall be substituted as under:-

“11.3 The SLDC shall be responsible for developing and maintaining a dynamic web-based application for QCA and enabling and supervising the integration of such web-based application with dynamic web-based application of SLDC along with other modules.

11.4 The QCA shall operate a dynamic web-based application and provide its log-in access to the SLDC, Sellers and Procurers for undertaking the following:

- a) To enable the SLDC to access live data of all Schedules and Deviations and facilitate the timely billing and payment of Deviation Charges;
- b) To facilitate Sellers to upload their Generator-wise schedules, revision of schedules, Generator outages and their reasons;
- c) Upload site characteristics and details of the Wind Turbines, Solar Inverters, etc.;
- d) Certification of final implemented schedules of individual Generators by the QCA;
- e) Communication between the QCA and the Sellers to access live data of all Schedules and Deviations and facilitate the timely billing and payment of Deviation Charges.

Provided that the detailed modalities of the web-based application operated by the SLDC and the QCA shall be provided in the updated Detailed Procedure to be stipulated by the SLDC in accordance with the proviso to Regulation 5.20.”

11 Amendment to Regulation 13 of the Principal Regulations in PART D – IMPLEMENTATION ARRANGEMENTS:-

11.1 Provisos to Regulation 13.1 shall be substituted as under:-

“Provided that, after notification of the date pursuant to the second proviso to Regulation 1.2 from which the settlement of sale of power within Maharashtra by Solar and Wind Energy Generators connected to the Intra-State Transmission Network by the Procurers shall be on the basis of their Scheduled Generation, the QCA shall pay/receive the amount of Deviation Charges to/from the SLDC, and collect/distribute it from the concerned Generators in proportion to their Absolute Error;

Provided further that the onus of ensuring the payment of the Deviation Charges to the SLDC by the QCA shall remain that of the concerned Generators;

Provided further that the QCA shall provide information of scheduled based settlement with the individual Generators during the Trial Mode to the SLDC.”

12 Amendment to Regulation 16 of the Principal Regulations in PART D – IMPLEMENTATION ARRANGEMENTS:-

12.1 Provisos to Regulation 16 of the Principal Regulations are introduced as under:-

“Provided that, after to notification of the date pursuant to the second proviso to Regulation 1.2 from which the settlement of sale of power within Maharashtra by Solar and Wind Energy Generators connected to the Intra-State Transmission Network by the Procurers shall be on the basis of their Scheduled Generation, the QCA shall de-pool the energy deviations and the Deviation Charges against each Generator in proportion to their Absolute Error;

Provided further that the QCA shall provide information of scheduled based settlement with the individual Generators during the Trial Mode to the SLDC.”

12.2 Regulation 16A is introduced after Regulation 16 of the Principal Regulations:-

“16A(1) The Maharashtra State Power Committee (MSPC) constituted under the Final Balancing and Settlement Mechanism (FBSM) framework and continued under the Maharashtra Electricity Regulatory Commission (Deviation Settlement Mechanism and related matters) Regulations, 2019, shall continue to operate under these Regulations subject to the conditions outlined under these Regulations.

Provided that roles, powers and functions of the MSPC as outlined under the FBSM framework shall continue to be in operation only to the extent the same is not inconsistent with the provisions under these Regulations. In such cases, the provisions of these Regulations shall apply.

(2) The Maharashtra State Power Committee shall:

(a) Provide platform to identify stakeholders concerns under these Regulations;

- (b) Reconcile and/or resolve concerns/differences between the stakeholders under these Regulations;
- (c) Guide the MSLDC for modification of procedure(s) to address the implementation difficulties, if any;
- (d) Provide necessary support and advice to the Commission for suitable modifications/issuance of operating procedures, practice directions, and amendment to the provisions of this Regulations, as may be necessary

13 Amendment to Annexure of the Principal Regulations:-

13.1 Clauses 1 (a), (b) and (c) of the Annexure to the Principal Regulations shall be substituted as under:-

- “(a) If the actual generation is lower than the scheduled, the Deviation Charges for the shortfall shall be payable by the Generator through the QCA to the State Deviation Pool Account as given in Table - A below:

Table A: Deviation Charge in case of under-injection of generation

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for under-injection of generation payable to State Deviation Pool Account
1	< = 10%	None
2	>10% but <=12%	At 10% of the Contract rate, or in the absence of the contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12%
3	>12% but <=15%	(i) At 10% of the Contract rate, or in the absence of the Contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12% and (+) (ii) At 20% of the Contract rate, or in the absence of the Contract rate, at 20% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 12% and upto 15%
4	>15%	(i) At 10% of the Contract rate, or in the absence of the Contract rate, at 10% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the shortfall beyond 10% and upto 12% and (+) (ii) At 20% of the Contract rate, or in the absence of the

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for under-injection of generation payable to State Deviation Pool Account
		Contract rate, at 20% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 12% and upto 15% and (+) (iii) At 50% of the Contract rate, or in the absence of the Contract rate, at 50% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance shortfall beyond 15%

Provided that such QCA shall pay back to the State Deviation Pool Account for the total shortfall in energy generation against its schedule in any time block due to under injection, at the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges, for the respective time block.

- (b) If the actual generation is higher than the scheduled generation, the Deviation Charges for the excess generation shall be payable to the Generator through the QCA from the State Deviation Pool Account, as given in Table - B below:

Table B: Deviation Charge in case of over-injection of generation

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for over-injection of generation payable from State Deviation Pool Account subject to ceiling of Rs. 2.50/unit in the respective Absolute Error band
1	< = 10%	At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess up to 10%
2	>10% but <=12%	(i) At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess upto 10% and (+) (ii) At 90% of the Contract rate, or in the absence of the contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond 10% and upto 12%
3	>12% but <=15%	(i) At the Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess upto 10%

Sr. No.	Absolute Error in %age terms in 15-minute time block	Deviation Charge for over-injection of generation payable from State Deviation Pool Account subject to ceiling of Rs. 2.50/unit in the respective Absolute Error band
		and (+) (ii) At 90% of the Contract rate, or in the absence of the Contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the excess beyond 10% and upto 12% and (+) (iii) At 80% of the Contract rate, or in the absence of the Contract rate, at 80% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond 12% and upto 15%
4	>15%	(i) At Contract rate, or in the absence of the Contract rate, at the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, for excess up to 10% and (+) (ii) At 90% of the Contract rate, or in the absence of the Contract rate, at 90% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the excess beyond 10% and up to 12% and (+) (iii) At 80% of the Contract rate, or in the absence of the Contract rate, at 80% of the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block for the balance excess beyond 12% and up to 15%

- (c) The Solar and Wind Energy Generators shall furnish the Contract rates on duly notarized affidavit to the SLDC for the purpose of preparation of the Deviation Charge account, along with copies of the power purchase/sale agreement.
- (d) The Contract rate for Solar and Wind Energy Captive Power Plants and Open Access Generators selling power which is not counted against the Renewable Purchase Obligation (RPO) compliance of the Procurer shall be the Average Power Purchase Cost (APPC) rate at the national level, as determined by the CERC from time to time. For the balancing of the deemed RPO compliance of Procurers with respect to Schedule, the aggregate deviations by Solar and Wind Energy Generators selling power outside the State shall first be netted off for the entire Pool on a monthly basis, and any remaining shortfall in generation shall be balanced through purchase of equivalent Solar or non-Solar Renewable Energy Certificates (RECs), as the case may be, by the SLDC by utilising funds from the State Deviation Pool Account. In case of a positive balance of Solar or Wind

Energy generation, equivalent notional RECs shall be credited to the State Deviation Pool Account and carried forward for settlement in future.”

Mumbai
Dated: 21 December, 2023

(Dr. Rajendra G. Ambekar)
Secretary,
Maharashtra Electricity Regulatory Commission