

Bhopal, the 3rd October 2025

No. 1925/MPERC/2025 In exercise of powers conferred by Section 181 of the Electricity Act 2003, (36 of 2003) and all other powers enabling it in that behalf, the Madhya Pradesh Electricity Regulatory Commission hereby makes the following Regulations to amend Madhya Pradesh Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement Mechanism and related Matters of wind and Solar Generating Stations) Regulations, 2018 ({G-44 of 2018} herein after referred to as “the Principal Regulations” namely: -

**THIRD AMENDMENT TO MADHYA PRADESH ELECTRICITY
REGULATORY COMMISSION (FORECASTING, SCHEDULING,
DEVIATION SETTLEMENT MECHANISM AND RELATED MATTERS OF
WIND AND SOLAR GENERATING STATIONS) REGULATIONS, 2018**

1. Short Title and Commencement.

- 1.1. These Regulations shall be called “**Madhya Pradesh Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement Mechanism and related Matters of wind and Solar Generating Stations) Regulations, 2018 (Third Amendment) {AG-44(iii) of 2025}**”.
- 1.2. These Regulations shall come into force from the date of their publication in the Madhya Pradesh Gazette.
- 1.3. These Regulations shall extend to the whole of Madhya Pradesh.

2. Amendment to Regulation 2 of the Principal Regulations.

- 2.1 **A new sub-clause (c1) shall be inserted after existing sub-clause (c) of clause 2(1) of the Principal Regulations, namely:**

“(c1) ‘**Area Clearing Price**’ or ‘**ACP**’ means the price of an electricity contract for a time block transacted on a Power Exchange after considering all valid buy and sale bids in a particular area(s) after market-splitting;”

- 2.2 **Sub-clause (d) of clause 2 (1) of the Principal Regulations shall be substituted by a new sub-clause (d), namely:**

“(d) ‘**Available Capacity**’ or ‘**AvC**’ for wind or solar generators, which are state entities, shall be the cumulative capacity rating of the wind turbines or solar inverters that are capable of generating power in a given time-block:

Provided that in case of Solar Wind Hybrid Generating Projects, the Available Capacity shall be the cumulative capacity rating of the wind turbines or solar inverters that are capable of generating power in a given

time block but not exceeding the quantum in MW for which connectivity permission is granted and for the same Bulk Power Transmission Agreement (BPTA) has been executed:

Provided further that the aforesaid projects may or may not have Energy Storage System:"

2.3 Sub-clause (h) of clause 2 (1) of the Principal Regulations shall be substituted by a new sub-clause (h), namely:

“(h) ‘Deviation-RE (also termed as Absolute Error’) shall mean the absolute value of the error in the actual generation of wind, solar, hybrid of solar and wind generators with or without ESS which are state entities with reference to the scheduled generation and the ‘Available Capacity’ (AvC), as calculated using the following formula for each 15-minute time block:

$$\text{Error (\%)} = 100 \times [\text{Actual Generation} - \text{Scheduled Generation}] / (\text{AvC});$$

Provided that the Deviation of Stand-alone ESS which are state entities shall be calculated using the following formula for each 15 minutes time block:

$$\text{Deviation-general seller (Dgs)} = (\text{Actual Generation} - \text{Scheduled Generation});”$$

2.4 A new sub-clause (ha) shall be inserted after sub-clause (h) of clause 2 (1) of the Principle Regulations, namely:

“(ha) ‘Energy Storage System’ or ‘ESS’ means a facility where electrical energy is converted into any form of energy, which can be stored and subsequently reconverted into electrical energy and injected back into the grid;”

2.5 A new sub-clause (ja) shall be inserted after sub-clause (j) of clause 2 (1) of the Principle Regulations, namely:

“(ja) ‘General Seller’ means a seller in case of a generating station based on resources other than wind or solar or hybrid of wind-solar resources;”

2.6 Sub-clause (o) of clause 2 (1) of the Principal Regulations shall be substituted by a new sub-clause (o), namely:

“(o) ‘RE Projects’ shall mean all Wind Generating Projects with or without ESS. Solar Generating Projects with or without ESS. Solar Wind Hybrid Generation Projects with or without ESS and Stand-alone ESS irrespective

of their dates of Commissioning and the term RE Projects shall be construed accordingly.”

2.7 Sub-clause (r) of clause 2 (1) of the Principal Regulations shall be substituted by a new sub-clause (r), namely:

“(r) 'Pooling Station' means the sub-station where pooling of generation of individual wind generators with or without ESS/ solar generators with or without ESS/ Solar Wind Hybrid Generation Project with or without ESS/ Stand-alone ESS is done for interfacing with the next higher voltage level:

Provided that where there is no separate pooling station for a wind with or without ESS/solar with or without ESS/ Solar Wind Hybrid Generation Projects with or without ESS/Stand-alone ESS and the generating station is connected through common feeder and terminated at a sub-station of distribution company/STU/CTU, the substation of distribution company/STU/CTU shall be considered as the pooling station for such Generation Projects , as the case may be;

Provided further that Solar Wind Hybrid Power Project with or without ESS may be located at same or maximum 2 different locations and in case of not being Co-located, a hybrid project with or without ESS is to be connected at 2 points at different locations. However, connection with grid at both the points in such a case shall be through dedicated feeders only;”

2.8 A new sub-clause (sa) shall be inserted after sub-clause (s) of clause 2 (1) of the Principle Regulations, namely:

“(sa) 'Reference Charge Rate' or 'RR' means

- (i) in respect of a general seller whose tariff is determined or adopted or approved under Section 62 or Section 63 or Section 86 (1) (b) of the Act, Rs./kWh energy charge as determined or adopted or approved by the Appropriate Commission; or
- (ii) in respect of a general seller whose tariff is not determined or adopted or approved under Section 62 or Section 63 or Section 86 (1) (b) of the Act, and selling power through power exchange(s), the price as discovered in the power exchange for the respective transaction; or
- (iii) in case of a captive consumption of a captive generating plant based on resources other than renewable energy sources, the weighted average ACP of the Integrated-Day Ahead Market segments of all the Power Exchanges for the respective time block;

- (iv) in case of multiple contracts or transactions including captive consumption, the weighted average of the reference rates of all such contracts or transactions;

2.9 A new sub-clause (sb) shall be inserted after proposed sub-clause (sa) of clause 2 (1) of the Principal Regulations, namely:

“(sb) ‘Renewable Energy Generating Station’ or ‘REGS’ means a generating station based on renewable source of energy with or without Energy Storage System and shall include Renewable Hybrid generating Stations;”

3. Amendment to Regulation 3 of the Principal Regulations.

The clause 3 (2) of the Principal Regulations is substituted by following clause 3(2), namely:

“(2) These Regulations shall be applicable to Seller(s) involved in the transactions facilitated through short-term open access or medium-term open access or long-term open access in intra-state transmission or distribution of electricity (including intra-state wheeling of power), as the case may be, in respect of all wind power generators having a combined installed capacity of 10 MW and above. solar power generators having installed capacity of 5 MW and above and hybrid of wind & solar power generators having installed capacity of 10MW and above including those connected via pooling stations and selling power within the State. The above-mentioned wind, solar, and solar-wind hybrid generation project may have energy storage systems (ESS):

Provided that these Regulations shall also be applicable to all Stand-alone ESS having installed capacity of 10 MW and above including those connected via pooling stations and selling power within the State:

Provided further that these Regulations shall also be applicable to all Stand-alone ESS, wind, solar and Solar Wind Hybrid Generation projects selling power outside the State under open access and having combined installed capacity of 1 MW and above.”

4. Amendment to Annexure - I of the Principal Regulations.

4.1 Clause 2 (V) (i) of the Annexure – I of the Principal Regulation shall be substituted by following clause 2 (V) (i), namely:

“(V) (i) QCA shall provide 15 minutes block- wise Available Capacity and Forecasted Generation on day ahead basis with Intraday periodic revisions of the same to SLDC on behalf of all the Wind/Solar/Hybrid Generating stations with or without ESS and Stand-alone ESS connected to the pooling station(s) at interconnection point and also coordinate with SLDC for scheduling:

Provided that

- i) The combined forecast at the time of injection either by ESS or from both solar/wind/hybrid and Stand-alone ESS shall be provided by QCA:
- ii) The Scheduling of power for charging of ESS shall be done by SLDC as per contracts executed between the buyer and seller. The scheduling of power shall be done by SLDC as per separate requisition to be provided by QCA for charging of ESS.

Note- Separate sign convention shall be used for injection and drawl of the power from the grid.”

4.2 Clause 4 (iii) of the Annexure – I of the Principal Regulation shall be substituted by following clause 4 (iii), namely:

“(iii) QCA shall declare the AvC and forecast generation in 15 minutes time block for each pooling station (Wind / Solar / Hybrid) with or without ESS on behalf of Wind / Solar / Hybrid Generators with or without ESS connected to a pooling station. The AvC and Forecast shall be declared on day ahead basis and can be revised during the real time operation.”

4.3 New clauses 5 (iv) and (v) shall be added after existing clause 5 (iii) of the Principal Regulations, namely:

“(iv) In case of Wind/Solar/Hybrid Generators with ESS. each wind/solar/hybrid pooling station and ESS shall be metered separately with Special Energy Meter (SEM) along with AMR facility so that individual actual injection / drawl can be captured.

(v) In case of Wind/Solar/Hybrid Generators with ESS. a separate connection shall be obtained by such REGS from Distribution Licensee for drawl of power for Synchronization of plant or during shutdown of station or auxiliary consumption etc. during non-generation hours at it’s cost.”

4.4 Clause 6 (a) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (a), namely:

“(a) SLDC shall compute the deviation charges of qualified (Wind / Solar / Hybrid of Wind and Solar Pooling Stations) with or without ESS or Stand-alone ESS based on the Schedules issued by SLDC and SEM data received by SLDC from concerned Discoms / STU or through AMR System.”

4.5 Clause 6 (e)(I)(ii) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(I)(ii), namely:

“(ii) In the event of actual generation being lesser than the scheduled generation, the deviation charges for shortfall in generation shall be payable by such, wind or solar generator or hybrid of solar & wind generators, with or without ESS, which are State entities into State Deviation Pool Account as given in Table-IA and IIA enclosed at the end of operating procedure.”

4.6 Clause 6 (e)(I)(iii) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(I)(iii), namely:

“(iii) In the event of the actual generation being more than the scheduled generation, the deviation charges for excess generation shall be payable to the, wind or solar generators or hybrid of Solar & Wind generators, with or without ESS, which are State entities from State Deviation Pool Account as given in Table- IB and IIB enclosed at the end of operating procedure.”

4.7 Clause 6 (e)(I)(iv) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(I)(iv), namely:

“(iv) The Fixed Rate referred under Table-IA & IB and Table-IIA & IIB is the PPA rate as determined by the Commission under section 62 of the Electricity Act 2003 or adopted by the Commission under section 63 of the Electricity Act 2003. In case of multiple PPAs, the weighted average of the PPA rates shall be taken as the Fixed Rate. The wind, solar and Hybrid Solar Wind Generators with or without ESS shall furnish the PPA rates on affidavit for the purpose of deviation charge account preparation to SLDC supported by copy of the PPA.”

4.8 Clause 6 (e)(I)(v) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(I)(v), namely:

“(v) Fixed Rate for Open Access participants where no PPA rate is available shall be the Average Power Purchase Cost (APPC) rate at the National level, as may be determined by the Central Commission from time to time through separate order:

Provided that in case of ESS considered as a General Seller, reference charge rate shall be considered as a deviation charge rate for computing the deviation charges.”

4.9 Clause 6 (e)(II)(ii) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(II)(ii), namely:

“(ii) 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 or solar or hybrid of solar & wind generator (s), with or without ESS, or the QCA, as the case may be, to the State Deviation Pool Account, as given in Table - III or Table-IV enclosed at the end of these operating procedure.”

4.10 Clause 6 (e)(II)(iv) of the Annexure – I of the Principal Regulation shall be substituted by following clause 6 (e)(II)(iv), namely:

“(iv) All, Wind or Solar or Hybrid of Solar and Wind Generators, with or without ESS and Stand-alone ESS shall be treated together as a virtual pool within the State Deviation Pool Account. Deviations for and within this virtual pool could be settled first at the rates and methodology stipulated above for above generating stations.”

4.11 A new clause 6(e)(III) shall be added after existing clause 6(e)(II), namely:

“(III) Charges for deviation, in respect of a (i) Stand-alone Energy Storage System (ESS). (ii) ESS along with Wind/Solar Generators and only ESS is injecting or drawing power from the Grid, shall be computed as a general seller (Other than a RoR generating station and a generating station based on municipal solid waste) as specified in Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related matter) Regulations 2024 and subsequent amendments:

Provided that when ESS is in charging mode, the deviation by way of over drawl shall be treated as under injection and deviation by way of under drawl shall be treated as over injection and charges for deviation shall be settled accordingly:

Provided further that the computation of charges for Deviation, in respect of a stand-alone ESS being pumped hydro storage plant shall be the same as applicable to a solar generating station, for the period from the date of publication of these Regulations to 31.03.2026 after which computation of charges for Deviation in respect of charging of a Stand-alone ESS being pumped hydro storage plant shall be same as general seller.

Provided also that in case of ESS with wind/solar/Hybrid Generators injects power into the Grid without the injection schedule for intra state transactions, the deviation charges shall be computed as per the

methodology specified for the generating station with which the ESS is coupled.”

4.12 Clause 8 of the Annexure – I of the Principal Regulation shall be substituted by following clause 8, namely:

“(8) QCA shall be required to submit to SLDC the following payment security in the form of a Bank Guarantee (BG) towards settlement of DSM charges of Wind and Solar Generating Stations with State Deviation Pool Account:

- (i) For Solar Generation with or without ESS - Rs.10,000/- per MW for installed capacity of Solar Generating Station.
- (ii) For Wind Generation with or without ESS - Rs. 40,000/- per MW for installed capacity of Wind Generating Station.
- (iii) For Solar Wind Hybrid Generation Projects with or without ESS – Rs 25,000/- per MW for combined installed capacity of Solar and Wind Generating Stations or for the quantum in MW for which connectivity permission is granted whichever is less.
- (iv) For Stand-alone ESS Projects - Rs. 5,000/- per MW for installed capacity of Stand-alone ESS Project.
- (v) The BG (Bank Guarantee) submitted shall be valid for a period of 3 years and issued by any Scheduled Commercial Bank and shall be extended from time to time as required. The payment security shall be reviewed by the SLDC every year by the end of May based on actual incidence of DSM charges during the previous financial year.
- (vi) In case of failure to pay into the "State Deviation Pool Account" within the specified time of 12 days from the date of issue of statement of charges for Deviation and payment is not made even after lapse of 60 days from the date of issuance of DSM account. the SLDC shall encash the BG of the concerned QCA and the concerned QCA shall recoup the same within a period of one (1) month. However, after implementation of weekly statement by the SLDC, the recoupment period shall be reduced to 15 days.”

By order of the Commission,
UMAKANTA PANDA, Commission Secy.