GUJARAT ELECTRICITY REGULATORY COMMISSION

Gujarat Electricity Regulatory Commission (Grid Interactive Battery Energy Storage System) Regulations, 2026

Notification No. 10 of 2026

GERC/2026/10/Tech/2146: In exercise of the powers conferred by sub-Section (2) of Section 181 read with Sections 61, 66 and 86 of the Electricity Act, 2003 (Act 36 of 2003) and all other powers enabling it in that behalf, the Gujarat Electricity Regulatory Commission hereby notifies this Gujarat Electricity Regulatory Commission (Grid Interactive Battery Energy Storage System) Regulations, 2026.

Chapter 1: Preliminary and Conceptual Framework

1. Short title and commencement

1.1. These Regulations may be called the Gujarat Electricity Regulatory Commission (Grid Interactive Battery Energy Storage System)

Regulations, 2026.

1.2. These Regulations shall extend to the whole of the State of Gujarat.

1.3. These Regulations shall come into force on the date of their publication in the Official Gazette of the State of Gujarat.

2. Definitions and Interpretation

2.1. In these Regulations, unless the context otherwise requires:

(a) **"Act"** means the Electricity Act, 2003 (36 of 2003).

(b) **"Aggregator(s)"** means an entity that provides aggregation of one or more services like Demand Response services under the Demand Response mechanism, Distributed Generation, Energy Storage, etc.

(c) **"Ancillary Services" or "AS"** means the services necessary to support the operation of the power system for maintaining grid frequency, voltage, reliability, and security, and includes Primary Reserve Ancillary Service (PRAS), Secondary Reserve Ancillary Service (SRAS), Tertiary Reserve Ancillary Service (TRAS), Reactive Power support, black start services, and such other services as may be specified by the Commission or as defined under the Ancillary Services framework as may be notified by the Commission from time to time.

(d) **"Associated Generating Plant"** means a Generating Plant in which a Co-located BESS is installed, and which shall also supply electricity for charging the Co-located BESS while it may also continue to inject surplus or unutilised generation into the grid, subject to provisions of these Regulations.

(e) **"Battery Energy Storage Systems"** or **"BESS"** shall mean electrochemical devices connected to the Power System that absorb electricity from the grid or generation sources, store it in

the form of chemical energy, and discharge it, in the form of electricity, when required. They typically include batteries, Power Conversion System, and Battery Management System.

(f) **"Battery Energy Storage System Developer" or "BESSD" or "Developer"** shall mean the entity developing /owning /operating the BESS facility for supply of power under these Regulations.

(g) "**Captive Generating Plant" or "CGP"** shall have the same meaning as assigned to it under the Act.

Provided that the Captive Status of a Captive Generating Plant with a Co-located BESS shall be determined in accordance with the applicable captive policy framework and the relevant Regulations, Rules, or Orders, as amended from time to time.

(h) **"Co-located BESS"** means a BESS installed at the same location and connected to the same evacuation infrastructure as a Generating Station, including Renewable or Conventional Generation, for purposes such as firming of power, smoothing, or enhancing dispatchability.

(i) **"Commission"** means the Gujarat Electricity Regulatory Commission (GERC).

(j) **"Distribution Licensee"** shall have the same meaning as assigned to it under the Act.

(k) **"Generating Company"** shall have the same meaning as assigned to it under the Act.

(l) "**Grid Disturbance**" shall have the same meaning as assigned to it in the Central Electricity Authority (Grid Standards) Regulations, 2010, as amended from time to time.

(m) **"Prosumer"** means a person who consumes electricity from the grid and can also inject distributed renewable energy generated

from DRES with or without BESS, into the grid using the same network of distribution licensee, in accordance with applicable Regulations/Orders of the Commission as amended from time to time.

(n) **"Renewable Energy sources"** includes sources defined by the Government of India from time to time, under the Act.

(o) **"Standalone BESS"** means a BESS operating independently, not a part of an integrated Renewable/Conventional plus Storage Asset, and capable of participating in Energy Markets, Capacity Markets, or Ancillary Services, subject to the provisions of these Regulations.

(p) **"State Load Despatch Centre" or "SLDC"** shall have the same meaning as assigned under the Act and shall be responsible for integrated operation of the Power System within the State.

2.2. Save as aforesaid and unless repugnant to the context or the subject-matter otherwise requires, words and expressions used in these Regulations and not defined, but defined in the Act, or the Gujarat Electricity Grid Code (GEGC)/Indian Electricity Grid Code (IEGC) (as applicable) or any other Regulations of the Commission/Central Electricity Regulatory Commission (CERC)/Central Electricity Authority (CEA) shall have the meaning assigned to them respectively in the Act or the Code or such other Regulations.

2.3. Reference to any Act, Rules and Regulations shall include amendments or consolidations or re-enactment thereof.

3. Scope and Applicability

3.1. These Regulations shall apply to the planning, procurement, development, deployment, operation, scheduling, despatch and

utilisation of Grid Interactive BESS within the State of Gujarat.

3.2. These Regulations shall be applicable to all entities within the State including:

- Generating Companies
- Transmission Licensees
- Distribution Licensees
- Standalone BESS Developers
- Captive Generating Plants
- Consumers/Prosumers with Storage under Net Metering / Gross Metering / Net Billing / Group Net Metering / Virtual Net Metering arrangements under the applicable regulatory framework of the Commission.
- Aggregators for aggregating storage services

3.3. Applicability shall extend to BESS developed and deployed under these Regulations.

Provided that the BESS Projects which are commissioned or under construction or under execution prior to notification of these Regulations shall be governed by the provisions of these Regulations subject to the condition that such BESS projects shall have a valid Battery Energy Storage Purchase Agreement (BESPA) with the concerned Distribution Licensee and are registered with GEDA.

3.4. All type of BESS projects connected to Intra-State Transmission Network or Distribution network and to be installed in the State of Gujarat shall be required to be registered with Gujarat Energy Development Agency (GEDA).

Provided that no separate registration shall be required for a BESS which is integrated and installed as part of a new Renewable Energy project, subject to the condition that the registration of such Renewable Energy Project clearly includes the BESS component, its capacity, configuration, technical particulars, location and interconnection details as may be required under the Standard Operating Procedure (SOP) to be published by GEDA.

3.5. GEDA shall, in consultation with the STU, SLDC, Distribution Licensees and other concerned Agencies, prepare and notify a detailed SOP consisting of application processing, documentation requirements, technical particulars, issuance of trial run and commissioning certificate for grid-connected BESS projects in the State of Gujarat, in accordance with these Regulations, within three months from the date of notification of these Regulations.

4. Objective

The objectives of these Regulations are to provide a comprehensive framework for the deployment and utilisation of BESS in the State, including but not limited to:

a) Enhancing flexibility, reliability, stability and security of the Power System.

b) Enabling efficient and optimal utilisation of Battery Energy Storage Resources.

c) Enabling the efficient utilization of Renewable Energy and addressing the issues related to intermittency of Renewable Energy.

d) Enabling deployment and utilisation of BESS as part of

Generation, Transmission, and Distribution assets.

e) Establishing a framework for procurement and enabling business models for deployment of BESS.

f) Enabling participation of BESS in grid support services and electricity markets.

g) Establishing a framework for Aggregators and third-party BESS Developers to participate in the Electricity Market.

h) Enabling compliance with Energy Storage Obligation (ESO) targets for obligated entities in accordance with the provisions specified under the GERC (Procurement of Power from Renewable Energy Sources) Regulations, 2025, as amended from time to time.

5. Ownership of BESS

5.1. BESS may be developed, owned and operated by Generating Companies, Transmission Licensees, Distribution Licensees, Independent Power Producers (IPPs), Captive Generating Plants, Renewable Power Project Developers, Independent Storage Service Providers, Consumers/Prosumers or Aggregators, subject to compliance with applicable Laws, Regulations and directions issued by the Commission.

5.2. Nothing contained in these Regulations shall restrict the participation of any entity in development or operation of BESS, subject to applicable statutory provisions and provisions of these Regulations.

6. Business Models for BESS

6.1. BESS may be deployed and operated under one or more of the

following business models:

i. Co-located with new/existing Renewable or Conventional Generators.

   Provided that Generating Plant/Captive Generating Plant shall be allowed to install only a co-located BESS, which shall be charged using electricity generated from the associated Generating Plant/Captive Generating Plant.

   Provided further that where a Generating Plant/Captive Generating Plant is found to be drawing electricity from the Grid for charging of the BESS, without maintaining corresponding Contract Demand with the Distribution Licensee, the electricity so consumed shall be charged at the applicable Temporary Supply tariff, i.e., HT or LT Temporary Tariff, as the case may be. In case the Generating Plant / Captive Generating Plant maintains Contract Demand with the Distribution Licensee, it will be charged at the applicable category specific tariff for the energy drawn for charging of the Co-located BESS or for any other purposes permitted under the applicable Orders / Regulations of the Commission.

ii. Grid-connected Standalone BESS.

   Provided that Grid-connected Standalone BESS Projects shall be permitted only for providing Storage Services to Licensees and /or sell power into the Power Market or to participate in Ancillary Services.

   Provided further that Standalone BESS shall not be permitted to provide storage services to the RE Power Projects set up for Captive use or sale of energy to third party consumers, in the State.

iii. Embedded in Distribution or Transmission networks.

iv. Battery Energy Storage under Net Metering/Gross Metering / Net Billing / Group Net Metering / Virtual Net Metering arrangements.

v. Integrated with Electric Vehicle (EV) Charging Stations and Battery Swapping Stations, including for Vehicle-to-Grid (V2G) services and Grid-to-Vehicle (G2V) services.

6.2. BESS shall have the same legal status as that of the Owner:

Provided that for the standalone BESS, owned and operated by the Licensees, the legal status shall still be that of the Owner, but for the purpose of scheduling and despatch and other matters, it shall be treated at par with a separate storage element.

6.3. The Commission may, from time to time, recognise or approve additional business models for deployment of BESS.

6.4. Subject to the provisions of Regulation 6.1, a standalone BESS can also serve multiple functions, provided that the allocation for capacity for each of these functions are earmarked accordingly for the same and each allocated capacity shall abide by its commitments so as to not violating the commitments of the other earmarked allocation.

7. General Principles for Planning, Procurement and Deployment of BESS

7.1. All entities shall consider deployment of BESS as an integral component of System Planning, Resource Adequacy, and Grid Flexibility enhancement.

7.2. The minimum individual BESS project size shall be above 1 MW (power rating), with a corresponding energy storage rating of at least two hours and shall be connected at 11 kV or above.

Provided that this minimum size shall not apply to BESS installed at the Distribution Transformer (DTR) level, or Co-located with Generating Plants/Captive Generating Plants, or for BESS installed under Net Metering/Gross Metering/Net Billing/Group Net Metering/Virtual Net Metering arrangements by Consumers/Prosumers.

Provided further that for BESS Co-located with existing Generating Stations, the minimum energy rating requirement may be reduced to less than two hours where the primary application is Ancillary Services/Frequency Regulation.

Provided also that the Commission may, from time to time, review and revise the minimum project size through separate Order to adapt to technological advancements and market conditions.

7.3. The planning, procurement and deployment of BESS shall be undertaken in a manner that ensures:

a) Optimal utilisation of storage capacity.
b) Efficient integration of Renewable Energy sources.
c) Enhancement of system reliability, resilience and security.
d) Economic efficiency in comparison with alternative solutions, and
e) Alignment with applicable Policies, including Energy Storage Obligations (ESO) and Renewable Energy targets.

7.4. BESS may be deployed as:

a) A Generation-linked asset.
b) A Transmission system asset.
c) A Distribution system asset; or
d) A Standalone storage asset.
e) Prosumer / Consumer linked asset.

7.5. BESS shall be procured as a service through competitive bidding under Section 63 of the Electricity Act by the Licensees, with tariff discovered as an Availability-based fixed charge in accordance with the prevailing Guidelines of the Ministry of Power, Govt. of India for procurement and utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Service or any updated Guidelines which adopt the same, with or without modification, if any. The bidding parameters may also specify the performance parameters such as charging/discharging rate, efficiency, ramp rate, etc., depending upon the requirements of the specific use of BESS. The tariff discovered through the competitive bidding process shall be adopted by the Commission under Section 63 of the Act.

7.6. Notwithstanding the foregoing, procurement of BESS under Section 62 of the Electricity Act 2003 shall be permitted only in exceptional circumstances, with the prior permission from the Commission. Such approvals shall be subject to submission of adequate rationale demonstrating the necessity and justification as to why procurement of BESS service through competitive bidding route is not feasible along with the techno-commercial analysis for such procurement and ensuring compliance with the applicable Regulations, Technical norms/standards and tariff principles while taking into account prevailing market conditions and the availability of cost-effective alternatives.

7.7. Transmission and Distribution Licensees may evaluate deployment of BESS as an alternative to conventional network augmentation.

7.8. The Technical Standards for construction of BESS and the safety aspects shall be guided by CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulation, 2022, and other

applicable norms/Regulations, as amended from time to time.

8. Generation linked BESS

8.1. Planning of Generation-linked BESS

8.1.1. Generating Companies may plan to install Co-located BESS with existing or upcoming Generating Stations, including Renewable and Conventional Generating Stations.

8.1.2. The planning of BESS by generating entities shall primarily be for:

a) Firming and shaping of Renewable Energy output.

b) Compliance with contractual obligations including dispatchability requirements.

c) Participation in electricity markets including Energy and Ancillary Services.

d) Optimisation of generation, scheduling and reduction of deviations.

8.1.3. In case, BESS is co-located with Renewable Energy Projects, such BESS may be considered as part of hybrid or firm power arrangements subject to applicable Regulations.

8.2. Procurement of Generation-linked BESS

8.2.1. Generating entities may procure or develop BESS through:

a) Competitive procurement; or

b) Third-party arrangements including leasing or service contracts.

Provided that in case a Captive Consumer is installing BESS, the

verification of Captive Status shall be carried out for the project as a whole in accordance with the provisions of the Electricity Rules, 2005 as amended from time to time, other applicable Regulations and Orders.

8.3. Deployment of Generation-linked BESS

Co-located BESS shall be operated as part of the Generating Station for the purpose of scheduling and despatch, unless otherwise specified.

Provided that where a BESS is Co-located and integrated with Thermal Generating Station/Renewable Energy Generating Station, no separate connectivity/Open Access approval shall be required for such BESS, so long as the total injection at the interconnection point does not exceed the Connectivity Capacity/Open Access quantum granted to such Generating Station/Renewable Energy Generating Station.

Provided also that the total injection from the Project, including injection from the Thermal Generating Station/Renewable Energy Generating Station and the BESS component, shall not exceed the Connectivity Quantum/ Sanctioned Capacity/Open Access quantum granted to such Project, as applicable. Any injection beyond such granted quantum shall be treated as inadvertent injection and shall not be eligible for any commercial settlement, apart from attracting actions in accordance with Gujarat Electricity Grid Code, as amended from time to time.

Provided further that such integration shall be subject to compliance with applicable Grid Code, Connectivity, Metering, Protection, Scheduling and Communication requirements, Orders/Regulations of the Commission, as applicable.

9. Transmission linked BESS

9.1. Planning of Transmission BESS

9.1.1. Transmission Licensees shall consider BESS as part of Transmission System planning.

9.1.2. BESS may be planned for:

a) Congestion management in Transmission corridors.
b) Deferral of Transmission network augmentation.
c) Integration of large-scale Renewable Energy.
d) Provision of Grid Support services.
e) Enhancement of system reliability and contingency support.

9.1.3. Transmission Licensees, in coordination with the SLDC and STU, may identify strategic locations for deployment of BESS in the Transmission Network and shall form part of the State Transmission System Plan framed by the STU.

9.2. Procurement of Transmission BESS

Transmission Licensees shall primarily procure BESS through competitive bidding process under Section 63 of the Electricity Act, 2003, as per the prevailing MoP' Guidelines.

9.3. Deployment of Transmission BESS

9.3.1. The Transmission Licensees may consider deployment of BESS as part of Transmission planning and shall coordinate with the SLDC for optimal utilisation of such systems.

9.3.2. The Transmission Licensee may deploy BESS as part of the transmission system where such deployment is found to be technically

and economically feasible.

10. Distribution linked BESS

10.1. Planning of Distribution BESS

10.1.1. Distribution Licensees shall assess the requirement for deployment of BESS as part of Distribution system planning or Resource Adequacy planning.

10.1.2. Planning shall consider:

a) Peak demand management and managing Renewable Energy Generation.
b) Integration of Distributed Renewable Energy Resources.
c) Reduction of network losses.
d) Voltage Regulation and Power Quality improvement.
e) Compliance with Energy Storage Obligations.
f) Management of deviation charges.

10.1.3. The Distribution Licensee shall, while planning and procuring BESS, duly consider the requirements arising from Energy Storage Obligations (ESO) specified under applicable Regulations including the GERC (Procurement of Power from Renewable Energy Sources) Regulations, 2025 and align such procurement with its power procurement strategy.

10.1.4. Distribution licensees, in coordination with the SLDC/STU, may identify strategic locations for deployment of BESS in the distribution network.

10.2. Procurement of Distribution BESS

Distribution Licensees shall procure BESS primarily through

competitive bidding under Section 63 of the Electricity Act, 2003.

10.3. Deployment of Distribution BESS

10.3.1. Distribution BESS may be deployed:

a) At Substations.
b) At Feeder level.
c) At Distribution Transformer level.
d) At Consumer level through aggregation.

10.3.2. Distribution Licensees shall maintain a database of BESS installed under Net Metering/Gross Metering/Net Billing/Group Net Metering/Virtual Net Metering arrangements within their licensed area and shall provide such information to the SLDC in the manner as specified under the applicable framework.

11. Standalone BESS

11.1. Planning of Standalone BESS

11.1.1. Standalone BESS Developers may establish storage systems at locations identified based on market opportunities, grid requirements, or contractual arrangements.

11.1.2. Such planning shall consider:

a) Proximity to Load Centres or Renewable Generation.
b) Grid connectivity.
c) Market participation opportunities.

11.2. Procurement and Commercial Framework for Standalone BESS

11.2.1. Subject to the provisions of these Regulations, the Standalone BESS

may operate under:

a) Merchant model.
b) Bilateral contracts.
c) Capacity or Ancillary Service contracts.

Provided that Standalone BESS shall not be permitted to provide storage services to Renewable Energy Power Projects set up for Captive use or sale of energy to third-party consumers, in the State.

11.2.2. Procurement of storage services from standalone BESS by the Licensees shall be through competitive mechanisms under Section 63 of the Electricity Act, 2003.

11.3. **Deployment of Standalone BESS**

11.3.1. Standalone BESS shall be treated as an independent entity for scheduling, despatch and market participation as per the prevailing Regulations.

11.3.2. Such BESS may provide the following services subject to the provisions of these Regulations:

a) Energy Arbitrage.
b) Ancillary Services.
c) Capacity Support.
d) Other Grid Services.

12. General Principles for Operation of BESS

12.1. All Grid-connected BESS shall be operated in accordance with the provisions of Gujarat Electricity Grid Code and other applicable Regulations.

12.2. The BESS shall be recognised as a controllable and dispatchable resource, capable of both injection and drawl of energy subject to the purpose for which such BESS is installed and the applicable connectivity, Open Access, scheduling and commercial settlement framework.

12.3. The operation of BESS shall be governed by the provisions of the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007, as amended from time to time, and shall, inter alia, adhere to the following principles:

a) Grid security and reliability shall have over-riding priority.
b) Optimal utilisation of Storage Capacity shall be ensured.
c) Compliance with contractual obligations shall be maintained.
d) Efficient participation in Electricity Markets and Ancillary Services shall be enabled.
e) For balancing Generation & Consumption.
f) Reactive Power Compensation.

13. Scheduling of BESS

13.1. All grid connected BESS shall be scheduled and despatched in accordance with the provisions of these Regulations and applicable scheduling and despatch procedures as per the Gujarat Electricity Grid Code as well as other applicable Orders/Regulations of the Commission, as amended from time to time.

13.2. For the purpose of Scheduling, Despatch and Energy Accounting:

a) Charging of BESS from the grid shall be treated as drawal of electricity.

b) Discharging of BESS in the grid shall be treated as injection of electricity.

Provided that Co-located BESS shall only be charged through associated Generating Station.

Provided further that where a Generating Plant/Captive Generating Plant is found to be drawing electricity from the Grid for charging of the BESS, without maintaining the corresponding Contracted Demand with the Distribution Licensee, the electricity so consumed shall be charged at the applicable Temporary Supply tariff, i.e., HT or LT temporary tariff, as the case may be. In case the Generating Plant/Captive Generating Plant maintains corresponding Contract Demand with the Distribution Licensee, it will be charged at the applicable category specific tariff for the energy drawn for charging of the co-located BESS or for any other purposes permitted under the applicable Orders/Regulations of the Commission.

13.3. Scheduling of Generation-linked BESS

13.3.1. Where the BESS is Co-located with a Generating Station, scheduling shall be undertaken as part of the associated Generating Station, and such BESS shall not be scheduled as a separate entity, subject to provisions of applicable Regulations.

Provided that notwithstanding anything contained in the GERC (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2019, for BESS Co-located with a Solar Generating Plant, declaration of the Available Capacity (AvC) shall be permitted without any restriction in the time specified in the GERC (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2019.

13.3.2. The GERC (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2019 is applicable for Wind, Solar based Renewable Energy sources, whereas the Intra-State Availability Based Tariff (ABT)/DSM mechanism is applicable for other generating stations. The applicability of the scheduling and despatch requirements for co-located BESS shall be governed by the respective regulatory framework as applicable to different configurations of BESS, having regard to the nature of the generating source with which the BESS is co-located.

13.3.3. The applicability of the above-mentioned regulatory framework for different configurations of BESS shall be as follows:

a) **Renewable Energy based Power Projects with Co-located BESS:** The Scheduling and Forecasting requirement applicable to a Renewable Energy (RE) Generating Station with Co-located BESS shall be governed in accordance with the provisions of the GERC (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2019 as amended from time to time, and other applicable Regulations and Orders of the Commission.

b) **Conventional Generating Station with Co-located BESS:** The Scheduling and Despatch requirements to a Conventional Generating Station with Co-located BESS shall be governed in accordance with the applicable Intra-State Availability Based Tariff (ABT)/DSM mechanism as specified under the relevant Regulations and Orders of the Commission, as amended from time to time.

13.3.4. SLDC shall specify the detailed procedures for scheduling, despatch and energy accounting of co-located BESS, consistent with these Regulations within two months of notifying these Regulations and

submit the same to the Commission for the approval.

13.3.5. BESS may be utilised for firming, smoothing and time-shifting of renewable energy subject to compliance with the applicable scheduling, despatch and deviation settlement provisions as per the Regulations notified by the Commission.

13.4. Scheduling of Transmission-linked BESS

13.4.1. BESS deployed as part of the transmission system shall be operated under the control of SLDC.

13.4.2. The SLDC shall make appropriate arrangements for the charging of the BESS, including the determination of the charging schedule and the identification of the source(s) of energy used for such charging in a manner consistent with grid-security, operational requirements and the applicable Regulations. SLDC shall retain overall supervisory control and may issue over-riding directions during Grid Disturbances.

Provided that SLDC shall maintain appropriate records of overriding directions issued for scheduling and despatch of BESS during grid disturbances as part of its regulatory reporting.

13.4.3. For a BESS installed in the network of a transmission licensee, the drawl schedule for charging of BESS and injection schedule for discharge from BESS shall be accounted for in the drawl/despatch schedule of respective distribution licensee in whose supply area BESS is installed by transmission licensee. The accounting of the charge/discharge of such BESS shall be maintained and shall be published by SLDC on weekly/monthly basis along with weekly/ monthly State Energy Account Statements on its website.

13.4.4. SLDC shall maintain a separate pool account to capture and account for all costs incurred in charging the transmission linked BESS as well as all revenue earned through discharging through transmission linked BESS. Accordingly, the net cost or the net benefit shall be shared between beneficiaries through separate pool account maintained by SLDC. SLDC shall prepare procedure for sharing of such net cost/ benefit, thereof, amongst the beneficiaries and shall submit the procedures for approval of the Commission within two months from the date of notification of this Regulation.

13.4.5. The utilisation of transmission linked BESS shall be aligned with system requirements including congestion management and grid support.

13.5. Scheduling of Distribution-linked BESS

13.5.1. Distribution Licensees shall schedule the BESS for applications such as peak shaving, loss reduction and network management as per the provisions of the applicable Regulations/Codes.

13.5.2. Distribution Licensee shall ensure coordination with SLDC for scheduling and despatch of BESS in line with the provisions of the applicable Regulations/Codes.

13.6. Scheduling of Standalone BESS

13.6.1. Standalone BESS shall be scheduled as independent entities in line with the provisions of applicable Intra-State ABT/DSM mechanism as specified under the relevant Regulations and Orders of the Commission, as amended from time to time for charging and discharging of energy.

13.6.2. Such BESS shall submit schedules for:

a) Charging.

b) Discharging.

c) Ancillary Services, where applicable.

13.6.3. The Scheduling and Despatch requirements to a standalone BESS shall be governed in accordance with the applicable Intra-State Availability Based Tariff (ABT)/DSM mechanism, as specified under the relevant Regulations and Orders of the Commission, as amended from time to time.

14. Despatch and Control of BESS by SLDC during Grid disturbance

SLDC shall have overriding authority to issue despatch instructions to all grid connected BESS during grid disturbance in the interest of grid security and reliability, notwithstanding the contractual arrangements of the BESS Operator.

Provided that in normal scenario, scheduling shall be done as per these Regulations.

15. Energy Accounting and Settlement

15.1. Energy Accounting of BESS shall be carried out as per the provisions of these Regulations and other applicable Regulations, Orders, Procedures and Rules and the applicable Grid Code.

15.2. Notwithstanding anything contained in the Commission's Order dated 08.05.2020 read with the Order dated 11.06.2021 in Petition No. 1936 of 2021, a Solar Project set up during the Control Period of the said Orders and having installed a BESS as part of such existing Solar Project shall be permitted to discharge the stored energy and inject it into the Grid beyond the banking period specified in the aforesaid Orders

subject to conditions that the energy so discharged and injected shall be allowed adjustment/credit in the account of the consumer concerned against his consumption in the same 15-minute time block basis.

Provided that any surplus energy left after adjusting the same in the 15-minute time block basis shall be treated as inadvertent injection of energy.

16. Ancillary Services and Grid Support by BESS

16.1. Subject to these Regulations, BESS may be utilised for providing ancillary services and grid support services in the State, in accordance with the applicable Regulations as may be notified by the Commission.

16.2. BESS shall be eligible to provide fast response services to support Grid stability and reliability including Frequency Regulation, Ramping support, Reserve Management, Voltage support and such other services as may be specified under applicable Regulations or directions issued by the Commission.

16.3. SLDC, in consultation with STU and Distribution Licensees, may specify eligibility criteria for BESS Resources to provide ancillary services, based on technical criteria and operational performance including procedure for Scheduling, Despatching, Metering, Accounting, Settlement, and Commercial mechanisms for the operationalisation of Ancillary Services, in accordance with the Ancillary Services framework to be specified by the Commission.

16.4. BESS Developer designated or contracted for provision of ancillary services shall comply with despatch instructions issued by SLDC for such services.

16.5. BESS developer may provide ancillary services either as a standalone resource, as part of a Generating Station or through aggregation, subject to compliance with technical and operational requirements specified by SLDC under the ancillary services framework to be specified by the Commission.

16.6. BESS Developer participating in Electricity Markets shall be compensated based on market-determined prices.

17. Multi-use and Revenue Framework

17.1. Subject to these Regulations, Standalone BESS may be utilised for multiple applications including:

a) Energy Arbitrage.
b) Ancillary Services.
c) Peak Demand Management.
d) Congestion Management.

17.2. Where BESS is deployed for multiple uses, operation shall be subject to:

a) Technical Feasibility.
b) Contractual Obligations.
c) System Constraints.

17.3. In case of competing requirements, priority shall be as follows:

a) Grid Security and Reliability.
b) Ancillary Service obligations.
c) Contractual commitments.
d) Market Participation.

17.4. Recovery of costs through multiple revenue streams shall be permitted

in the form of contractual payments and market-based revenues.

17.5. Revenues and performance obligations for different services shall be accounted separately to prevent double accounting or double recovery of benefits or liabilities.

17.6. The Commission may, from time to time, enable participation of BESS in emerging market mechanisms including capacity markets, flexibility markets and ancillary service markets, based on system requirements and regulatory developments.

18. Curtailment and Rescheduling of BESS

18.1. SLDC may curtail or reschedule operation of BESS in the interest of:

a) Grid constraint/security.
b) System reliability.
c) Emergency conditions.

18.2. Such directions shall be binding on all BESS operators.

19. Technical Standards

19.1. BESS installation shall conform to technical standards specified by the Central Electricity Authority (CEA), Policies and Guidelines issued by the Ministry of Power and MNRE, Govt. of India and other relevant authorities. They shall abide by the relevant Rules and Regulations framed under the Electricity Act, 2003, including the Indian Electricity Grid Code (IEGC), Grid Connectivity Standards, and other relevant Rules/Codes/Procedures issued by the Commission from time to time.

19.2. BESS providers shall submit real-time and periodic data to SLDC in the prescribed format notified by SLDC and approved by the Commission.

19.3. The procedure for first-time charging, testing and commissioning of BESS shall be specified in the Gujarat Electricity Grid Code, as amended from time to time.

20. Safety, Cyber Security and Environmental Norms

20.1. BESS systems shall comply with Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2023, as amended from time to time, Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations, 2022, as amended from time to time, and other applicable Standards and Codes.

20.2. The cyber security and communication protocols shall adhere to the guidelines of the Ministry of Electronics and Information Technology (MeitY), the Central Electricity Authority (CEA) and the Ministry of Power (MoP).

20.3. Environmental management and end-of-life disposal of batteries shall be in accordance with the Battery Waste Management Rules, 2022 or any other Guidelines/Regulations of the Government of India/Government of Gujarat as amended time to time. The responsibility of disposal shall lie with the owner of the BESS.

21. Role of Consumers/Prosumers

21.1. All Consumers/Prosumers, including those availing Net Metering/ Gross Metering/Net Billing / Group Net Metering/Virtual Net Metering arrangements, shall be allowed to install a BESS in accordance with the applicable Regulations of the Commission, as amended from time to time.

21.2. Such installations shall comply with the applicable technical standards and connectivity requirements specified by the CEA and other relevant Regulations in force. The Consumer/Prosumer shall register itself with GEDA and take prior permission of Distribution Licensee/Transmission Licensee before commissioning the BESS.

21.3. In the event of any deviation from the prescribed technical standards, the same shall be rectified by BESS developer and certified by the concerned Distribution Licensee or State Transmission Utility prior to synchronization with the grid.

Provided that BESS operating in complete isolation from the grid shall not be subject to the above requirements relating to intimation, inspection, or certification.

22. Role of Aggregator

22.1. Subject to the provisions of these Regulations, Aggregators may aggregate BESS resources from grid-connected standalone storage, from multiple sites to provide services to the SLDC/Transmission Licensees/Distribution Licensees or other Market Participants.

22.2. Aggregators registered/appointed with/by the Distribution Licensees shall follow the protocols issued by SLDC.

22.3. SLDC, in consultation with the Distribution Licensees and other concerned licensees, shall specify the minimum technical and financial eligibility criteria, registration procedure, applicable fees and other related terms and conditions for registration of Aggregators in accordance with the Ancillary Services Regulations as may be notified separately by the Commission.

23. Open Access to BESS

GERC (Terms and Conditions of Intra-State Open Access) Regulations, 2011 and GERC (Terms and Conditions for Green Energy Open Access) Regulations, 2024 as well as other Orders/Regulations of the Commission as amended from time to time, as applicable shall govern the Open Access and related charges.

24. Dispute Resolution

Any dispute arising under these Regulation that does not fall under the purview of the Consumer Grievance Redressal Forum (CGRF) shall be adjudicated by the Commission.

25. Power to Give Directions

The Commission may, from time to time, issue such directions and orders as it considers appropriate for the implementation of these Regulations.

26. Power to Relax

The Commission may, by general or special order, for reasons to be recorded in writing, and after giving an opportunity of hearing to the parties likely to be affected, relax any of the provisions of these Regulations on its own motion or on an application made before it by an interested person.

27. Power to Amend

The Commission may, from time to time, add to, vary, alter, suspend, modify, amend or repeal any provision of these Regulations.

28. Power to Remove Difficulties

If any difficulty arises in giving effect to the provisions of these

Regulations, the Commission may, by an order, make such provisions, not inconsistent with the provisions of the Act and these Regulations, as may be necessary for removing the difficulty.

Sd/-
[Ranjeeth Kumar J., IAS]
Secretary
Gujarat Electricity Regulatory Commission
Gandhinagar, Gujarat

Place: Gandhinagar.

Date: 16.10.2026.

LIST OF ABBREVIATIONS

Abbreviations	Full form
AvC	Available Capacity
BESPA	Battery Energy Storage Purchase Agreement
BESS	Battery Energy Storage System
BESSD	Battery Energy Storage System Developer
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGP	Captive Generating Plant
CGRF	Consumer Grievance Redressal Forum
DSM	Deviation Settlement Mechanism
DRES	Distributed Renewable Energy System
ESO	Energy Storage Obligation
EV	Electric Vehicle
G2V	Grid-to-Vehicle
GEDA	Gujarat Energy Development Agency
GEGC	Gujarat Electricity Grid Code
GERC	Gujarat Electricity Regulatory Commission
IEGC	Indian Electricity Grid Code
IPP	Independent Power Producers
MYT	Multi-Year Tariff
RA	Resource Adequacy
SLDC	State Load Despatch Centre
STU	State Transmission Utility
V2G	Vehicle-to-Grid