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**QUARTERLY**  
**REGULATORY**  
**TRACKER**

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## **CERC approves “Detailed Procedure for Security Constrained Unit Commitment (SCUC), Unit Shut Down (USD) and Security Constrained Economic Despatch (SCED) at Regional Level”**

As per Regulations 46(4)(i) and 46(4)(j) of the Indian Electricity Grid Code, 2023, NLDC is required to prepare a detailed procedure for the participation of the generating stations in SCUC, including the time to start a unit under different conditions such as Hot, Warm and Cold and submit the same for approval of the Commission. Further, Regulation 46(5)(a) requires NLDC to specify the criteria for assessment of the adequacy of reserves and identification of the generating stations or units thereof for SCUC three days in advance in the detailed procedure. Regulation 47(2) requires the preparation of a detailed procedure for the USD, and Regulation 49(2)(a)(iv) requires the preparation of a detailed procedure for the SCED.

Accordingly, NLDC, vide its letter dated 29.09.2023, had submitted the “Detailed Procedure for Security Constrained Unit Commitment (SCUC), Unit Shut Down (USD) and Security Constrained Economic Despatch (SCED) at Regional Level” after stakeholder consultation, for the Commission’s approval. The Commission after examining the Detailed Procedure submitted by NLDC and after incorporating suitable changes, has approved the “Detailed Procedure for Security Constrained Unit Commitment (SCUC), Unit Shut Down (USD) and Security Constrained Economic Despatch (SCED) at Regional Level” in terms of Regulations 46(4)(i), 47(2), 46(4)(j), 46(5)(a), 46(5)(b) and 49(2)(a)(iv) of the Grid Code vide its Order dated 16.04.2024. The approved Detailed Procedure is effective from date of issue of the Order. Further, NLDC has been directed to provide detailed feedback within one month after 6 months of the effective date of the procedure is completed, or earlier if required, to evaluate the operation of the procedure in practice.

**For further details visit**

<https://www.cercind.gov.in/2024/orders/Detailed%20Procedure%20for%20SCUCAG.pdf>

## **CERC notifies Procedure, Terms and Conditions for grant of Transmission Licence and other related matters Regulations, 2024**

CERC has notified Procedure, Terms and Conditions for grant of Transmission Licence and other related matters Regulations, 2024 on 23.05.2024.

As per the regulation, no person shall be eligible for grant of licence for inter-state transmission of electricity unless it is, selected through the process under the competitive bidding guidelines issued under section 63 of the Act or an entity selected by the Central Government or its authorised agency to implement a project under the regulated tariff mechanism.

Distribution licensees and bulk consumers will not be required to seek transmission licence for inter-State transmission of electricity for developing, maintaining and operating the transmission lines for connecting their system with the inter State transmission system. The Regulation provides the procedure for grant of licence requiring the applicant to make an application for the grant of licence to the Commission.

The Regulations prohibits the licensee from entering into any agreement or otherwise engaging in the business of trading electricity. In case of default by a licensee in debt repayment, the Commission may, on an application made by the lenders of the licensee, assign the licence to a nominee of the lenders. Further, the transmission licence shall, unless revoked earlier, continue to be in force for a period of 25 years from the date of issue. The transmission licence for the transmission assets whose tariff is determined by the commission under Section 62 of the Act, shall, on completion of 25 years from the date of issue of licence, stand automatically renewed for another period of 25 years at a time, unless revoked earlier.

**For further details visit**

<https://www.cercind.gov.in/regulations/188-Noti.pdf>

### **CERC announces 2nd Amendment to (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2024**

CERC has notified Connectivity and General Network Access to the inter-State Transmission System (Second Amendment) Regulations, 2024 on 19.06.2024.

As per the notification, the changes aim to streamline the process and encourage the integration of renewable energy. The amendment regulations introduce a new category called “Renewable Energy Implementing Agency” for an entity designated by the Central Government or the State Government to act as Intermediary Procurer to select and buy power from Renewable energy generating station(s) for selling the same to one or more distribution licensees or any other entity or the Central Government or the State Government which intends to select and procure power from the REGS for their own consumption. The regulations also stipulate that minor deficiencies in applications will be communicated within 10 working days, allowing for quicker corrections. Additionally, a new minimum capacity requirement of 25 MW now applies to applicants in the North Eastern Region and Sikkim.

**For further details visit**

<https://www.cercind.gov.in/regulations/190-Noti.pdf>

### **CERC notifies draft (Indian Electricity Grid Code) (First Amendment) Regulations, 2024**

CERC has notified draft Indian Electricity Grid Code (First Amendment) Regulations, 2024 on 12.06.2024. As per the draft amendment, injection of infirm power shall not exceed one year from the date of first synchronisation for generating stations other than renewable energy generating station and energy storage system. Additionally, injection of infirm power shall not exceed 45 days from the date of first time charging approval for REGS and ESS. The regional entity thermal generating stations whose tariffs are adopted under Section 63 of the Act will be compensated for part load operation, that

is, for generation below the normative level of operation, in terms of the provisions of the contract entered into by such generating stations with the beneficiaries or buyers, or in the absence of such provision in the contract, as per the mechanism already in force under the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010.”

A maximum of 4 revisions of Declared Capacity and schedule in a day subject to a maximum of 60 (sixty) revisions during a month will be allowed to the generating station (other than lignite, gas based thermal generating station, and hydro generating station) or ESS (as an injecting entity) while 6(six) revisions of Declared Capacity and schedule in a day subject to a maximum of 120 (One hundred twenty) revisions during a month will be allowed to generating station based on lignite, gas or hydro generating station due to reasons such as a partial outage of the unit or variation of fuel quality or any other technical reason to be recorded in writing. In case a regional entity generating station, whose tariff is determined under Section 62 of the Act, gets a schedule below minimum turndown level for Off-Peak hours of the day, however, gets a schedule above minimum turndown level for Peak hours of the day, the schedule below the minimum turndown level may, on the request by such generating station to NLDC shall be adjusted under SCED such that the schedule in all time blocks of the day is at least at the minimum turndown level.

**For further details visit**

[https://www.cercind.gov.in/2024/draft\\_reg/DR120624.pdf](https://www.cercind.gov.in/2024/draft_reg/DR120624.pdf)

## **CERC notifies Terms and Conditions for Tariff determination from Renewable Energy Sources Regulations, 2024**

CERC has notified Terms and Conditions for Tariff determination from Renewable Energy Sources Regulations, 2024 on 12.06.2024. As per the Regulation, CERC is responsible for annually determining the generic tariff in accordance with regulations for various types of renewable energy projects. These include small hydro projects, biomass power projects with rankine cycle technology, non-fossil fuel-based co-generation projects, biomass gasifier-based power projects, biogas-based power projects, as well as municipal solid waste-based power projects and refuse-derived fuel-based power projects. These regulations shall apply to cases where the tariff, for a grid connected generating station or a unit thereof commissioned during the control period and based on renewable energy sources is to be determined by the commission.

**For further details visit**

<https://www.cercind.gov.in/regulations/189-Noti.pdf>

## **MoP notifies Guidelines for payment of compensation in regard to Right of Way (RoW) for Transmission lines**

The compensation guidelines for transmission lines was notified on 14.06.2024. The guidelines stipulate that the compensation shall be payable only for transmission lines supported by a tower base

of 66 kv voltage level and above, and not for sub-transmission and distribution lines below 66 kV. The District Magistrate/District collector/Deputy commissioner shall be the authority for determining the compensation. compensation for the tower base area shall be 200% of the land value. The compensation amount for Right-of-way (RoW) corridor shall be 30% of the land value. Compensation payment shall be one-time and upfront.

**For further details visit**

[https://powermin.gov.in/sites/default/files/Guidelines\\_for\\_payment\\_of\\_compensation\\_in\\_regard\\_to\\_Right\\_of\\_way\\_RoW\\_for\\_transmission\\_lines.pdf](https://powermin.gov.in/sites/default/files/Guidelines_for_payment_of_compensation_in_regard_to_Right_of_way_RoW_for_transmission_lines.pdf)

## Regulatory Updates from North-Eastern Region

### Arunachal Pradesh SERC (Power Purchase and Procurement Process of Licensee) Regulation, 2024

The Regulations were notified on 16.04.2024. As per the Regulations the Distribution Licensee (s) shall make an assessment of demand (MW) and energy requirement for peak and off peak period of the day for all the months of the year for next one year (short term) and for next ten years (Long term) on monthly basis. The demand and energy requirements shall be worked on peaking capacity (MW) and energy basis (MU).

The Distribution Licensee(s) shall also make an assessment of the availability of Power and energy from different sources for peak and off Peak periods of the day for all the months of the year for next one year (short term) and for next ten years (long term) on monthly basis. On the basis of demand/energy forecast and availability projections, the Distribution licensee shall then prepare a power procurement plan for procuring balance power and energy under short term power procurement plan and long-term power procurement plan.

**For further details visit**

<https://apserc.nic.in/pdf/Regulations/37APSERC%20PPA%20Regulations%202024%20%20214%20EOG%20214%20Electricity.pdf>

### Arunachal Pradesh SERC (Terms and Conditions for Green Energy Open Access (GEOA) and Methodology for Calculation of Charges) (1st Amendment) Regulations, 2024

The Amendment Regulations were notified on 25.04.2024. The Amendment stipulates that banking facility shall be provided to the consumers availing Green Energy Open Access. The surplus energy from a “Green Energy” Generating station after setoff shall be banked with the Distribution Licensee. Provided, that the “Permitted quantum of banked energy by the Green Energy Open Access Consumers shall be at least thirty percent (30%) of the total monthly consumption of electricity from the distribution licensee by the consumers”

**For further details visit**

<https://apserc.nic.in/pdf/Regulations/35-Normal%20Gazette%20No.%20-8.pdf>

### **Arunachal Pradesh SERC (Consumer Grievances Redressal Forum and Ombudsman), Regulations, 2024 (2nd Amendment)**

The Amendment Regulations were notified on 25.04.2024. The Amendment stipulates that every distribution licensee has to constitute three tier consumer Grievances Redressal forum, namely:

- (a) 1st tier shall be at the Sub-Division level headed by an executive not below the rank of Assistant Engineer or equivalent.
- (b) 2nd tier shall be at Circle level headed by an executive not below the rank of Superintending Engineer or equivalent.
- (c) 3rd tier shall be at headquarter level headed by an Executive not below the rank of Chief Engineer or equivalent.

The amendment also provides procedure for constitution of Forum and appointment of its members.

**For further details visit**

<https://apserc.nic.in/pdf/Regulations/35-Normal%20Gazette%20No.%20-8.pdf>

### **Joint SERC for the States of Manipur & Mizoram (Standard of Performance for Distribution and Transmission Licensees) (First Amendment) Regulations, 2024**

The Amendment Regulations were notified on 16.05.2024.

The amendment provides that where power supply can be provided from existing network, licensee shall release supply to an applicant within the time specified below after receipt of application:

<b>Activity</b>	<b>Class I cities</b>	<b>Urban Areas</b>	<b>Rural Areas</b>
New connection/additional load where supply can be provided from existing network	7 days	15 days	25 days
New connection/additional load where supply can be provided after extension/augmentation of network	90 days	90 days	90 days
Erection of substation to extend supply	90 days	90 days	90 days

Further, the amendment also provides that in cases where power supply requires extension of distribution mains, licensee shall acknowledge receipt of application within 2 days and intimate to the applicant in writing, the amount of security and other charges payable within 7 days, 15 days and 30 days of receipt of application for low tension, high tension and extra high tension.

The supply of electricity in such cases is to be given by licensee within 90 days.

**For further details visit**

<https://jerc.mizoram.gov.in/uploads/attachments/2024/05/34f9ad3c70b8a94feec32dd0dc8629d7/draft-notification-sop-regulations-2024.pdf>

### **Arunachal Pradesh SERC (Framework for Resource Adequacy) Regulations, 2024**

The Regulations were notified on 14.05.2024. The objective of these Regulations is to enable the implementation of Resource Adequacy framework by outlining a mechanism for planning of generation and transmission resources for reliably meeting the projected demand in compliance with specified reliability standards for serving the load with an optimum generation mix. Resource Adequacy framework shall cover following important steps: (a) Demand assessment and forecasting (b) Generation resource planning (c) Procurement planning (d) Monitoring and compliance.

The Long, medium and short term for the purpose of these Regulations shall be considered as: (a) Long Term Distribution Resource Adequacy Plan for a horizon of ten years; and (b) Medium term procurement plan for a period up to five years; and (c) Short-term procurement plan for a period up to one year. The distribution licensee shall develop and prepare Long Term Distribution Resource Adequacy Plan (LT-DRAP), Medium-Term Distribution Resource Adequacy Plan (MT-DRAP) and Short-Term Distribution Resource Adequacy Plan (ST-DRAP) in accordance with the conditions outlined in the Regulations.

**For further details visit**

<https://apserc.nic.in/pdf/Regulations/39APSERC%20Framework%20for%20Resource%20Adequacy%20Regulations%202024%2019%20EOG.pdf>

### **Meghalaya State Electricity Regulatory Commission (Framework for Resource Adequacy) Regulations, 2023**

The Regulations were notified on 09.05.2024. Resource Adequacy framework shall cover following important steps: a) Demand assessment and forecasting b) Generation resource planning c) Procurement planning d) Monitoring and compliance. The medium and short term for the purpose of these Regulations shall be considered as: a) Medium term procurement plan for a period up to ten years; and b) Short-term procurement plan for a period up to five years. The distribution licensee is required to develop and prepare Medium-Term Distribution Resource Adequacy Plan (MT-DRAP) and Short-Term Distribution Resource Adequacy Plan (ST-DRAP) in accordance with the conditions outlined under the Regulations.

**For further details visit**

[https://mserc.gov.in/regulations/2024/MSERC\\_Framework\\_ResourceAdequacy\\_2023.pdf](https://mserc.gov.in/regulations/2024/MSERC_Framework_ResourceAdequacy_2023.pdf)

### **Tripura Electricity Regulatory Commission (Group Net Metering and Virtual Net Metering for Renewable Energy) (First Amendment) Guidelines, 2023**

The Amendment Regulations were notified on 23.06.2024. The amendment provides that the Distribution Licensee will allow Net Metering arrangement to Eligible Consumers up to 85% of the rated capacity of that distribution transformer or any other percentage as may be fixed by the

Commission of the rated capacity of such transformer(s). However, the Distribution Licensee may allow Net Metering connectivity exceeding 85% of such rated capacity based on a detailed load study carried out by it. Further, the amendment also provides that the Renewable Energy System commissioned till 31st march 2026 under TERC (Net Metering for Grid Interactive Rooftop Solar System) Regulations, 2016 shall be exempted during its useful life from payment of wheeling charge, banking charge, cross subsidy charge and any other charge(s), as may be decided by the Commission by an order.

**For further details visit**

<https://terc.tripura.gov.in/sites/default/files/TERC%20%28Net%20Metering%20For%20Grid%20Interactive%20Rooftop%20Solar%20Systems2016%29%20%281st%20Amendment%29%20Guidelines%2C%202023%201.pdf>

Notification	Date	Link
Joint SERC for Manipur & Mizoram (Electricity Supply Code) (Eighteenth Amendments) Regulation, 2024.	16.04.2024	<a href="https://jerc.mizoram.gov.in/uploads/attachments/2024/04/945861c75488fb4bb3ac2ac5840c4ae6/draft-notification-of-jercmm-electricity-supply-code-18th-amendment.pdf">https://jerc.mizoram.gov.in/uploads/attachments/2024/04/945861c75488fb4bb3ac2ac5840c4ae6/draft-notification-of-jercmm-electricity-supply-code-18th-amendment.pdf</a>
The Joint SERC for Manipur and Mizoram (Methodology for determination of Green Energy Open Access Charges) Regulations, 2024.	09.04.2024	<a href="https://jerc.mizoram.gov.in/uploads/attachments/2024/04/5df8a7602d5fdea879a6dafd70e50d47/methodology-for-determination-of-green-energy-open-access-charges-regulations-2024.pdf">https://jerc.mizoram.gov.in/uploads/attachments/2024/04/5df8a7602d5fdea879a6dafd70e50d47/methodology-for-determination-of-green-energy-open-access-charges-regulations-2024.pdf</a>
Arunachal Pradesh SERC (Standards of Performance for the Distribution Licensee) Regulations, 2024	26.04.2024	<a href="https://apserc.nic.in/pdf/Regulations/38-APSERC%20Standards%20of%20Performance%20Regulations%202024%20-%202015%20EOG%202015%20-%20Electricity-1.pdf">https://apserc.nic.in/pdf/Regulations/38-APSERC%20Standards%20of%20Performance%20Regulations%202024%20-%202015%20EOG%202015%20-%20Electricity-1.pdf</a>
Meghalaya SERC (Terms and Conditions of Green Energy Open Access) Regulations, 2023	09.05.2024	<a href="https://mserc.gov.in/regulations/2024/MSERC_GreenEnergy_2023.pdf">https://mserc.gov.in/regulations/2024/MSERC_GreenEnergy_2023.pdf</a>
Assam SERC (Grid Interactive Solar PV Systems) Regulations, 2019 (First Amendment)	18.06.2024	<a href="https://aerc.gov.in/regulations/1719659332.pdf">https://aerc.gov.in/regulations/1719659332.pdf</a>
Arunachal Pradesh SERC (Demand Side Management) Regulations, 2024.	27.06.2024	<a href="https://apserc.nic.in/pdf/Regulations/42-281.%20%20EOG%20No.%20281%20.Electricity%20Regulator%20Commission,%202024%20Final.pdf">https://apserc.nic.in/pdf/Regulations/42-281.%20%20EOG%20No.%20281%20.Electricity%20Regulator%20Commission,%202024%20Final.pdf</a>
Arunachal Pradesh SERC (Procedure, Terms and Conditions for grant of Distribution Licence and other related matters) Regulations, 2024.	27.06.2024	<a href="https://apserc.nic.in/pdf/Regulations/41-280.%20EOG-280.pdf">https://apserc.nic.in/pdf/Regulations/41-280.%20EOG-280.pdf</a>

## Regulatory Updates from Northern Region

### The Himachal Pradesh SERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024

The regulation was notified on 20.05.2024. These Regulations shall be applicable to the buyers and the sellers i.e. the State Distribution Licensee (s), State Sector Generating Stations and Open Access Customers connected to the State Grid and shall also include the Directorate of Energy, Government of Himachal Pradesh, HPPTCL i.e. State transmission utility as well as the SLDC.

The framework for Deviation Settlement Mechanism shall cover the following key design parameters:

- a. The scheduling to be done from 00hrs to 24hrs.
- b. Merit order to be followed for preparing the despatched schedules for the State entities.
- c. For all state entities, excluding distribution companies, schedule shall be prepared based on their injection /drawal points, projecting them to the state's periphery after accounting the applicable losses.
- d. Deviation calculation shall be done by SLDC and maintain a "State Deviation pool Accounts" for the purposes of Deviation settlement amongst the State Entities.
- e. Preparation and settlement of 'Deviation Pool Accounts' shall be undertaken on weekly basis coinciding with mechanism followed for regional energy accounts.
- f. Measurement unit shall be kilo Watt hours (kWh)
- g. The SLDC shall endeavour that the grid frequency remains close to 50.000 Hz. The frequency band shall be maintained in any cases of deviation "49.90 to 50.00"
- h. The normal rate of charges for deviation for a time block shall be equal to the normal rate of charges for deviation, as followed by Northern Regional Power Committee.
- i. Intra-State transmission system losses and distribution losses, as approved by the Commission, shall be applicable to the State Entities using State network
- j. In case of sudden fall of 20MW or more for any State entity, SLDC may procure URS from concerned Generating station with intimation to such State.

The Charges for deviation in a time block for various frequency ranges have been provided in the regulation. The charges for deviation shall be computed by SLDC and published on its website the quantum of deviation on regular basis. The bill raised by distribution licensees shall be payable by concerned entities within 15 days failing which interest shall be payable.

The surplus amount, if any, in the State Deviation Pool Account as on the last days of the months of June and December of each year, or at such other intervals as the Commission may direct from time to time, shall be transferred to a separate fund namely "the State Power Systems Development Fund", which shall be operated and maintained by the SLDC.

**For further details visit**

<https://hperc.org/new1/File1/fdsm2024.pdf>

### **The Draft Delhi SERC (Terms and Conditions for Green Energy Open Access) Regulations, 2024**

The draft regulation was notified on 07.06.2024. This Regulation shall be applicable for Green Energy Open Access (GEOA) desire to avail by the Licensee, Green Energy Generator or Consumer who have contracted demand or sanctioned load of Hundred (100) kW or more, either through single connection or through multiple connections aggregating Hundred (100) kW or more located in same electricity division of a distribution licensee

Green Energy Open Access Consumer means any person who has contract demand or sanctioned load of Hundred (100) kW or more, either through single connection or through multiple connections aggregating Hundred (100) kW or more located in same electricity division of a distribution licensee, shall be eligible to avail Green Energy through Open Access.

The right to use the intra State transmission system and/or distribution system for a “Long-term Green Energy Open Access” means period exceeding 7 years but not exceeding 25 years. Whereas for medium term Green Energy Open Access means a period more than 3 months not exceeding 5 years and for Short Term the period means upto one month.

#### **For further details visit**

[https://www.derc.gov.in/sites/default/files/Draft%20DERC%20%28Terms%20and%20Conditions%20for%20Green%20Energy%20Open%20Access%29%20Regulations%2C%202024\\_0.pdf](https://www.derc.gov.in/sites/default/files/Draft%20DERC%20%28Terms%20and%20Conditions%20for%20Green%20Energy%20Open%20Access%29%20Regulations%2C%202024_0.pdf)

### **The Draft Delhi SERC (Renewable Purchase Obligation and Renewable Energy Certificate Framework Implementation) Regulations, 2024**

The draft regulation was notified on 07.06.2024. Renewable Purchase Obligation (RPO) shall be applicable to all including Distribution Licensee, Open access consumers and captive users within National Capital Territory of Delhi. Also any entity, obligated or not may elect to generate, purchase and consume renewable energy/green energy as per their requirements.

The RPO targets for obligated entities from year 2024 to 2030 has been specified on yearly basis starting from total RPO 29.91% in year 2024-25 to total RPO 43.33% in year 2029-30. Provided also that for any shortfall in meeting the total RPO targets for any financial year within three months from the date of completion of the relevant financial year, the Obligated Entities may purchase RECs.

Distribution licensee shall procure 100% power generated from all the Waste-to- Energy plants in the State. Also a green Certificate shall be given by the distribution licensee on yearly basis to the consumers for the green energy supplied by the licensee to consumer on his request beyond the renewable purchase obligation of the consumers.

Open Access Consumers receiving electricity from Renewable Energy Sources (RES) will be exempted from various surcharges (Wheeling, Transmission, Cross Subsidy Surcharge, Additional Surcharge) to the extent of their RPO compliance, provided they certify non-claim of RECs/RPO for that energy.

**For further details visit**

[https://www.derc.gov.in/sites/default/files/Draft%20DERC%20%28Renewable%20Purchase%20Obligation%20and%20Renewable%20Energy%20Certificate%20Framework%20Implementation%29%20Regulations%2C2024\\_0.pdf](https://www.derc.gov.in/sites/default/files/Draft%20DERC%20%28Renewable%20Purchase%20Obligation%20and%20Renewable%20Energy%20Certificate%20Framework%20Implementation%29%20Regulations%2C2024_0.pdf)

Notification	Date	Link
The Draft Joint SERC for the UT of Jammu & Kashmir and the UT of Ladakh (Grid Interactive Renewable Energy system and its related matters) First Amendment Regulations, 2024.	13.05.2024	<a href="https://jercjkl.nic.in/pdf/Joint%20Electricity%20Regulatory%20Commission%20for%20UT%20of%20Jammu%20and%20Kashmir%20and%20UT%20of%20Ladakh%20(Grid%20Interactive%20Renewable%20Energy%20system%20and%20its%20related%20matters)%20(first%20amendment)%20Regulations,%202024.pdf">https://jercjkl.nic.in/pdf/Joint%20Electricity%20Regulatory%20Commission%20for%20UT%20of%20Jammu%20and%20Kashmir%20and%20UT%20of%20Ladakh%20(Grid%20Interactive%20Renewable%20Energy%20system%20and%20its%20related%20matters)%20(first%20amendment)%20Regulations,%202024.pdf</a>
The Draft Himachal Pradesh SERC (Rooftop Solar PV Grid Interactive System) (Third Amendment) Regulations, 2024	13.05.2024	<a href="https://hperc.org/new1/File1/drooftopsolar3-24.pdf">https://hperc.org/new1/File1/drooftopsolar3-24.pdf</a>

## Regulatory Updates from Southern Region

### Andhra Pradesh SERC Threshold Limit for the Development of Intra-State Transmission Projects under the Tariff Based Competitive Bidding Regulation 2024

Andhra Pradesh SERC notified “The Threshold Limit for the development of Intra-State Transmission Projects under Tariff Based Competitive Bidding Regulation, 2024 on 17.05.2024. Through this regulation the commission has fixed the threshold limit of above rupees Two Hundred and Fifty (250) Crores excluding land cost for the new Intra-state transmission project to be awarded under TBCB.

Further as per the regulation, prior approval of the commission shall be required with valid reason, if in case the STU intends to implement any Intra-State Transmission system above the threshold limit through a cost plus approach or implement any Intra-State transmission system below the Threshold limit through TBCB.

**For further details visit**

<https://aperc.gov.in/admin/upload/Regulation5of2024gazette.pdf>

### Draft Karnataka SERC (Framework for Resource Adequacy) Regulations, 2024

The "Karnataka SERC (Framework for Resource Adequacy) Regulations, 2024" notified on 14.05.2024 aims to ensure sufficient generation capacity to meet the growing electricity demand in Karnataka.

The primary objective is to implement a Resource Adequacy framework, which involves the planning of generation resources to reliably meet projected demand. This includes a mechanism for demand assessment and forecasting, generation resource planning, power procurement planning, and monitoring and compliance.

Key elements of the framework include:

1. **Demand Assessment and Forecasting:** These regulations involves detailed hourly or sub-hourly demand forecasts using comprehensive data, scientific tools, and probabilistic modelling to ensure accurate predictions for various scenarios.
2. **Generation Resource Planning:** This step ensures the availability of a judicious mix of long, medium, and short-term contracts to secure a reliable and cost-effective supply of electricity, avoiding over-reliance on the electricity market.
3. **Power Procurement Planning:** This involves developing strategic plans for procuring power to meet forecasted demand, ensuring that the supply is both sufficient and economically viable to support the growing needs of Karnataka.
4. **Monitoring and Compliance:** This ensures adherence to the reliability standards set forth in the framework, involving continuous oversight and adjustments to maintain the integrity and reliability of the electricity supply system.

**For further details visit**

[https://kerc.karnataka.gov.in/uploads/media\\_to\\_upload1715749105.pdf](https://kerc.karnataka.gov.in/uploads/media_to_upload1715749105.pdf)

### **Draft Tamil Nadu SERC (Framework for Resource Adequacy) Regulations, 2024**

Draft Tamil Nadu SERC (Framework for Resource Adequacy) Regulations, 2024 was notified on 13.06.2024 and is designed to ensure the reliable planning of generation and transmission resources to meet projected demand, adhering to specified reliability standards with an optimal generation mix.

This framework involves several key steps: demand assessment and forecasting, generation resource planning, transmission network planning, distribution network planning, procurement planning, and ongoing monitoring and compliance. It outlines the preparation of Medium-Term Distribution Resource Adequacy Plans (MT-DRAP) for up to five years and Short-Term Distribution Resource Adequacy Plans (ST-DRAP) for up to one year.

Distribution licensees are responsible for developing these plans following the regulations. Additionally, the framework requires collaboration between distribution licensees, State Transmission Utilities, and State Load Despatch Centres, which must provide necessary data and demand forecasts for up to ten years.

**For further details visit**

<http://www.tnerc.gov.in/PressRelease/files/PR-130620240319Eng.pdf>

## **Draft Tamil Nadu SERC (Grid Interactive Solar PV Energy Generating Systems) Regulations, 2024**

Tamil Nadu SERC (Grid Interactive Solar PV Energy Generating Systems) Regulations, 2024, was notified on 14.06.2024.

Key updates include the introduction of Group Net Metering (GNM) for domestic consumers and Virtual Net Metering (VNM) for government and local bodies, which support distributed solar generation. The regulation revises the criteria for connecting Grid Interactive Solar PV Energy systems (GISS) to distribution networks and power transformers, optimizing equipment capacity and performance. Simplified procedures for grid connectivity and metering, along with exemptions from feasibility studies for systems up to 10kW, streamline the process from application to commissioning.

Consumers now have the option to purchase their own meters, reducing delays, and the ambiguity surrounding export power accounting based on CUF (Capacity Utilization Factor) has been clarified. Additionally, inverters can exceed the contracted GISS capacity to accommodate future needs, and network charges for export power are waived. New provisions enable captive solar power use up to the contracted capacity, with options for dedicated feeders, improving billing transparency and addressing previous consumer complaints.

The regulation also incorporates detailed methods for billing and accounting across various net metering categories and encourages the use of battery storage for off-peak periods. To ensure safety and revenue protection, measures to prevent unauthorized GISS usage have been introduced.

### **For further details visit**

<http://www.tnerc.gov.in/PressRelease/files/PR-140620240812Eng.pdf>

## **Draft Tamil Nadu SERC (Terms and Conditions for Green Energy Open Access) Regulations, 2024**

The draft Tamil Nadu SERC (Terms and Conditions for Green Energy Open Access) Regulations, 2024 were notified on 13.06.2024.

The draft regulations adopt Banking charges of 8% of the banked energy. The draft also includes measures to support the installation of RE generating stations within Tamil Nadu, offering concessional transmission and wheeling charges only for intra-state transactions. For inter-state or power exchange transactions, these charges will not apply.

### **For further details visit**

<http://www.tnerc.gov.in/PressRelease/files/PR-130620240316Eng.pdf>

Notification	Date	Link
Joint SERC for the State of Goa and Union Territories (Procurement of Renewable Energy) (Fifth Amendment) Regulations, 2024	28.05.2024	<a href="http://jercuts.gov.in/writereaddata/UploadFile/254592_1129.pdf">http://jercuts.gov.in/writereaddata/UploadFile/254592_1129.pdf</a>
Karnataka SERC (Merit Order Despatch and Optimization of Power Purchase Cost) Regulations, 2024.	24.06.2024	<a href="https://kerc.karnataka.gov.in/uploads/media_to_upload1719476869.pdf">https://kerc.karnataka.gov.in/uploads/media_to_upload1719476869.pdf</a>
Andhra Pradesh SERC Green Energy Open Access Charges and Banking Regulation 2024	02.05.2024	<a href="https://aperc.gov.in/admin/upload/APERCGreenEnergyOpenAccessChargesandBankingRegulation2023Gazette.pdf">https://aperc.gov.in/admin/upload/APERCGreenEnergyOpenAccessChargesandBankingRegulation2023Gazette.pdf</a>

### Regulatory Updates from Eastern Region

Notification	Date	Link
Jharkhand SERC (Terms and Conditions for Green Energy Open-access) Regulations, 2024	09.05.2024	<a href="http://jserc.org/pdf/regulations/256_2_2024.pdf">http://jserc.org/pdf/regulations/256_2_2024.pdf</a>
Jharkhand SERC (Verification of Captive Generating Plants and Captive Consumers) Regulations, 2024	09.05.2024	<a href="http://jserc.org/pdf/regulations/258_2_2024.pdf">http://jserc.org/pdf/regulations/258_2_2024.pdf</a>
Jharkhand SERC (Group Net Metering and Virtual Net Metering) Regulations, 2024	09.05.2024	<a href="http://jserc.org/pdf/regulations/257_2_2024.pdf">http://jserc.org/pdf/regulations/257_2_2024.pdf</a>
Jharkhand SERC (Rooftop Solar PV Grid Interactive System and Net/Gross Metering) (Fourth Amendment) Regulations, 2024	13.06.2024	<a href="http://jserc.org/pdf/regulations/391_2_2024.pdf">http://jserc.org/pdf/regulations/391_2_2024.pdf</a>

### Regulatory Updates from Western Region

#### Fourth Amendment to Madhya Pradesh SERC (Terms and Conditions for Intra-State Open Access in Madhya Pradesh) Regulations, 2021

MP SERC notified Fourth Amendment to Terms and Conditions for Intra-State Open Access in Madhya Pradesh Regulations, 2021 on 31.05.2024.

The key highlights are:

- i. Additional surcharge shall not be applicable in case of green energy open access consumer, if the power from green energy open access is availed to the extent of his contract demand with Distribution Licensee and fixed charges thereof are paid to the Distribution Licensee.
- ii. No adjustment in maximum demand shall be given in case a person is availing power from open

access up to the extent of his contract demand with Distribution Licensee.

**For further details visit**

[https://mperc.in/uploads/regulation\\_document/ARG-24-I-iv-2024-English.pdf](https://mperc.in/uploads/regulation_document/ARG-24-I-iv-2024-English.pdf)

**Draft Gujarat SERC (Net Metering Rooftop Solar PV Grid Interactive Systems)  
(Fourth Amendment) Regulations, 2024**

GERC has released a draft of the fourth amendment to net metering regulations for rooftop solar photovoltaic (PV) systems on 18.05.2024. This amendment aims to facilitate the installation and integration of rooftop solar PV systems across Gujarat by introducing several procedural updates. One key provision requires distribution licensees to annually update the available capacity of distribution transformers for connecting rooftop solar PV systems. For installations up to 6 kW, the cost of necessary infrastructure strengthening will be included in the annual revenue requirement of the distribution licensee. However, for systems exceeding 6 kW, applicants will bear the system strengthening charges based on specified per kW rates.

For low tension (LT) consumers, system strengthening charges will apply to those installing rooftop solar PV systems above 6 kW and up to 100 kW, based on approved rates for new or additional low tension load release. High tension (HT) consumers face similar provisions for installations above 6 kW and up to 1,000 kW, with charges calculated per KVA according to approved rates for high-tension connections.

The procedural steps involve the issuance of a technical feasibility report (TFR) by the distribution licensee within a specific timeframe, detailing essential information such as building load, consumer name, transformer capacity and any necessary system strengthening. Applicants must receive 'In Principle' consent for connectivity and complete their projects within six months. If system strengthening is required, the distribution licensee must complete the necessary work within 15 days of receiving payment and executing the connectivity agreement. Upon project completion, applicants must submit documentation, including proof of solar PV system ownership, installation approval from the Chief Electrical Inspector, and compliance with IEC standards. Finally, the distribution licensee is responsible for installing the required meters, including solar meters and bidirectional/ABT meters for net metering.

**For further details visit**

<https://gercin.org/wp-content/uploads/2024/05/FINAL-Draft-on-GERC-Net-Metering-Rooftop-Solar-PV-Grid-Interactive-Systems-Fourth-Amendment-Regulations-2024.pdf>

**Maharashtra SERC (Framework for Resource Adequacy) Regulations, 2024**

MERC notified the Framework for Resource Adequacy Regulations, 2024 on 21.06.2024. The objective of these Regulations is to enable the implementation of Resource Adequacy framework by outlining a mechanism for planning of generation and transmission resources for reliably meeting the

projected demand in compliance with specified reliability standards for serving the load with an optimum generation mix.

The Resource Adequacy framework shall cover a mechanism for demand assessment and forecasting, generation resource planning, procurement planning, and monitoring and compliance.

**For further details visit**

[https://merc.gov.in/regulation\\_type/current-regulations-tariff-regulations/](https://merc.gov.in/regulation_type/current-regulations-tariff-regulations/)

**Joint SERC for the State of Goa and Union Territories (Standard of Performance for Distribution Licensees) (First Amendment) Regulations, 2024**

JERC for the State of Goa and Union Territories issued the Standards of Performance for Distribution Licensees (First Amendment) Regulations, 2024 on 18.06.2024.

The amendments introduce new indices that distribution licensees must use to measure their performance. These include:

- Customer Average Interruption Duration Index (CAIDI),
- Customer Average Interruption Frequency Index (CAIFI),
- Momentary Average Interruption Frequency Index (MAIFI),
- System Average Interruption Duration Index (SAIDI), and
- System Average Interruption Frequency Index (SAIFI)

Licensees are responsible for calculating and must report reliability performance indices and make this information available on their websites. Licensees must compensate affected consumers according to the regulations if they fail to meet specified performance standards. They are obligated to adjust bills to provide compensation within 90 days.

For new electricity connections, timelines are set at 3 days for Metro Cities, 7 days for Urban Areas, 15 days for Rural Areas, and 30 days for Rural Islands upon receipt of applications. Meter-related services include testing within 30 days of complaint, replacing burnt meters within 6 hours followed by permanent replacement within 15 days, and addressing defective meters within 15 days of detection.

Restoration times for power supply faults range from 4 hours to 48 hours depending on the nature and location of the issue. The regulations specify compensation amounts ranging from Rs. 40/- to Rs. 500/- per day or hour of delay. The process for providing temporary connections to consumers is streamlined, with a requirement for connections to be provided within 48 hours and through pre-paid meters.

**For further details visit**

[http://jercuts.gov.in/writereaddata/UploadFile/254713\\_1240.pdf](http://jercuts.gov.in/writereaddata/UploadFile/254713_1240.pdf)

## Joint SERC for the State of Goa and Union Territories (Procurement of Renewable Energy) (Fifth Amendment) Regulations, 2024

JERC issued the Procurement of Renewable Energy (Fifth Amendment) Regulations 2024 on June 6, 2024. This amendment introduces new definitions related to renewable energy, and outlines obligations for the procurement of power from different renewable energy projects, including wind and other renewable power projects commissioned after specific dates.

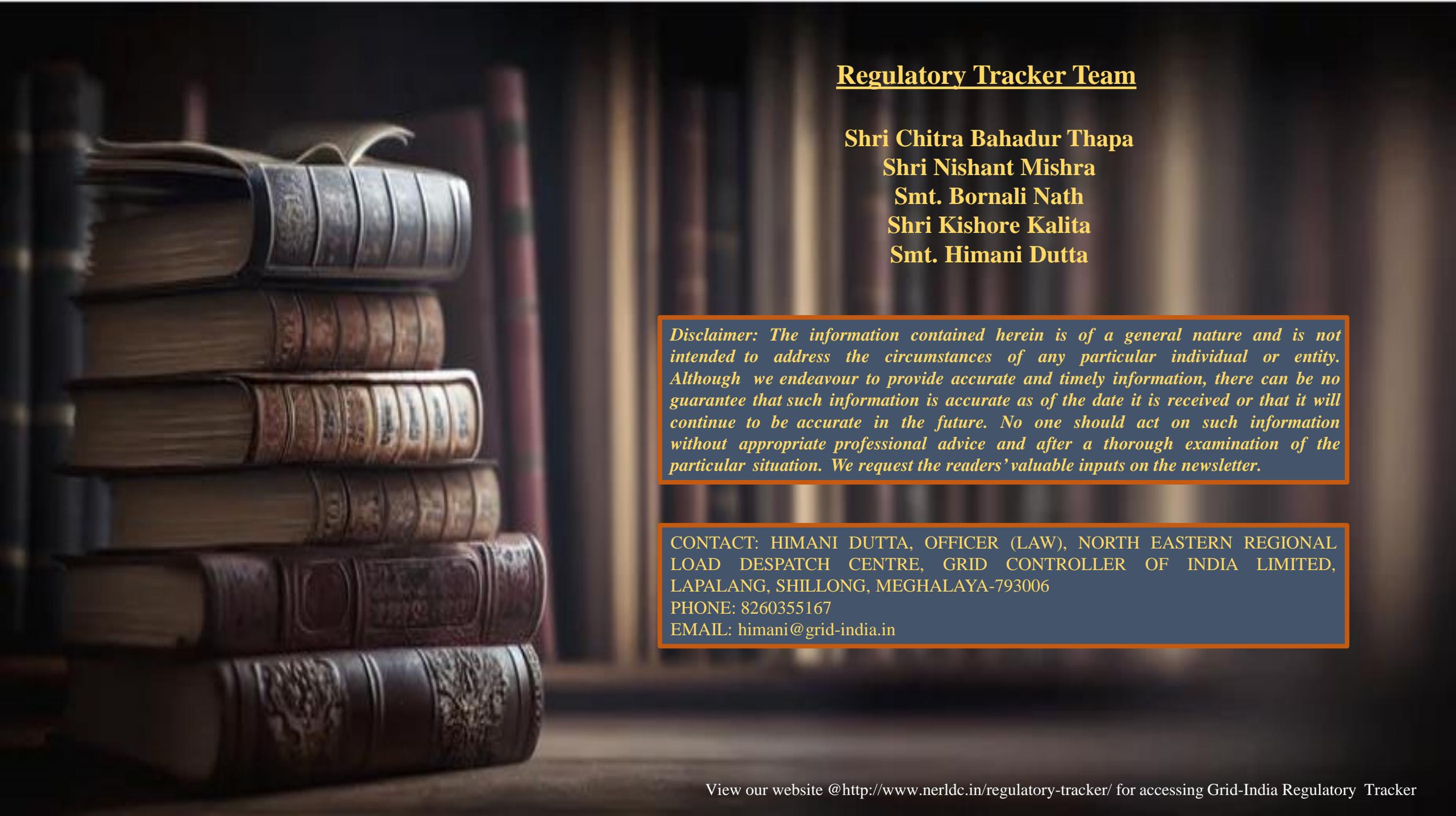
It includes Renewable Purchase Obligation (RPO) calculation in energy terms as a percentage of total electricity consumption, the mode and conditions for meeting Other RPO, Wind RPO, and Hydro Purchase Obligation (HPO). Also, new provisions are introduced for meeting distributed renewable energy RPO and obtaining “Green Certificates.” It mandates open access consumers and consumers with Captive Power Plants to meet their renewable energy obligations, irrespective of the non-fossil fuel source. The amended regulation establishes pricing for new renewable energy projects, aligning with CERC regulations or the tariff adopted. It also introduces provisions for the Cross-subsidy surcharge and its application for Green Energy Open Access Consumers and renewable energy sources. Also, it implies that non-compliance with the renewable purchase obligation or failure to purchase Renewable Energy Certificates may result in a directive to deposit a determined amount into a separate fund or incurring penalties as decided by the Commission.

### For further details visit

[http://jercuts.gov.in/writereaddata/UploadFile/254592\\_1129.pdf](http://jercuts.gov.in/writereaddata/UploadFile/254592_1129.pdf)

Notification	Date	Link
Chhattisgarh SERC (Terms and conditions for determination of generation tariff and related matters for electricity generated by plants based on renewable energy sources) (First Amendment) Regulations, 2024	28.06.2024	<a href="https://cserec.gov.in/upload/upload_regulation/03-07-2024_17199975981.pdf">https://cserec.gov.in/upload/upload_regulation/03-07-2024_17199975981.pdf</a>
Madhya Pradesh Electricity Supply Code 2021 (Third Amendment)	31.05.2024	<a href="https://mperc.in/uploads/regulation_document/ARG-1-II-iii-2024-English.pdf">https://mperc.in/uploads/regulation_document/ARG-1-II-iii-2024-English.pdf</a>
Madhya Pradesh Electricity Supply Code 2021 (Forth Amendment)	28.06.2024	<a href="https://mperc.in/uploads/regulation_document/MPERC-SUPPLY-CODE-2021-4th-AMD-ARG-1-II-iv-2024-English.pdf">https://mperc.in/uploads/regulation_document/MPERC-SUPPLY-CODE-2021-4th-AMD-ARG-1-II-iv-2024-English.pdf</a>
Second Amendment to Madhya Pradesh SERC (Methodology for determination of Open Access Charges and Banking Charges for Green Energy and Open Access Consumers Regulations, 2023	31.05.2024	<a href="https://mperc.in/uploads/regulation_document/AG-46-ii-2024-English.pdf">https://mperc.in/uploads/regulation_document/AG-46-ii-2024-English.pdf</a>
Madhya Pradesh SERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2024	28.06.2024	<a href="https://mperc.in/uploads/regulation_document/MPERC-RANSMISSION-MYT-TARIFF-Regulations-RG-28-V-2024-English.pdf">https://mperc.in/uploads/regulation_document/MPERC-RANSMISSION-MYT-TARIFF-Regulations-RG-28-V-2024-English.pdf</a>

Notification	Date	Link
Draft Maharashtra SERC (Grid Interactive Rooftop Renewable Energy Generating Systems) (Second Amendment) Regulations, 2024	23.05.2024	<a href="https://merc.gov.in/regulation_type/draft-regulations/">https://merc.gov.in/regulation_type/draft-regulations/</a>
Draft Maharashtra SERC (Electricity Supply Code and Standards of Performance of Distribution Licensees including Power Quality) Regulations, 2024	23.05.2024	<a href="https://merc.gov.in/regulation_type/draft-regulations/">https://merc.gov.in/regulation_type/draft-regulations/</a>
JERC for the State of Goa and Union Territories Draft (Electricity Supply Code) (Third Amendment) Regulations, 2024	May, 2024	<a href="http://www.jercuts.gov.in/writereaddata/UploadFile/draft%20electricity%20supply%20code(website).pdf">http://www.jercuts.gov.in/writereaddata/UploadFile/draft%20electricity%20supply%20code(website).pdf</a>
JERC for the State of Goa and Union Territories Draft (Solar PV Grid Interactive System based on Net Metering) (First Amendment) Regulations, 2024	May, 2024	<a href="http://www.jercuts.gov.in/writereaddata/UploadFile/20240527164559.pdf">http://www.jercuts.gov.in/writereaddata/UploadFile/20240527164559.pdf</a>



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