

Chhattisgarh State Electricity Regulatory Commission

Irrigation Colony, Shanti Nagar, Raipur (C.G.) – 492001

Raipur, Dated September 22, 2026

**Draft Chhattisgarh State Electricity Regulatory Commission (Grid
Interactive Distributed Renewable Energy Sources) (Third
Amendment) Regulations, 2026**

No. D-29/CSERC/2026 -In exercise of powers vested under Section 42, 61, 66, 86 read with Section 181 of the Electricity Act 2003 (36 of 2003) and all other powers enabling it in this behalf, the Chhattisgarh State Electricity Regulatory Commission (the Commission) made Chhattisgarh State Electricity Regulatory Commission (Grid Interactive Distributed Renewable Energy Sources) Regulations, 2019 (henceforth, CSERC DRE Regulations 2019 or the Principal Regulations) and its subsequent amendments for specifying the terms and conditions for distributed renewable energy projects in the State.

In a due course of time, there has been certain developments such as installation of battery energy storage system, concept of the behind the meter and other related new technologies have been evolved. During the course of implementation of DRE Regulations, feedbacks related to adjustment of surplus banked energy, treatment of expansion of existing projects have also been received from the stakeholders such as developers, licensees, load despatch centre. There has also been amendment in the Rules notified by the Central Government in the past, which also has implication in the DRE Regulations. In the past, the Commission in various orders in the petitions before it has also clarified various aspects of implementation of DRE Regulations. Based on these developments and experience in implementation of DRE Regulations, certain system friendly amendments are being done.

The Commission further take cognizance of the representations made by the distribution licensee, feedbacks received during the course of hearing of various cases and the communications by MoP, GoI related to best

practices in other States. The Commission while drafting these amendments has considered the grid situations during the solar hours, backing down of the thermal generating stations and peak hours power requirements by the distribution licensee.

In pursuance of the Principal Regulations and its subsequent amendments, the Commission hereby makes the following Regulations to amend the Principal Regulations.

1. Short Title and Commencement

- 1.1 These Regulations shall be called Chhattisgarh State Electricity Regulatory Commission (Grid Interactive Distributed Renewable Energy Sources) (Third Amendment) Regulations, 2026.
- 1.2 These Regulations shall come into force from the date of notification in the Chhattisgarh Rajpatra.

2. Substitution of definition 2.1 c)(a) for Regulation 2: Definitions & Interpretations

For definition 2.1 c(a) of Regulation 2 of the Principal Regulations which was amended by Second Amendments of the Principal Regulations, is now substituted with new definition, namely:-

2.1c)(a): "Banking Cycle" will be on monthly basis;

3. Insertion of new Regulation 2.1 c)(b) for Regulation 2: Definitions & Interpretations

New definition 2.1 c)(b) shall be added after definition 2.1 c) (a) of the Principal Regulations, namely:

c)(b): "Battery Energy Storage System" or "BESS" in relation to the electricity system, means a facility where electrical energy is converted into electrochemical energy which can be stored in rechargeable batteries, and subsequently discharged when needed;

4. Insertion of new Regulation 2.1 c)(c) for Regulation 2: Definitions & Interpretations

New definition 2.1 c)(c) shall be added in definition 2.1 (c) of the Principal Regulations, namely:

c)(c) :“Behind the Meter Project – grid connected” means the co-located IDRES projects having connectivity with the licensee’s network or connected to the network of other person with reverse power protection relay (RPR).

5. Insertion of new Regulation 2.1 c)(d) for Regulation 2: Definitions & Interpretations

New definition 2.1 c)(d) shall be added in definition 2.1(c) of the Principal Regulations, namely:

c)(d): “Behind the Meter Project – off-grid” means the co-located IDRES projects connected to the network of any person and not having connectivity with the licensee’s network.

6. Insertion of new regulation 7.5 for Regulation 7

Following Regulation 7.5 shall be added in Regulation 7 of the Principal Regulations, namely:

Notwithstanding anything contained in any Code or Regulations framed under the Electricity Act 2003, drawing entity having contract demand of 1 MVA and below shall be exempted from the telemetry requirements and requirements of RTU, till the time they are not covered under the provisions of Deviation Settlement Regulations notified by the Commission.

7. Substitution of sub Regulation(9) of Regulation 8

For sub Regulation (9) of Regulation 8 of the Principal Regulations, the following sub Regulation shall be substituted, namely:

8.9 The inverter shall have the features of filtering out harmonics and other distortions before injecting the energy into the system of the

distribution licensee. The Total Voltage Harmonic Distortion (VTHD) shall be within the limits specified in the Indian Electricity Grid Code (IEGC)/IEEE technical standards till the time Power Quality related Regulations are notified by the Commission. Thereafter, it will be governed by the Power Quality related Regulations notified by the Commission.

8. Insertion of new proviso for Sub Regulation 9.2 of Regulation 9

Following proviso shall be inserted in sub Regulation 9.2 of Regulation 9 of the Principal Regulations, namely:

Provided that inverter communication devices/dongles/data loggers having Machine-to-machine (M2M) SIM communication protocol can also be relied upon for real-time measurement and transmission of generation data in lieu of generation meter.

9. Substitution of sub Regulation (c) of Regulation 11

For sub Regulation (c) of the Regulation 11 of the Principal Regulation, the following sub Regulation shall be substituted, namely:

c) The distribution licensee shall procure any excess energy generated by PDRES at the end of the settlement period at the rate of Rs. 1.94 per kWh.

10. Insertion of new proviso for Regulation 13

Following proviso shall be inserted in Regulation 13 of the Principal Regulations, namely:

Provided further that the cost of strengthening of distribution infrastructure, including distribution transformers to facilitate the installation of the PDRES upto 5 KW shall be included in the revenue requirement of the distribution licensee.

11. Substitution of proviso in sub Regulation 2(b) of the Regulation 15

For sub Regulation 2(b) of Regulation 15 of the Principal Regulations, following proviso shall be substituted, namely:

b) In case of any deficiencies found in the application filed offline, the same shall be intimated by the distribution licensee within seven (7) days from the date of issuance of acknowledgement of the application.

12. Insertion of new regulation xiv for Regulation 16

Following Regulation xiv shall be added in Regulation 16 of the Principal Regulations, namely:

xiv. Electricity injected by prosumer from its PDRES, during 19:00 hrs to 24:00 hrs, shall be procured by distribution licensee at the rate of Rs. 8 per kWh. Such procurement shall be settled during the billing period.

13. Insertion of new proviso for sub Regulation 1 of Regulation 18

Following proviso shall be inserted after first proviso of sub Regulation 1 of Regulation 18 of the Principal Regulation, which was amended by first amendment, namely:

“Provided further that existing IDRES projects (which have already achieved COD) may also install BESS co-located with existing RE Project. This separate project shall be governed through the applicable Regulations at the time of COD of the separate project.”

14. Substitution of Second Proviso in sub Regulation 2 (a) of Regulation 18

For sub Regulation 2(a) of Regulation 18 of the Principal Regulations, which was amended by First Amendment Regulations, the following proviso shall be further substituted, namely:

“Provided further that in case of IDRES set up within the premises of the consumer, i.e., co-located with captive load, injection in any time block should not be more than contracted demand/load.”

15. Insertion of new proviso for sub Regulation 2 (a) of Regulation 18

Following proviso shall be inserted after proviso of sub Regulation 2(a) of Regulation 18 of the Principal Regulation, namely:

“Provided further that any expansion projects being added to the existing projects (which have already achieved COD) getting connected, after due approval, with the already existing plant shall be considered as a separate project and shall not be entitled for benefits prescribed to the existing projects as per the provisions in DRE Regulations and its subsequent amendments. This separate project shall be governed through the applicable Regulations at the time of COD.”

16. Substitution of sub Regulation (b) of Regulation 18.2

For sub Regulation (b) of the Regulation 18.2 of the Principal Regulations, the following sub Regulation shall be substituted, namely:

- b) All new IDRES projects, with an installed capacity of over 5 MW achieving CoD on or after April 01, 2027, co-located or distantly located with the load, seeking connectivity with licensees' network or network of any person in the State (excluding hydro projects) are mandated to install BESS (of at least 2 hours storage) for a minimum of 5% of the RE capacity.

Provided that RE based captive generating plants, achieving CoD on or after April 01, 2027, co-located or distantly located with the load, having capacity above 100% of contract demand, shall be required to install BESS for a minimum 20% of the additional capacity (of at least 2 hours storage) i.e., capacity beyond the 100% of the contract demand, in addition to the capacity of BESS as per above provision.

Illustrations

Illustration-1: for All new IDRES projects:

If a consumer having Contract Demand of 10.5MVA installs 10MW (AC) Solar PV Plant (100% of CD), in that case minimum capacity of BESS will be calculated as detailed below:

Minimum BESS Capacity = 10 MW x 5% x 2hours= 1MWh (1000 kWh)

Illustration-2: *for calculating BESS Capacity for Captive Generating Plant for Solar PV capacity above 100% of CD:*

If a consumer having Contract Demand of 10.5 MVA installs 25MW (AC) solar PV Plant, in that case minimum capacity of BESS will be calculated as detailed below:

BESS capacity for 10MW RE capacity (upto contract demand) =5% of the RE capacity =10 MW x 5% x 2hours= 1MWh (1000 kWh)

BESS capacity for additional 15MW RE capacity (above Contract Demand) =20% of the additional capacity (of at least 2 hours storage) RE captive plant

Additional BESS Capacity=15 x 20% x 2 Hours = 6MWh

Total Minimum BESS Capacity for 25MW RE Plant = 1MWh + 6MWh =7MWh.

17. Insertion of new sub Regulation 2 (c) of Regulation 18

Following Regulation 18.2(c) shall be added in sub Regulation 2 of Regulation 18 of the Principal Regulations, namely:

c) Simultaneous operation of PDRES and Behind the Meter -grid connected Solar PV projects is not permitted.

18. Insertion of new sub Regulation 2 (d) of Regulation 18

Following Regulation 18.2(d) shall be added in sub Regulation 2 of Regulation 18 of the Principal Regulations, namely:

18.2 (d) Banking of power with licensee for Behind the Meter -grid connected Solar PV projects shall not be permitted. However, power from the distantly located IDRES can be banked with either licensee or BESS installed at the consumer's premises.

19. Insertion of new proviso for sub Regulation 6(ii) of the Regulation 21

Following proviso shall be inserted in sub Regulation 6(ii) of Regulation 21 of the Principal Regulations, which was amended by second amendments, for upcoming IDRES projects, namely:

Permitted quantum of banked energy by the green energy open access consumers shall be up to 30% of the total monthly consumption of electricity from the distribution licensee by the consumers for the projects achieving COD from April 1st, 2027 onwards.

20. Insertion of new proviso for sub Regulation 6(iii) of the Regulation 21

Following proviso shall be inserted in sub Regulation 6(iii) of Regulation 21 of the Principal Regulations, which was amended by second amendments, for upcoming IDRES projects, namely:

Provided that banking charges @ 8% of banked energy shall be payable in kind for the projects achieving COD from April 1st, 2027 onwards. The banking year shall be from April to March.

21. Insertion of new proviso for sub Regulation 6(iv) of the Regulation 21

For sub Regulation 6(iv) of Regulation 21 of the second amendment Regulations, following proviso shall be inserted in column II related to upcoming IDRES projects (other than IDRES projects for first 500 MW or projects which have achieved COD by 27.12.2023, whichever is earlier.), namely:

Provided that for the projects achieving COD from April 1st, 2027 onwards, banked units redeemed during off-peak load period (09:00 hrs to 17:00 hrs or as specified in the applicable Tariff Order) shall not have any withdrawal charges. However, banked units redeemed during normal period (23:00 hrs to 09:00 hrs or as specified in the applicable Tariff Order) shall attract withdrawal charges in kind, which shall be 10% of energy drawn during this period and energy redeemed during peak load period (17:00 hrs to 23:00 hrs or as specified in the

applicable Tariff Order) shall attract peak withdrawal charges in kind, which shall be 30% of energy drawn during the peak load period.

22. Substitution of sub Regulation 6(v) of the Regulation 21

For sub Regulation 6(v) of Regulation 21 of the second amendment Regulations, following shall be substituted in column II related to upcoming IDRES projects (other than IDRES projects for first 500 MW or projects which have achieved COD by 27.12.2023, whichever is earlier.), namely:

21.6 (v) For captive use/ third party sale, energy injected into the grid from the date of synchronization till the open access approval date will be considered as deemed energy banked. For the purpose of this provision, the date of synchronization shall be considered as date of commercial operation (COD). Banked energy shall be allowed to carry forward in the next banking cycle after open access approval. If the banked energy still remains after such adjustments, it will be carried forward to the next banking cycle till the time entire such banked energy is redeemed.

23. Substitution of sub Regulation 6(vi) of the Regulation 21

For sub Regulation 6(vi) of Regulation 21 of the second amendment Regulations, following shall be substituted in column I related to IDRES projects for first 500 MW or projects which have achieved COD by 27.12.2023, whichever is earlier, namely:

21.6(vi) The unutilized banked energy/ surplus energy, if any, at the end of each banking cycle shall be deemed to be purchased by the distribution licensee in whose area the solar project is installed. The rate of purchase will be Rs. 1.94 per kWh by concerned distribution licensee and energy shall be accounted by the concerned distribution licensee towards compliance of its Renewable Purchase Obligation (RPO).

24. Insertion of new Regulation 21.12 for Regulation 21:

Following Regulation 21.12 shall be added in Regulation 21 of the Principal Regulations, which was amended by second amendments, namely:

21.12 Order dated 26.06.2024 issued in P No. 35 of 2024 and its related amendments, subsequent to these amendments in regulations, shall only be applicable for IDRES projects which are achieving COD by 31.03.2027.

25. Insertion of new Regulation 21.13 for Regulation 21

Following Regulation 21.13 shall be added in Regulation 21 of the Principal Regulations, which was amended by second amendments, namely:

21.13 Banking and Charges to be levied for Open Access for all new IDRES projects, with an installed capacity of over 5 MW achieving CoD on or after April 01, 2027 shall be as under;

- i. Transmission Charges - Nil for the first 7 years thereafter it shall be as specified in the tariff order applicable from time to time.
- ii. Wheeling Charges - Nil for the first 7 years thereafter it shall be as specified in the tariff order applicable from time to time.
- iii. Cross Subsidy Surcharges – Nil for the first 7 years thereafter it shall be as specified in the tariff order applicable from time to time.
- iv. Fees and Charges of SLDC - Nil for the first 7 years thereafter it shall be as specified in the tariff order applicable from time to time.
- v. Banking and Banking Charges –
 - a. Banking facility will be available for useful life period of the project.

- b. Banking shall be permitted at least on monthly basis on payment of charges to compensate additional cost for all captive and open access consumption. Permitted quantum of banked energy by the consumers availing green energy open access consumers shall be up to 30% of the total monthly consumption of electricity from the distribution licensee by the consumers.

Provided that the credit for the banked energy shall not be permitted to be carried forward to subsequent banking cycles and shall be adjusted during the same banking cycle.

- c. Banking charges @ 8% of banked energy shall be payable in kind. The banking year shall be from April to March.
- d. Banked units redeemed during off-peak load period (09:00 hrs to 17:00 hrs or as specified in the applicable Tariff Order) shall not have any withdrawal charges. However, banked units redeemed during normal period (23:00 hrs to 09:00 hrs or as specified in the applicable Tariff Order) shall attract withdrawal charges in kind, which shall be 10% of energy drawn during this period and energy redeemed during peak load period (17:00 hrs to 23:00 hrs or as specified in the applicable Tariff Order) shall attract peak withdrawal charges in kind, which shall be 30% of energy drawn during the peak load period.
- e. For captive use/ third party sale, energy injected into the grid from the date of synchronization till the open access approval date will be considered as deemed energy banked. For the purpose of this provision, the date of synchronization shall be considered as date of commercial operation (COD). Banked energy shall be allowed to carry forward in the next banking cycle after open access approval. If the banked energy still remains after such adjustments, it will be carried forward to

the next banking cycle till the time entire banked energy is redeemed.

- f. The unutilized banked energy/ surplus energy, if any, at the end of each banking cycle shall be deemed to be purchased by the distribution licensee in whose area the solar project is installed. The rate of purchase will be Rs. 1.94 per kWh by concerned distribution licensee and energy shall be accounted by the concerned distribution licensee towards compliance of its Renewable Purchase Obligation (RPO).
 - g. For Sale to distribution licensee, energy injected into the grid from date of synchronization to Commercial Operation Date (COD) will be purchased by the distribution licensee at the first year tariff of the project, as per the provisions of the PPA with distribution licensee.
- vi. Standby Charges - 125% of the energy charges applicable to the consumer tariff category as specified in the tariff order.
 - vii. Additional Surcharge - It will not be applicable being green energy open access consumers if fixed charges are being paid by such a consumer.
 - viii. Deviation Settlement Charges - Must-run status is awarded i.e., injection from the solar power projects with BESS shall be considered as deemed to be scheduled.

Notwithstanding anything contained in any regulation framed under the Electricity Act 2003, all IDRES projects with BESS shall not be subjected to scheduling and deviation settlement for commercial purpose. However, for grid operations scheduling shall be applicable.

By the Order of the Commission

Secretary