RAJASTHAN STATE ELECTRICITY REGULATORY COMMISSION
Notification
October, 2025

No. RERC/Secy./Reg./ …… - In exercise of powers conferred under Section 181 read with Sections 61, 66, 86(1)(e) of the Electricity Act, 2003 (Act 36 of 2003) and all other provisions enabling it in this behalf, the Rajasthan Electricity Regulatory Commission after previous publication, hereby makes the following Regulations for Grid Interactive Distributed Renewable Energy Generating Systems:

1. Short title, commencement and extent of application:

(1) These Regulations will be called the Rajasthan Electricity Regulatory Commission (Grid Interactive Distributed Renewable Energy Generating Systems) (Third Amendment) Regulations, 2025.

(2) These Regulations shall come into force from the date of their publication in the Official Gazette.

2. Amendment in Regulation 2:

(1) The existing sub regulation 2.1(j) shall be substituted with the following:

"(j) "Eligible Consumer" or "Participating consumer" means a consumer of electricity in the area of supply of the Distribution Licensee, who uses or proposes to use a Renewable Energy generating system, to offset all or part or no part of the consumer's own electrical requirements, given that such systems may be owned and / or, operated by such consumer or Distribution Licensee or RESCO".

(2) New definitions shall be added after sub regulations 2.1(cc) as under:

" 2.1(dd) Virtual net metering(VNM)" means an arrangement whereby entire energy generated / injected from a Renewable Energy System situated in single location or Battery Energy Storage System (BESS) charged through Renewable Energy System is exported to the grid from renewable energy meter/ gross meter and the energy exported is adjusted in more than one electricity service

connection(s) of participating consumers located within the same distribution licensee's area of supply;"

"2.1(ee) Group Net Metering (GNM)" means an arrangement whereby surplus energy generated / injected from a Renewable Energy System situated in single location or Battery Energy Storage System (BESS) charged through Renewable Energy System is exported to the grid through Net Meter and the exported energy is adjusted in more than one electricity service connection(s) of the same consumer located within the same distribution licensee's area of supply;

"2.1(ff) Lead Consumer" means the person who is himself a participating consumer and is nominated by other participating consumers under Virtual Net Metering for making all correspondence on their behalf with the Distribution Licensee.

Responsibilities of Lead Consumer:

- i. *He/she shall be a one of the participating consumers under Virtual Net Metering and be a signatory to Net Metering Agreement on behalf of participating consumers.*
- ii. *He/she shall act as a Nodal person for all correspondence with Distribution Licensee.*
- iii. *Any change in the Lead Person has to be communicated in writing with approval from all the participating consumers."*

3. Amendments in Regulation 3:

(1) The existing sub regulation 3.2 main provision shall be substituted with the following:

(a) Net Metering arrangements;

(b) Net Billing arrangements;

(c) Group Net Metering

(d) Virtual Net Metering

(e) Peer to Peer (P2P) Trading

(f)Grid Interactive Distributed Renewable Energy generating systems connected behind the meter and operating in parallel with Distribution Licensees' grid and who have not opted either for Net Metering arrangement or Net Billing arrangement or Virtual Net Metering or Group Net Metering:

(g) Plug and play solar system

(2) New provisos below existing provisos in sub regulation 3.4 shall be inserted as following:

"Provided also that, the consumer, who has opted for Net Metering arrangement, shall be allowed to enter into GNM or VNM only after termination of existing connection agreement.

Provided further that A prosumer having Net billing arrangement will not be entitled for virtual net metering or Group net metering arrangement under these Regulations."

4. Amendments in Regulation 4:

(1) The existing sub regulation 4.1 main provision shall be substituted with the following:

"4.1 The Distribution Licensee shall offer the provision of Net Billing arrangement, Net Metering arrangement, Group Net Metering or Virtual Net Metering to the Eligible Consumer, who intends to install Grid Interactive Distributed Renewable Energy generating system in its area of supply on nondiscriminatory and 'first come first serve' basis:"

(2) The existing sub regulation 4.2 shall be substituted with the following:

"Consumers having pending arrears with the Distribution Licensee shall not be eligible for Net Billing arrangement, Net Metering arrangement, Group Net Metering or Virtual Net Metering under these Regulations:

Provided that, where there is a dispute between the Distribution Licensee and the consumer, relating to any charge for electricity, such consumers shall be allowed Net Metering, Net Billing, Group Net Metering arrangement and Virtual Net Metering arrangement, pending such resolution of such dispute upon deposit of the disputed amount with the Distribution Licensee in accordance with Section 56 of the Act.

Provided further that, notwithstanding the pendency of arrears, Government connections, may be permitted conditional participation, subject to such arrangements and conditions as may be deemed fit to the Discoms."

5. Amendment in Regulation 5:

The words "Net Metering" shall be replaced with the words "Net Metering or GNM or VNM" in this regulation.

6. Amendments in Regulation 6:

(1) The existing sub regulation 6.2 shall be substituted with the following:

"The Distribution Licensee shall update the information about distribution transformer level capacity available for connecting Renewable Energy generating system under Net Billing arrangement, Net Metering arrangement, Group Net Metering or Virtual Net Metering on yearly basis and shall provide the information on its website."

7. Amendments in Regulation 7:

(1) In the existing sub regulation 7.1 & 7.3, the words "Net Billing arrangement or Net Metering arrangement" shall be replaced by the words "Net Billing arrangement, Net Metering arrangement, Group Net Metering or Virtual Net Metering".

(2) New sub regulation 7.7 shall be added as under:

"Open access shall be allowed to eligible consumers/ prosumers under Group Net Metering and Virtual Net Metering connections only for the purpose of wheeling of energy to the beneficiary consumers/ connections of the same consumer as the case may

be.

Third party sale shall not be allowed under Net Metering, Group Net Metering, Virtual Net Metering and Net Billing arrangements except for RESCO model permitted under these regulations.

In case of Virtual Net Metering or Group Net Metering connections, charges and losses shall be levied on the beneficiary consumers as specified in regulation 15 of these regulations."

8. Amendments in Regulations 8:

The existing sub regulation 8.8 shall be replaced with the following:

"For installation of Renewable Energy Generating systems, the technical feasibility study shall be completed within a period of fifteen days and the outcome of the study shall be intimated to the applicant, failing which it shall be presumed that the proposal is technically feasible.

Provided that the applications for Renewable Energy Generating systems up to 10 kW capacity under only Domestic Category, under Net Metering or Virtual Net Metering or Group Net Metering arrangement, complete in all respects shall be deemed to have been accepted without requiring technical feasibility study and any commensurate enhancement of the sanctioned load of the consumer, as may be required, shall be carried out by the Distribution Licensee. For connections falling under other than domestic category, no such facility of deemed feasibility shall be provided.

Provided also that for Virtual Net Metering or Group Net Metering , in the case of existing consumers or generating system already connected to the system, the technical feasibility study shall be completed within a period of fifteen (15) days and the outcome of the study shall be intimated to the consumers, failing which it shall be presumed that the proposal is technically feasible.

Provided further that for Virtual Net Metering or Group Net Metering, in case of new consumers or generating system seeking fresh connectivity, the technical feasibility study shall be completed within a period of thirty (30) days and the outcome of the study shall be intimated to the consumers, failing which it shall be presumed that the proposal is technically feasible.

Provided also that for Virtual Net Metering or Group Net Metering, connectivity to the consumer or generating system, shall be granted by the Distribution Licensee within thirty (30) days from the date on which the consumers or generating system is declared technically feasible or deemed technically feasible, as the case may be."

9. Amendment in Regulation 9.1 and 9.2:

The words "Net Metering" shall be replaced with the words "Net Metering or Group Net Metering or Virtual Net Metering" in this regulation.

10. Amendments in Regulation 10:

New sub regulation 10.15 shall be added as under:

"*10.15. The technical standards & power quality standards of BESS shall be as per Annexure - VII of these Regulations or any other standards as may be specified by CEA/Ministry of Power (MoP) from time to time.*"

11. Amendments in Regulation 12:

New sub regulation 12.6 (A) shall be added as under:

"Group and Virtual Net Metering arrangement:

12.6(A).1 The Eligible Consumer may install the Renewable Energy generating system under the Group Net Metering arrangement and Virtual Net metering arrangement specified in these Regulations, subject to following proviso that the system,

(a) shall be within the permissible technical limits as defined under these Regulations.

(b) shall operate safely in parallel with the Distribution Licensee's network.

Provided that Group Net Metering arrangement and Virtual Net Metering arrangement shall be applicable to all categories of the consumers."

12.6(A).2. Group Net Metering arrangement and Virtual Net Metering arrangement specified in these Regulations *through Renewable Energy Service Company (RESCO) owned Renewable Energy generating system or, Utility Led Aggregator developed or owned Renewable Energy generating system shall be permitted:*

Any land owner may lease out / rent the Rooftop Space/ Land/ Water bodies to a RESCO or Utility Led Aggregator on a mutual commercial arrangement for setting up Renewable Energy generating system under any arrangement specified in these Regulations. The Distribution Licensee shalll not have any role in such mutual commercial arrangement under RESCO mode.

12.6(A).3. The maximum Renewable Energy generating system capacity to be installed shall not exceed 100% of the cumulative Sanctioned Load/ Contract Demand of the participating consumers/connections:

"Provided that, the eligible Sanctioned Load/Contract Demand of the individual participating consumer/connection shall be allowed up to its Sanctioned Load/Contract Demand."

Provided that the capacity of Renewable Energy generating systems shall be in conformity with the provisions relating to Sanctioned Load/ Contract Demand permissible under the Rajasthan Electricity Regulatory Commission (Electricity Supply Code & Connected Matters) Regulations, 2021 and subsequent amendments thereto.

12.6(A).4. The capacity of Renewable Energy generating system to be installed under Virtual net metering or Group net metering shall be more than one kilo watt subject to the following conditions:

Provided that, the capacity of Renewable Energy generating system to be installed shall be up to one mega-watt under Virtual net metering or Group net metering arrangements specified under these Regulations:

Provided further that, in case the Eligible Consumer intends to install Renewable Energy generating system having capacity of more than one mega-watt, terms and *conditions of such arrangement shall be governed as per the Rajasthan Electricity Regulatory Commission (Terms and Conditions for tariff determination from Renewable Energy Sources) Regulations, 2020 and subsequent amendments thereof and RERC (Terms and Conditions for Green Energy Open Access) Regulations, 2025 and subsequent amendments thereof.*

Provided further that consumers having a contract demand of 100 kW or more and up to 1 MW may exercise an option to avail either Virtual Net Metering/Group Net Metering or Green Energy Open Access.

12.6(A).5. The maximum Renewable Energy generating system capacity to be installed at consumer premises under Group net metering arrangement shall also be subject to the cumulative capacity of the relevant Distribution Transformer, which has already been utilized, as specified in these Regulations.

12.6(A).6. HT (11 kV and above) Consumers opting for Group net metering, may install and connect such permitted Renewable Energy generating system under these regulations at their LT Bus Bar System:

Provided that, in such cases, the Net Meter shall be installed on the HT side of the Consumer's Transformer.

12.6(A).7. An eligible Consumer under Group net metering may install or enhance the capacity of, or upgrade the Renewable Energy generating systems after following due procedure and intimating the concerned Distribution Licensee:

Provided that, the total capacity of such systems within the same premises shall not exceed the capacity limits specified in these Regulations.

12.6(A).8. The Eligible Consumer who proposes to install a Renewable Energy generating system under Group net metering or Virtual net metering arrangement shall follow the procedures of application as specified in Regulation 8 and shall apply in the application form (Model form at Annexure – IV -C), which the Distribution Licensee shall notify on its website.

12.6(A).9. The Distribution Licensee and Eligible Consumer shall enter into a Connection Agreement for Group Net Metering arrangement or, Virtual Net Metering, after approval of connectivity of Renewable Energy generating system with the distribution network, but before the start of actual generation from the System as specified in Regulation 9. A model Virtual Net Metering Connection Agreement and Group Net Metering Connection Agreement is provided at Annexure-IV-D.

12.6(A).10. All Renewable Energy generating system and allied equipment installed under Virtual net metering arrangement and Group net metering arrangement will conform to the standards and requirements specified in Regulation 10.

12.6(A).11. All metering systems under Group net metering and Virtual net metering shall be as per the provision specified in Regulation 11 and CEA (Installation and Operation of Meters) Regulations, 2006 and subsequent amendments thereof.

Accounting for Group Net Metering:

12.6(A).12. In case of Group Net Metering, energy accounting and settlement shall be dealt with as under:

a) If the quantum of electricity exported by a consumer exceeds the quantum imported at the connection where Renewable Energy generating system is located during the Billing Period, the excess quantum shall be adjusted against the energy consumed in the monthly bill of service connection(s) in a sequence indicated in the priority list provided by the Consumer. The sequence of priority for adjustment shall be deemed to have begun with the *service connection where the Solar Project is located.*

b) The priority list for adjustment of the balance surplus energy against other electricity connection(s) may be revised by the participating consumer only once at the beginning of every financial year with an advance notice of two months;

c) If the adjusted excess quantum of electricity exceeds the quantum imported during the Billing Period of service connection(s) under Group Net Metering, the excess quantum shall be purchased by the Distribution Licensee as specified in Regulation 12.6.1 (a) with amendments thereof.

d) For Time of Day (ToD) Consumers: The quantum of electricity injection at renewable energy generating systems in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the quantum of electricity imported in the corresponding time blocks in the same billing cycle of the Consumer where renewable energy generating system is located, and any excess energy injected in any time block shall be adjusted against the energy drawl in the monthly bill of service connection(s) in a sequence indicated in the priority list provided by the Consumer, as if the excess Energy Credits occurred during the off peak time block for Time of Day (ToD) Consumers. The order of settlement of such excess energy injected shall be from the lowest tariff to highest tariff ToD time block.

e) Where the service connection, where Renewable Energy generating system is located, is disconnected due to any reason under any law for the time being in force, the unadjusted units/remaining credits of that consumer shall be paid by the Distribution Licensee at the end of the financial year and shall be subjected to settlement of any pending dues of that service connection as specified in Regulation 12.6.1 (a) with amendments thereof.

f) If the quantum of electricity Units imported by the Eligible Consumer during any Billing Period exceeds the *quantum exported/allocated, the net electricity consumption shall be treated according to the regulation 12.6.1(b), as amended from time to time.*

Accounting for Virtual Net Metering:

12.6(A).13. In case of Virtual Net Metering, the energy accounting and settlement shall be dealt with as under:

a) The energy generated from the Renewable Energy generating system shall be credited in the monthly electricity bill of each participating consumer(s) as per the ratio of procurement from Renewable Energy generating system indicated under the agreement/MoU entered on a stamp paper by the Consumer(s) and submitted to the Distribution Licensee;

b) The Consumer(s) shall have the option to change the share of credit of electricity from Renewable Energy generating system by submitting a fresh Agreement/MoU on a stamp paper only once at the beginning of the financial year with an advance notice of two months;

c) The commercial arrangement for setting up and operating Renewable Energy generating system under Virtual net Metering between the participating Consumer(s) will be mutually agreed and the Distribution Licensee will not have any role in such commercial arrangement.

For such consumer(s), if the adjusted excess quantum of electricity exceeds the quantum imported during the Billing Period for any participating Consumer under Virtual Net Metering, the excess quantum shall be purchased by the Distribution Licensee as specified in Regulation 12.6.1 (a) with amendments thereof.

d) For Time of Day (ToD) Consumers: The quantum of *energy generated at the renewable energy generating systems in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the quantum of electricity drawal in the corresponding time blocks in the same billing cycle of the Participating Consumer, as a ratio specified for each of the participating consumers. Any surplus generation over drawal in any time block in a billing cycle shall be accounted as if the surplus generation /energy credits occurred during the off-peak time block for Time of Day (ToD) Consumers. The order of settlement of such excess energy injected shall be from the lowest tariff to highest tariff ToD time block.*"

e) Where the service connection of any participating consumer(s) is disconnected due to any reason under any law for the time being in force, the unadjusted units/remaining credits of that consumer shall be paid by the Distribution Licensee at the end of the financial year and shall be subjected to settlement of any pending dues of the consumer(s) as specified in Regulation 12.6.1 (a) with amendments thereof;

f) If the quantum of electricity Units imported by the Eligible Consumer during any Billing Period exceeds the quantum exported/allocated, the net electricity consumption shall be treated according to the regulation 12.6.1(b), as amended from time to time.

12.6(A).14. In case of failure to meet the requirements under these Regulations, the Renewable Energy generating system or the Distribution Licensee, as the case may be, shall be liable to pay penalty as decided by the Commission from time to time."

12. Amendment in regulation 14.1

The words "Net Metering" shall be replaced with the words "Net Metering or Group Net Metering or Virtual Net Metering" in this regulation.

13. Amendments in Regulation 15:

(1) New sub regulation 15.4, 15.5, 15.6, 15.7 and 15.8 shall be added as under:

"Domestic Consumers (self owned and RESCO Owned) under VNM/GNM

15.4 The quantum of electricity generated from Renewable Energy generating system under Group Net Metering arrangement or Virtual Net Metering arrangement for domestic category consumer, shall be exempted from all charges viz banking charges, Transmission charges, Transmission losses, wheeling charges, wheeling losses, cross subsidy surcharge, and additional surcharge."

"Other than Domestic consumers (Self Owned) under VNM/GNM

15.5 For other than domestic category, the quantum of electricity generated from the self-owned Renewable Energy generating system under Virtual and Group Metering arrangement, if installed on Eligible Consumer premises, shall be exempted from banking charges, Transmission charges, Transmission losses, wheeling charges, cross subsidy surcharge, wheeling losses and additional surcharge.

Provided that the quantum of electricity generated from the self-owned Renewable Energy generating system under Virtual and Group Metering arrangement, if installed at other place, shall be exempted from banking charges, Transmission charges, Transmission losses, cross subsidy surcharge, and additional surcharge.

Provided also that, if the generating plant is installed at any other location, wheeling charges and losses shall be applicable at the rate equivalent to applicable voltage level and if the same is not determined, the wheeling charges and losses of 11 KV level shall be applicable till the same is determined.

Other than Domestic consumers (RESCO owned) under VNM/GNM

15.6 *The quantum of electricity generated from the RESCO-owned Renewable Energy generating system under Virtual and Group Metering arrangement other than domestic consumer, if installed on Eligible Consumer premises, shall be exempted from banking charges , Transmission charges, Transmission losses, wheeling losses and wheeling charges.*

Provided that the quantum of electricity generated from the RESCO-owned Renewable Energy generating system under Virtual and Group Metering arrangement other than domestic consumer, if installed at other place, shall be exempted from banking charges, Transmission charges and Transmission losses.

Provided also that, if the generating plant is installed at any other location, wheeling charges and losses shall be applicable at the rate equivalent to applicable voltage level and if the same is not determined, the wheeling charges and losses of 11 KV level shall be applicable till the same is determined.

Provided further that, cross subsidy surcharge and additional surcharge shall be applicable for such RESCO-owned Renewable Energy generating system under VNM/GNM, at the rate of 50% of cross subsidy surcharge and additional surcharge applicable for open access consumers.

Provided further that in case of consumer categories for which cross subsidy surcharge and additional surcharge has not been determined by the Commission, surcharge (cross subsidy plus additional surcharge), shall be applicable @ Rs 1.25/kWh for such category of consumers, till the same is revised by the Commission through a separate order.

Provided further that for Government connections availing supply under the Virtual Net Metering (VNM) or Group Net Metering (GNM) arrangements, whether under the self-owned or RESCO-owned model, no Cross Subsidy Surcharge or Additional Surcharge shall be applicable.

Waiver for Battery Energy Storage System

15.7 Provided that waiver of 75% of wheeling charges be made applicable for Virtual Net Metering or, Group Net Metering connections including RESCO owned systems, with capacity of 5% of BESS installed. For BESS beyond 5% of solar capacity will be eligible for extra exemption of additional 1% Wheeling charges on enhancement of each 1% capacity of storage system up to 30% capacity. BESS beyond 30% of solar capacity, will be exempted from 100% Wheeling charges.

Waiver of other charges

15.8 Notwithstanding anything contrary contained in these Regulations, the requirement of payment of application fee, security deposit and meter testing charges, for domestic category consumers installing plants under the Net Metering, Virtual Net Metering and Group Net Metering arrangement, shall stand waived off till the achievement of the target of five lakh houses, or such other target as may be specified by the State Government for rooftop solar installations in the State.

Provided that the requirement of execution of connection agreement, for domestic category consumers installing plants under Net Metering arrangement, shall stand waived off till the achievement of the target of five lakh houses, or such other target as may be specified by the State Government for rooftop solar installations in the State.

14. Amendment in regulation 17

(1) The words "Net metering systems" in regulation 17.1 shall be replaced with the words "Net metering, Group net metering systems and virtual Net Metering".

15. Amendment in regulation 19

Following new Regulation shall be added after regulation 19 as 19(A):

> *"19(A) The Commission may, by a separate order, implement Plug-and-Play Solar Systems and block chain based Peer-to-Peer (P2P) Trading, either suo-motu or upon filing of a suitable petition by the Distribution Licensees ."*

By Order of the Commission

Secretary