

Bhopal, the 14th March 2024

No.692/MPERC/2024 - In exercise of powers conferred under Section 61(h) and Section 86(1)(e) read with sub-section (I) and clause (zd) and (zi) of sub-section (2) of Section 181 of the Electricity Act, 2003 (No. 36 of 2003) the Madhya Pradesh Electricity Regulatory Commission, hereby revises the Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, 2022 notified on 14th July 2022 namely:-

**MADHYA PRADESH ELECTRICITY REGULATORY COMMISSION
(GRID INTERACTIVE RENEWABLE ENERGY SYSTEMS AND RELATED MATTERS)
REGULATIONS [Revision II], 2024 {RG- 39(II) of 2024}**

1. Short title, extent and commencement: -

- (1) These Regulations may be called the Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, [Revision-II], 2024 {RG- 39(II) of 2024}.
- (2) These regulations shall extend to the whole of Madhya Pradesh.
- (3) These regulations shall come into force from the date of their publication in the Official Gazette of Madhya Pradesh.

2. Definitions: -

(1) In these Regulations, unless the context otherwise requires, -

- (a) **“Act”** means the Electricity Act, 2003 (No. 36 of 2003);
- (b) **“Agreement”** means an agreement entered into by the Distribution Licensee and the prosumer or consumer;
- (c) **“Billing period”** means the period for which regular electricity bills as specified by the Commission, are prepared for different categories of consumers by the licensee;
- (d) **“Commission” or “MPERC”** means the Madhya Pradesh Electricity Regulatory Commission;
- (e) **“Consumer”** means a consumer as defined in the Act;
- (f) **“Contract demand” or “Sanctioned load”** means the maximum load in kilowatt (‘kW’) or kilovolt ampere (‘kVA’) or Horsepower (‘HP’), as the case may be, agreed to be supplied by the Distribution Licensee and contracted by the consumer as mentioned in the agreement (other than domestic and single phase non domestic consumers) as mentioned in the agreement or load sanctioned by distribution licensee in case of domestic and single phase non domestic consumers;
- (g) **“Distribution Licensee” or “Licensee”** shall mean a licensee authorized to operate and maintain a distribution system for supplying electricity to the consumers in his area of supply;
- (h) **“Electricity Supply Code”** means the Madhya Pradesh Electricity Supply Code, 2021 as amended from time to time;

- (i) **“Eligible Consumer”** means a consumer of electricity in the area of supply of the Distribution Licensee, who intends to use a renewable energy system in his premises, to offset all or part (in case of net metering arrangement and Group Net Metering arrangement) or no part (in case of gross metering arrangement and virtual net metering arrangement), of his electricity requirements, given that such systems can be self-owned or installed by a renewable energy service company (RESCO) leasing such system to the consumer subject to provisions of these Regulations;
- (j) **“Financial Year” or “Year”** means the period beginning from first day of April as per Gregorian Calendar year and ending with the thirty first day of the March of the next year;
- (k) **“Gross Metering”** means an arrangement under which total electricity generated from a Grid Interactive Renewable Energy Generating System installed at prosumer’s premises, is purchased by the Distribution Licensee at the discovered tariff as per the provisions laid down in these regulations and the Distribution Licensee raises the bills on the prosumer for his total consumption from the Distribution Licensee at the applicable Retail Supply Tariff, after giving credit for payment towards total electricity supplied to the Distribution Licensee by the prosumer;
- (l) **“Group Net Metering” or “GNM”** means an arrangement whereby surplus electricity generated from a Grid Interactive Renewable Energy System or Battery Energy Storage System (BESS) charged through Renewable Energy System installed in the premises of prosumer/parent consumer is exported to the grid through Net Meter and the exported electricity is adjusted in more than one service connections of the parent consumer and located within the same distribution licensee’s area of supply;
- (m) **“Interconnection Point for Net Metering and Group Net Metering arrangement”** means interface of Grid Interactive Renewable Energy generating system with the outgoing terminal of the meter in the premises of the prosumer for Net Metering & Group Net Metering;
- Provided that, in case prosumer(s) is/are connected at the High Tension (HT) level, the “Interconnection Point” shall mean the interface of the Renewable Energy Generating System (s) with the outgoing terminal of the Distribution Licensee’s metering equipment;
- (n) **“Interconnection Point for Gross Metering and Virtual Net Metering arrangement”** means the interface of the Renewable Energy Generating System with the incoming terminal of the meter in the premises of the prosumer;
- Provided that, in case prosumer is connected at the High Tension (HT) level, the “Interconnection Point” shall mean the interface of the Renewable Energy Generating System with the incoming terminal of the Distribution Licensee’s metering equipment;
- (o) **“Invoice”** means a Monthly Bill / Supplementary Bill, or a Monthly invoice / Supplementary invoice raised by the Distribution Licensee;
- (p) **“kWp”** means kilo Watt peak;
- (q) **“Net Metering”** means an arrangement under which a Renewable Energy Generating System with Net Meter installed in accordance with CEA (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, at a prosumer’s premises, delivers surplus electricity, if any, to the Distribution Licensee after setting off the quantum of electricity supplied by such Licensee during the

applicable Billing Period;

- (r) **“Obligated Entity”** means the entity mandated under clause (e) of Sub-Section (1) of Section 86 of the Act to fulfill the renewable purchase obligation and is identified under Madhya Pradesh Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy), (Revision-II) Regulations, 2021 as amended from time to time;
- (s) **“Parent Consumer”** means the consumer in whose premises a grid interactive renewable energy system or battery storage energy system charged through renewable energy system has been installed for the purpose of virtual net metering or group net metering of participating consumers in the same distribution licensee’s area;
- (t) **“Participating consumer” or “beneficiary”** means pre-identified consumer, who has given an undertaking as per regulation 6 (e) of these regulations and who avails exported energy of a Grid Interactive Renewable Energy System with or without Battery Energy Storage System (BESS), charged through Renewable Energy System under a VNM arrangement;
- (u) **“Participating Connections”** means service connection of parent consumer or beneficiary under GNM arrangements as per application submitted in form given at Annexure-5.
- (v) **“Premises”** means any land, building or structure or part thereof or combination thereof, wherein a separate meter or metering arrangement has been made by the licensee for measurement of electricity;
- (w) **“Prosumer”** means a person who consumes electricity from grid and can also inject electricity into the grid, using same point of supply, as applicable in case of net metering, group net metering, gross metering, and virtual net metering arrangement;
- (x) **“Renewable Energy Generation Meter”** means an energy meter installed in accordance with CEA (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, used for measuring the energy generated/injected by Renewable Energy generating system for the purpose of accounting and billing for gross metering, virtual net metering, net metering and group net metering arrangement and RPO compliance of distribution licensee, as the case may be;
- (y) **“Renewable Energy Generating System or Renewable Energy System”** means the Renewable Energy power system owned, leased and / or operated by a prosumer or RESCO that uses Renewable Energy for conversion into electricity with or without energy storage installed on the premises of such prosumer;
- (z) **“RESCO”** means a person or an entity, which is in the business of supplying electricity generated through renewable energy generating system installed in the premise of the prosumer on mutually agreed terms;
- (aa) **“Retail Supply Tariff Order”** in respect of a distribution licensee means the order issued by the Commission for that licensee to determine its tariff applicable to various categories of consumers for retail supply of electrical energy and services;
- (bb) **“Storage”** means energy storage system utilizing methods and technologies like Solid State Batteries or any other technologies, to store various forms of energy

and to deliver the stored energy in the form of electricity;

- (cc) **“Settlement Period”** “means the period at the end of which Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering arrangement’s settlement of the net credited units or the credited carried forward amount, as the case may be, between the Distribution Licensee and the prosumer takes place, generally beginning from the first day of billing month October as per Gregorian Calendar year and ending with the last day of billing month September of the next year; and
- (dd) **“Virtual Net Metering” or “VNM ”** means an arrangement whereby entire electrical energy generated from a Grid Interactive Renewable Energy System or Battery Energy Storage System (BESS) charged through Renewable Energy System installed on the premises of a prosumer/ parent consumer is exported to the grid from renewable energy meter/ gross meter and the electricity exported is adjusted in service connections of more than one participating consumer located within the same Distribution Licensee’s area of supply on mutually agreed terms.

Words and expressions which are not defined in these Regulations shall have the same meaning as assigned in the Act or in the other regulations/codes of the Commission. In case of any inconsistency between these Regulations and the Act, the meaning assigned to them in the Act shall prevail.

3. Scope and Application: -

1. These Regulations would apply to:
 - a. Net Metering Arrangement
 - b. Group Net Metering Arrangement
 - c. Gross Metering Arrangement
 - d. Virtual Net Metering Arrangement
2. These Regulations shall be applicable to all Grid Interactive Renewable Energy Generating Systems operating under Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement.

4. General Conditions of Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement: -

1. Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering, as the case may be, shall be permitted by the Distribution Licensee on a non-discriminatory and distribution transformer-wise ‘first come, first serve’ basis to the eligible consumers who intend to install a Renewable Energy Generating System connected to the Network of such Distribution Licensee:

Provided that the inter-connection of such system with the network of the Distribution Licensee shall be undertaken in accordance with the standards and norms specified in the Central Electricity Authority (CEA) (Technical Standard for Connectivity of the Distributed Generation Resources) Regulations, 2013, the CEA (Measures relating to Safety and Electric Supply). Regulations, 2023, and the Madhya Pradesh Electricity Grid Code 2021 as amended from time to time or as may be specified in future and as may be applicable.

2. The eligible consumers of all categories may install the Renewable Energy Generating System under the Net Metering Arrangement up to 500 (Five Hundred) kW capacity:

Provided that existing prosumers who are already availing the facility of

- Net Metering and have installed capacity above 500 (Five Hundred) kW shall continue to get the benefit of net metering facility under these Regulations.
3. The eligible consumers of all categories may install the Renewable Energy Generating System under the Group Net Metering Arrangement for less than 100 (Hundred) kW capacity.
 4. The eligible consumer of all categories may install the Renewable Energy Generating System under the Gross Metering Arrangement up to 1 (One) MW capacity.
 5. The eligible consumer of all categories may install the Renewable Energy Generating System under the Virtual Net Metering Arrangement for less than 100 kW capacity.
 6. A prosumer having net metering arrangement will not be entitled for gross metering and virtual net metering arrangement under these Regulations.
 7. A prosumer having gross metering arrangement will not be entitled for net metering and virtual net metering arrangement under these Regulations.
 8. The minimum size of the Renewable Energy Generating System that can be set up under Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering arrangement would be 1 (one) kW.
 9. The capacity of the Renewable Energy Generating System to be installed at the eligible consumer's premises under Net Metering Arrangement shall not exceed the Contract Demand (in case of demand-based tariff) or sanctioned load (in case of sanctioned load-based tariff) of the consumer, as applicable:

Provided that the capacity of the Renewable Energy Generating System to be installed at the eligible consumer's premises under Group Net Metering and Virtual Net Metering shall not exceed the sum of Contract Demands (in case of demand-based tariff) or sanctioned loads (in case of sanctioned load-based tariff) of the parent consumer and the participating consumers/connections, put together.
 10. Eligible consumers as well as participating consumers/connections with pending arrears with the Distribution Licensee shall not be entitled for Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement under these Regulations.
 11. The eligible consumers having Net Metering Arrangement or Gross Metering Arrangement under these regulations shall not be entitled to avail the facility of Open Access under MPERC (Terms and conditions for Intra-state open access in Madhya Pradesh), Regulations, (Revision -I), 2021 and subsequent amendments from time to time.
 12. The eligible parent consumers/ prosumers under Group Net Metering and Virtual Net Metering Arrangements under these regulations shall also not be entitled to avail the facility of Open Access under MPERC (Terms and conditions for Intra-state open access in Madhya Pradesh), Regulations, (Revision -I), 2021 and subsequent amendments from time to time:

Provided that wheeling of energy shall be allowed from parent consumer/ prosumer to the participating consumers in the manner and on payment of charges as specified in Regulation 16 and 17 of these regulations.

13. Third party sale (other than arrangement as mutually agreed between parent consumer and participating consumers) shall not be allowed under Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangements.
14. In case a Renewable Energy system whether self-owned or leased by a RESCO, is installed on prosumer premises under Net Metering arrangement or Gross Metering Arrangement, as the case may be, prosumer shall be exempted from banking charges, wheeling charges, cross subsidy surcharge and additional surcharge.
15. In case a Renewable Energy system whether self-owned or leased by a RESCO, is installed on prosumer premises under Group Net Metering arrangement, prosumer/ parent consumer and participating connection(s) shall be exempted from banking charges, cross subsidy surcharge and additional surcharge. Wheeling charges and losses shall be applicable only on participating connections(s) as per the voltage level of the participating connection(s).
16. In case a Renewable Energy system whether self-owned or leased by a RESCO, is installed on prosumer premises under Virtual Net Metering, prosumer/ parent consumer and participating consumer(s) shall be exempted from banking charges. Cross subsidy surcharge, additional surcharge (if applicable as per the provisions of MPERC (Methodology for determination of Open Access Charges and Banking Charges for Green Energy and Open Access Consumers) Regulations, 2023 as amended), Wheeling charges and losses shall be applicable only on participating consumer(s) as per voltage level of the participating consumer(s).
17. In case of Group Net Metering and Virtual Net Metering connections, voltage wise losses as determined under Retail Consumer Supply Tariff Order of Commission in force shall be applicable on wheeled energy prior to crediting it into account of participating consumers. Wheeling charges, cross subsidy surcharge, additional surcharge (if applicable), as the case may be, shall be applicable on the participating consumers/connections as determined under Retail Consumer Supply Tariff Order of Commission in force.

5. Capacity of Distribution Transformer: -

The Distribution Licensee shall update distribution transformer level capacity available for connecting Renewable Energy Systems under Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement, as the case may be, on yearly basis and shall provide the information on its website in the format as specified under **Annexure-1**;

Provided that the cumulative capacity of Renewable Energy Systems allowed at a particular distribution transformer of Distribution Licensee shall not exceed 80% of the rated capacity of the distribution transformer;

Provided further that in case of HT consumer, the installed capacity of the Renewable Energy system under Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement shall not be more than 80% of the rated capacity of the transformer of the Distribution or Transmission Licensee, as the case may be, catering supply to such consumer.

6. Processing of application and application fee: -

The Distribution Licensee shall facilitate the process for setting up of RE generation system at consumers' premises or outside the premises as the case may be. In this regard,

the licensee shall,

- a. Create an online portal for receiving applications from applicant for installation, interconnection and metering of distributed Renewable Energy systems or devices, at their premises, and update the same on a regular basis.
- b. Prominently display on its website and in all its offices, the following namely: -
 - i. Standardized procedure in detail for installation and commissioning of Renewable Energy system;
 - ii. a single point of contact to facilitate the consumers in installation of Renewable Energy system from submission of application form to commissioning;
 - iii. address and telephone numbers of offices where filled-up application forms can be submitted;
 - iv. Complete list of documents required to be furnished along with such applications;
 - v. applicable charges to be deposited by the applicant;
 - vi. empaneled list of service providers for the benefit of consumers who want to install Renewable Energy system through service providers; and
 - vii. financial incentives to the consumers, as applicable under various schemes and programs of the Central and State Governments and web links, if any thereof.
- c. The Distribution Licensee shall make the soft copy of the application form available on its website and hard copy of application form at its local field level offices.
- d. The prosumer shall submit the application to connect its Renewable Energy System to the distribution system of the Licensee for approval of net metering, gross metering, group net metering or virtual net metering connections in the specified form as per **Annexure-2 to Annexure-5** appended with the Regulation along with processing fee of Rs. 1000 (Rupees One Thousand Only) at the concerned office of the Distribution Licensee or online through Web portal of Distribution Licensees.
- e. In case of group net metering or virtual net metering arrangement, an undertaking as per **Annexure-6** or **Annexure-8** respectively shall also has to be furnished for all the participating consumers/connections of group net metering and virtual net metering.
- f. In case the application form is submitted in hard copy, it will be received and acknowledged with the registration number for that application shall be generated and intimated to the applicant immediately. The hard copy shall be scanned and uploaded on the website as soon as it is received. In case, the application form is received online through web portal of the Distribution Licensee, the acknowledgement with the registration number shall be generated on submission of application. Application shall be deemed to be received on the date of generation of acknowledgement with registration number; and the application tracking mechanism based on the unique registration number shall be provided by the Distribution Licensee through web-based application or any other mode to monitor the status of processing of the application like receipt of application, site inspection, meter installation and commissioning etc.
- g. The Distribution Licensee shall complete the technical feasibility study within 20 days, and communicate the sanction/rejection of the application to the applicant through email/SMS/post, as the case may be, along with the estimated amount to be deposited and copy of agreement to be executed by the consumer/ RESCO:

Provided that for installation of roof top solar photo voltaic systems,

Distribution Licensee shall complete the technical feasibility study within 15 days and communicate to the applicant the sanction/rejection of the application to the applicant through email/SMS/post, as the case may be, along with the estimated amount to be deposited and copy of agreement to be executed by the consumer/ RESCO:

Provided further that in case of installation of roof top solar photo voltaic systems, if the Distribution Licensee fails to communicate the outcome of technical feasibility within stipulated period of 15 days, application for net metering shall be deemed to be accepted by the Distribution Licensee. The Distribution Licensee shall prepare a detailed standard operating procedure (SOP) within 30 days from the date of notification of these Regulations and upload the same on its portal prominently, for providing connectivity to roof top solar photo voltaic system for which application is considered deemed accepted.

- h. On receipt of full payment, the Distribution Licensee shall approve the application and intimate the same to the applicant by providing a Letter of Approval (LoA) via email/SMS/post, within thirty (30) days from the issuance of acknowledgement of the application:

Provided that the applications for the roof top solar photo voltaic systems upto 10 kW capacity complete in all respect shall be deemed to have been accepted without requiring technical feasibility study and Distribution Licensee shall complete formalities of commensurate enhancement of the sanctioned load/contract demand simultaneously for which a detailed standard operating procedure (SOP) shall be prepared by the Distribution Licensee within a period of 30 days from the date of notification of these Regulations and uploaded the same on its portal prominently:

Provided also that during the time period from the feasibility study or the deemed acceptance till the completion of installation of solar photo voltaic systems, in case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, and the like for installation of the required capacity of solar solar photo voltaic systems, the same shall be carried out by the Distribution Licensee or applicant as the case may be, in accordance with Madhya Pradesh Electricity Regulatory Commission (Recovery of Expenses and other Charges for providing Electric Line or Plant used for the purpose of giving Supply) Regulations (Revision-I) 2009 and its subsequent amendments and revisions:

Provided also that the cost of strengthening the distribution infrastructure, including distribution transformer, as necessary, to facilitate the installation of solar photo voltaic systems up to a capacity of 5 kW shall be included in the annual revenue requirement of the Distribution Licensee.

- i. After installation of Renewable Energy system, other than solar photo voltaic systems, the parent consumer / prosumer / RESCO shall submit the installation certificate to the Distribution Licensee. The licensee shall complete signing of connection agreement, installation of meter and successful commissioning of the Renewable Energy system within thirty days from the date of submission of the installation certificate:

Provided that in case of solar photo voltaic systems, after submission of installation certificate by the parent consumer / prosumer / RESCO to the Distribution Licensee, the Distribution Licensee shall complete signing of connection agreement, installation of meter and successful commissioning of the solar photo voltaic systems within fifteen days from the date of submission of installation certificate.

Formats of connection agreement and installation certificate shall be placed on web

portal of the Distribution Licensee within the thirty days of notification of these Regulations.

- j. Prosumer shall have the option of purchasing the requisite meter as per the specifications of Licensee, himself, which shall be tested and installed by the Distribution Licensee.
- k. The timelines as specified above in these Regulations shall be adhered to by the Distribution Licensee. In case of delay, the Licensee may take approval from the Commission in specific cases along with justification for the same.
- l. In case of any delay on the part of Distribution Licensee without any just cause, the Licensee shall be liable to pay compensation to the consumer at a rate of Rs. 500 (Rupees five hundred only) per day for each day of default.
- m. The Distribution Licensee shall pass on the financial incentives to the prosumers, as maybe provided under various schemes and programs of the Central and State Governments.
- n. In case of any billing dispute, the consumer/prosumer may approach to the Electricity consumer Grievance Redressal Forum of the Concerned Distribution Licensee.

7. Interconnection with the Grid: -

1. The Distribution Licensee shall ensure that the inter-connection of the Renewable Energy Generating System with its Network conforms to the specifications, standards and other provisions specified in the CEA (Technical Standard for Connectivity of the Distributed Generation Resources) Regulations, 2013, the CEA (Measures relating to Safety and Electric Supply), Regulations, 2023, and the Madhya Pradesh Electricity Grid Code 2021 or as may be specified in future.
2. The prosumer or the RESCO, who installs Renewable Energy generating system, shall be responsible for meeting connectivity requirements at his end as per Regulations and also for the safe operation, maintenance, and rectification of defect of its system up to metering arrangement beyond which, the responsibility of safe operation, maintenance and rectification of any defect in the system shall rest with the Distribution Licensee.
3. The Distribution Licensee shall have the right to disconnect the renewable energy system at any time in the event of threat/damage from such renewable energy system to its distribution system to prevent any accident or damage, without any notice. The Distribution Licensee may call upon the prosumer or RESCO to rectify the defect within a reasonable time.
4. The renewable energy system must be capable of detecting unintended islanding conditions. The system must have anti-islanding protection to prevent any feeding into the grid in case of failure of supply or grid. Applicable IEC/IEEE technical standards shall be followed to test islanding prevention measures for grid connected inverters.
5. The prosumer may install Grid Interactive Renewable Energy System with or without battery backup:

Provided that, if a prosumer opts for connectivity with storage, the inverter shall have appropriate arrangement to prevent the power from flowing into the grid in the absence of grid supply, and that in such case an automatic as well as manual isolation switch shall also be provided.

6. Every renewable energy system shall be equipped with an automatic synchronization device.
7. The inverter shall have the features of filtering out harmonics and other distortions before injecting energy into the system of the Distribution Licensee. The Total Voltage Harmonic Distortion (THD) shall be within the limits specified in the Indian Electricity Grid Code (IEGC)/IEEE technical standards.

8. Energy Accounting and Settlement: -

8A. Net Metering Arrangement: -

1. The Distribution Licensee shall undertake meter reading of the bi-directional meter, for all prosumers, according to the regular billing period.
2. For each Billing Period, the Distribution Licensee shall make the following information available on its bill to the prosumer:
 - a. Quantum of electricity injected by RE system in the grid in the billing period, showing opening and closing balance;
 - b. Quantum of electricity supplied by the Distribution Licensee in the billing period, showing opening and closing balance;
 - c. Quantum of Net billed electricity;
 - d. Excess electricity carried forward from the last billing period;
 - e. Excess electricity carried forward to the next billing period; and
 - f. Units used by the Distribution Licensee for RPO compliance.
3. The energy exported by the Renewable Energy Generating System shall be offset against the energy consumption of the prosumer from the Distribution Licensee in the following manner:
 - a. If the quantum of electricity units exported exceeds the quantum imported during the Billing Period, the excess quantum of electricity units shall be carried forward to the next Billing Period as credited units of electricity;
 - b. If the quantum of electricity units imported by the prosumer during any Billing Period exceeds the quantum of electricity units exported, the Distribution Licensee shall raise its invoice for the electricity consumption after adjusting the credited units:

Provided that in case, where the prosumer is under the ambit of time-of-day tariff, the electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity exported in the same time block. Any cumulative excess exported electricity over and above the consumption in any other time block in a billing period shall be accounted as if the excess exported electricity occurred during the off-peak time block:

Provided further that the imported units under sub-clauses 3(a), 3(b) and 3(c) of clause 8(A) of regulation 8, shall satisfy the minimum charges based on consumption, of the Retail Supply Tariff order for the respective category of consumer, else charges determined for minimum charges based on consumption, in Retail Supply Tariff order shall be applicable.

4. The amount towards unadjusted net credited units of electricity at the end of settlement period shall be payable by the Distribution Licensee by 15th November of the current financial year, at the rate equal to the lowest tariff rate discovered in the solar/ wind bidding, as the case may be, for the State of Madhya Pradesh in the preceding Financial Year. In case no rate is discovered in the preceding financial year, the lowest tariff rate discovered in the latest previous Financial Year shall be considered:

Provided that in case of Renewable Energy Plants other than wind or solar, the applicable rate shall be Average Power Purchase Cost as determined by the Commission for renewable energy for such period in its Retail Supply Tariff Order for Distribution Licensee:

Provided further that at the beginning of each Settlement Period, the cumulative quantum of injected electricity carried forward will be re-set to zero.

5. In cases where the Fixed Charges are computed based on consumed units as per Retail Supply Tariff Order, the Fixed Charges shall be computed based on electricity units imported from the Grid.
6. The Distribution Licensee in addition to consumer tariff shall be eligible to raise invoice for any other charges as allowed by the Commission and any tax/duty/cess imposed by the Government on the net billed units.
7. The prosumer whose entitlement as a consumer of the Licensees is ceased or he is not settling his dues to the licensee, shall not be entitled to receive due amount of the adjustment/credit till the time past dues and other charges as applicable are paid.
8. In case of any dispute in billing it shall be settled under the provisions of Madhya Pradesh Electricity Regulatory Commission (Establishment of Forum and Electricity Ombudsman for redressal of grievances of the consumers) (Revision - II) Regulations, 2021 as amended from time to time.
9. An illustrative example for energy accounting and settlement under net metering arrangement is provided as **Annexure-7**.

8B Group Net Metering

1. The Distribution Licensee shall undertake meter reading of the Renewable Energy Generation Meter/Net Meter of parent consumer and the Consumer Meters for all participating connections, according to the regular billing period.
2. For each Billing Period, the Distribution Licensee shall make the following information available on its bills to the parent consumer and its connections:
 - a) Quantum of electricity generated/injected by RE system in the grid in the billing period, showing opening and closing balance in the parent consumer's bill;
 - b) Quantum of energy deducted on account of losses from wheeled energy;
 - c) Quantum of electricity adjusted out of total energy injected by the RE System in the grid in the billing period as per priority and ratio declared by consumer in each participating connection's bill showing opening and closing balance;
 - d) Quantum of electricity supplied by the Distribution Licensee in the billing period, showing opening and closing balance for all the connections;
 - e) Quantum of net billed electricity;
 - f) Excess electricity carried forward from the last billing period;
 - g) Excess electricity carried forward to the next billing period; and
 - h) Units used by the Distribution Licensee for RPO compliance only in parent consumer's bill.

3. The energy exported by the Renewable Energy Generating System under GNM arrangement shall be offset against the energy consumption of the prosumer and participating connections of the same prosumer from the Distribution Licensee in the following manner:

a) If the quantum of electricity units imported by the prosumer during any Billing Period exceeds the quantum of electricity units exported, the Distribution Licensee shall raise its invoice for the electricity consumption after adjusting the credited units to prosumer:

b) In case, where the parent consumer is under the ambit of time-of-day tariff, the electricity consumption of the parent consumer in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity exported in the same time block. Any cumulative excess export over and above the consumption in any other time block in a billing period shall be accounted as if the excess export occurred during the off-peak time block:

c) If the quantum of electricity units exported exceeds the consumption of the parent consumer during the Billing Period, the excess quantum of electricity units exported to grid shall be considered for adjustment against consumption of participating connections of same parent consumer in the same billing period:

Provided that the electricity consumption of the participating connections shall first be adjusted with the electricity exported by the RE System in the same billing period of the participating connections in the priority and ratio provided in the GNM Agreement. Any surplus generation/ export over consumption in a billing period shall be accounted in the same billing period as if the surplus generation / energy export has occurred during the off-peak time block for ToD connections and any time block for non-ToD connections.

Provided further that in case the quantum of electricity units exported and allocated to the participating connection(s) exceeds the quantum imported by the participating connection(s) during the same Billing Period, the excess quantum of electricity units shall be carried forward to the next Billing Period of the participating connection(s) as credited units of electricity:

Provided also that the carried forward units of electricity shall be adjusted against the consumption in off-peak-hours in case the participating connection is under time-of-day tariff:

Provided also that the net imported units/consumptions of parent and participating connections shall satisfy the Minimum Charges based on Consumption, of the Retail Supply Tariff order for the respective category of consumer, else charges determined for minimum energy charges criteria or Minimum Charges based on Consumption, as the case may be, in Retail Supply Tariff order shall be applicable.

d) The parent consumer shall have the option to change the share of credit of electricity from RE System among its participating connections and also addition or deletion of participating connections indicated under the group net metering agreement once in the financial year with advance notice of 1 month.

4. The electricity supplied by the Distribution Licensee during the billing period shall be billed as per the tariff schedule for respective category of consumer and the terms and

conditions of the Retail Supply Tariff Order read with provisions under the Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time:

Provided that the Distribution Licensee shall also be eligible to raise invoice for any other charges as allowed by the Commission and any tax/duty/cess imposed by the Government.

5. The Distribution Licensee shall prepare a net bill comprising of the amount payable by parent consumers/Participating connections as per Regulation 8B (2) to (4) above for each billing period:

Provided that if the net bill amount for a billing period is payable by the parent consumer against own connection and other participating connections, then the same shall be paid by them within the due date of the bill.

6. The amount towards unadjusted net credited units of electricity at the end of settlement period shall be payable by the Distribution Licensee by 15th November of the current financial year, at the rate equal to the lowest tariff rate discovered in the solar/ wind bidding, as the case may be, for the State of Madhya Pradesh in the preceding Financial Year. In case no rate is discovered in the preceding financial year, the lowest tariff rate discovered in the latest previous Financial Year shall be considered:

Provided that in case of Renewable Energy Plants other than wind or solar, the applicable rate shall be Average Power Purchase Cost as determined by the Commission for such period in its Retail Supply Tariff Order for Distribution Licensee:

Provided further that at the beginning of each Settlement Period, the cumulative quantum of injected electricity carried forward will be re-set to zero.

7. In cases where the Fixed Charges are computed based on consumed units as per Retail Supply Tariff Order, the Fixed Charges shall be computed based on electricity units imported from the Grid.
8. Where any participating connection is disconnected due to any reason under any law for the time being in force, the unadjusted units/ remaining credits of that connection shall be paid by the distribution licensee at the end of the settlement period in each financial year.
9. The prosumer / participating connection of the same prosumer whose entitlement as a consumer of the licensees is ceased or he is not settling his dues with the licensee, shall not be entitled to receive due amount of the adjustment/credit till the time past dues and other charges as applicable are paid.
10. In case of any dispute in billing, it shall be settled under the provisions of the Madhya Pradesh Electricity Regulatory Commission (Establishment of Forum and Electricity Ombudsman for redressal of grievances of the consumers) (Revision-II) Regulations, 2021 as amended from time to time.

8C Gross Metering Arrangement: -

1. The Distribution Licensee shall undertake meter reading of both, the Renewable Energy Generation Meter and the Consumer Meter, for all prosumers, according to the regular billing period.
2. For each Billing Period, the Distribution Licensee shall make the following information available on its bill to the prosumer:

- a. Quantum of electricity generation recorded by the renewable energy generation meter of the RE System in the billing period, showing opening and closing balance;
 - b. Quantum of electricity units consumed by the prosumer from licensee's system in the billing period, showing opening and closing balance;
 - c. Credited amount towards payment of energy supplied to the distribution licensee, if any, in the billing period, showing opening and closing balance; and
 - d. Units from Renewable Energy generation used by the Distribution Licensee for RPO compliance.
3. The Distribution Licensee shall purchase entire power generated from the renewable energy generating system at the rate equal to the lowest tariff rate discovered in the solar/wind bidding, as the case may be, for the State of Madhya Pradesh in preceding Financial Year. In case no rate is discovered in that financial year, the lowest tariff rate discovered in the latest previous financial year shall be considered:
- Provided that in case of Renewable Energy Plants other than wind or solar, this rate shall be the applicable Average Power Purchase Cost as determined by the Commission for such period in its Retail Supply Tariff Order for Distribution Licensee in force.
4. The energy supplied by the Distribution Licensee during the billing period shall be billed as per the tariff schedule for respective category of consumer and the terms and conditions of the Retail Supply Tariff Order read with provisions under the Madhya Pradesh Electricity Supply Code, 2021, as amended from time to time:
- Provided that the Distribution Licensee shall also be eligible to raise invoice for any other charges as allowed by the Commission and any tax/duty/cess imposed by the Government.
5. The Distribution Licensee shall prepare a net bill comprising of the amount payable by Distribution Licensee as per Regulation 8C (3) above and amount payable by prosumer as per Regulation 8C (4) above for each billing period:
- Provided that if the net bill amount for a billing period is payable by the prosumer, then the same shall be paid by the prosumer within the due date of the bill:
- Provided further that if the net bill amount for a billing period is payable by Distribution Licensee, then the same shall be carried forward in the bill for next billing period as credited amount. No interest shall be payable by Distribution Licensee on such credited carried forward amount.
6. At the end of each Settlement Period, the credited carried forward amount payable by the Distribution Licensee, shall be paid to the prosumer latest by the 15th November of the current Financial Year.
7. The prosumer whose entitlement as a consumer of the licensees is ceased or he is not settling his dues with the licensee. shall not be entitled to receive due amount of the adjustment/credit till the time past dues and other charges as applicable are paid.
8. In case of any dispute in billing it shall be settled under the provisions of the Madhya Pradesh Electricity Regulatory Commission (Establishment of Forum and Electricity Ombudsman for redressal of grievances of the consumers) (Revision- II) Regulations, 2021 as amended from time to time.

8D Virtual Net Metering Arrangement: -

1. The Distribution Licensee shall undertake meter reading of the Renewable Energy Generation Meter, the Prosumer/ parent consumer and all the participating Consumers of the Parent Consumer, according to the regular billing period.

2. For each Billing Period, the Distribution Licensee shall make the following information available on its bill to the prosumer/ parent consumer:
 - a. Quantum of electricity generation recorded by the renewable energy generation meter of the RE System in the billing period, showing opening and closing balance in the parent consumer bill;
 - b. Quantum of electricity units consumed by the consumer from licensee's system in the billing period, showing opening and closing balance;
 - c. Amount of billing credit, if any, in the billing period, showing opening and closing balance; and
 - d. Units from Renewable Energy generation used by the Distribution Licensee for RPO compliance.
3. For each Billing Period, the Distribution Licensee shall make the following information available on its bills to the participating consumers:
 - a) Quantum of electricity generated/injected by RE system in the grid in the billing period, showing opening and closing balance in the parent consumer bill;
 - b) Quantum of energy deducted on account of losses from wheeled energy;
 - c) Quantum of net electricity allocated out of total energy injected by the RE System in the grid in the billing period as per priority and ratio declared by parent consumer in each participating consumer showing opening and closing balance;
 - d) Quantum of electricity supplied by the Distribution Licensee in the billing period, showing opening and closing balance for each of the participating consumers;
 - e) Quantum of Net billed electricity;
 - f) Excess electricity carried forward from the last billing period; and
 - g) Excess electricity carried forward to the next billing period.
4. The energy exported by the Renewable Energy Generating System under VNM arrangement shall be offset against the energy consumption of the participating consumers from the Distribution Licensee in the following manner:
 - a. The electricity consumption of each participating consumer shall be first adjusted with the electricity exported by the RE System in the same billing period of the participating consumer in the priority and ratio provided in the VNM Agreement. Any surplus generation/ export over consumption in a billing period shall be accounted in the same billing period as if the surplus generation / energy export has occurred during the off-peak time block for ToD consumers and any time block for non-ToD consumers.
 - b. If the quantum of electricity units exported and allocated to the participating consumer exceeds the quantum imported by the participating consumer during the same Billing Period, such excess quantum of electricity units shall be carried forward to the next Billing Period of the participating consumer as credited units of electricity;

Provided that the carried forward units of electricity shall be adjusted against the consumption in off-peak-hours in case the participating consumer is under time-of-day tariff.

Provided further that the imported units under Regulation 8(D) (2), (3) & (4) shall satisfy the Minimum Charges based on Consumption, of the Retail Supply

Tariff order for the respective category of consumer, else charges determined for minimum energy charges criteria or Minimum Charges based on Consumption, as the case may be, in Retail Supply Tariff order shall be applicable.

- c. If the quantum of electricity units imported by the participating consumer during any Billing Period exceeds the quantum of electricity units wheeled from RE Generator, the Distribution Licensee shall raise its invoice for the electricity consumption after adjusting the credited units to participating consumer;
 - d. The parent consumer shall have the option to change the share of credit of electricity from RE System among its participating consumers and also addition or deletion of participating consumers under intimation to existing and added participating consumers indicated under the group net metering agreement once in the financial year with advance notice of 1 month.
5. The energy supplied by the Distribution Licensee during the billing period shall be billed as per the tariff schedule for respective category of consumer and the terms and conditions of the Retail Supply Tariff Order read with provisions under the Madhya Pradesh Electricity Supply Code, 2021. as amended from time to time:

Provided that the Distribution Licensee shall also be eligible to raise invoice for any other charges as allowed by the Commission and any tax/duty/cess imposed by the Government.

6. In cases where the Fixed Charges are computed based on consumed units as per Retail Supply Tariff Order, the Fixed Charges shall be computed based on electricity units imported from the Grid.
7. The Distribution Licensee shall prepare a net bill comprising of the amount payable by Distribution Licensee and amount payable by prosumer and participating consumers as per Regulation 8D (2), (3) & (4) above for each billing period:

Provided that if the net bill amount for a billing period is payable by the parent consumer and participating consumers, then the same shall be paid by them within the due date of the bill:

Provided further that if the net bill amount for a billing period is payable by Distribution Licensee, then the same shall be carried forward in the bill for next billing period as credited amount. No interest shall be payable by Distribution Licensee on such credited carried forward amount.

8. Where the service connection of prosumer/ parent consumer and/or any participating consumer is disconnected due to any reason under any law for the time being in force, the unadjusted units / remaining credit of that prosumer/ consumer shall be paid by the distribution licensee at the end of the settlement period in each financial year.
9. The amount towards unadjusted net credited units of electricity at the end of settlement period shall be payable by the Distribution Licensee by 15th November of the current financial year, at the rate equal to the lowest tariff rate discovered in the solar/ wind bidding, as the case may be, for the State of Madhya Pradesh in the preceding Financial Year. In case no rate is discovered in the preceding financial year, the lowest tariff rate discovered in the latest previous Financial Year shall be considered:

Provided that in case of Renewable Energy Plants other than wind or solar, the

applicable rate shall be Average Power Purchase Cost as determined by the Commission for such period in its Retail Supply Tariff Order for Distribution Licensee:

Provided further that at the beginning of each Settlement Period, the cumulative quantum of injected electricity carried forward will be re-set to zero.

10. The consumer whose entitlement as a consumer of the licensees is ceased due to violation of regulations of the Commission or he is not settling his dues with the licensee he shall not be entitled to receive due amount of the adjustment/credit till the time past dues and other charges as applicable are paid.
11. In case of any dispute in billing, it shall be settled under the provisions of the Madhya Pradesh Electricity Regulatory Commission (Establishment of Forum and Electricity Ombudsman for redressal of grievances of the consumers) (Revision-II) Regulations, 2021 as amended from time to time.

9. Renewable Purchase Obligation: -

The quantum of energy injected by the prosumer from the Renewable Energy System under Net Metering, Group Net Metering arrangement, Gross Metering and Virtual Net Metering Arrangement shall qualify towards compliance of Renewable Purchase Obligation (RPO) for the Distribution Licensee:

Provided that in cases Renewable Generation meter is installed as per provisions of CEA (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, and such meter is read by Distribution Licensee, the quantum of energy generated as a whole shall qualify towards compliance of RPO of Distribution Licensee.

10. Metering Arrangement: -

1. All meters installed at the Renewable Energy Generating System shall comply with the CEA (Installation and Operation of Meters) Regulations, 2006 and subsequent amendments thereof. All meters shall have Advanced Metering Infrastructure (AMI) facility with RS 485 (or higher) communication port or any other advanced communication facility.
2. The Net Metering, Group Net Metering, Gross Metering and Virtual Net Metering Arrangement shall include a single-phase or a three-phase Meter, as may be required, located at the same point of inter-connection to the Distribution system within the premises of the prosumer as per CEA (Installation and Operation of Meters) Regulations, 2006.
3. In case of switching over of existing retail consumers to Net Metering and Group Net Metering Arrangement, the existing meter in the premises of the prosumer shall be replaced by the bi-directional meter at the cost of the prosumer, in accordance with the provisions of the Madhya Pradesh Electricity Supply Code Regulations 2021 as amended from time to time.

Provided that in case of Group Net Metering and Virtual Net Metering Arrangement, the existing consumer meter in the premises of the parent/participating consumers shall be continued for accounting and settlement of the units wheeled/imported from the grid.

4. If the parent consumer is within the ambit of Time-of-Day ('ToD') Tariff, the

Renewable Energy Generation Meter and the consumer Meter or the bi-directional meter installed (as the case may be), shall be capable of recording ToD generation and consumption respectively.

5. The Distribution Licensee shall be responsible for the testing, installation, and maintenance of the metering equipment, and its adherence to the applicable standards and specifications.
6. The prosumer and RESCO shall procure, at his own cost, a Renewable Energy Generation Meter conforming wherever applicable as per CEA Regulations.
7. The bi-directional meter/the consumer meter (in case of Gross and Virtual Net Metering) and the Renewable Energy Generation Meter, wherever required as per Regulations shall be installed close to the entrance within the premises so as to make it easily accessible to the meter reader.
8. The meters installed shall be jointly inspected and sealed on behalf of both the parties and shall be tested or checked in the presence of the prosumer and representatives of the Distribution Licensee. The prosumer shall be duly informed in advance to be present, if he wishes to, at the time of testing.

11. Penalty or Compensation

In case of failure to meet the timelines prescribed under these Regulations, the Distribution Licensee shall be liable to pay compensation to the consumer as specified under Regulation 6 (m) above.

12. Connection Agreement

The Distribution Licensee, prosumer and consumers shall enter into a Net Metering, Group Net Metering, Gross Metering or Virtual Net Metering Connection Agreement, as the case may be, after approval of connectivity of the Renewable Energy Generating System with the Distribution Network of the Distribution Licensee but before the start of actual generation from the System.

13. Power to give Directions: -

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

14. Power to Relax: -

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

15. Power to Amend: -

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

16. Repeal and Savings

1. The Regulation namely "Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations 2022" is

hereby superseded.

2. Nothing in these Regulations shall be deemed to limit or otherwise affect the inherent power of the Commission to make such Orders as may be necessary to meet the ends of justice or to prevent abuse of the process of the Commission.
3. Nothing in these Regulations shall bar the Commission from adopting in conformity with the provisions of the Electricity Act, 2003 (No. 36 of 2003) a procedure, which is at variance with any of the provisions of these Regulations, if the Commission, in view of the special circumstances of a matter or class of matters and for reasons to be recorded in writing, deems it necessary or expedient for dealing with such a matter or class of matters.
4. Nothing in these Regulations shall, expressly or impliedly, bar the Commission dealing with any matter or exercising any power under the Electricity Act, 2003 (No. 36 of 2003) for which no Regulations have been framed, and the Commission may deal with such matters, powers and functions in a manner it thinks fit.

By order of the Commission,
UMAKANTA PANDA, Secy.

Annexure – 1 (See Regulation 5)

Distribution Transformer-wise capacity

Details (To be updated on yearly basis)

Details as on _____

Transformer Code	Location of Transformer	Name Plate Capacity (kVA)	Peak Load during last Financial Year (kVA)	Peak Load during last Quarter (kVA)	Cumulative capacity of connected RE Generating System (kW/kVA)

**Annexure-2 [See Regulation 6(d)]
Application for Net Metering Connection**

To,

The Executive Engineer/ Dy. General Manager,
(O&M)/ City, Division, MP _____

Subject: Application for Net Metering Connections

I intend to connect Renewable Energy System, in compliance of Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, [Revision-II], 2024 and any further amendments thereto for the purpose of providing net metering connection at my premises as per details furnished herewith: -

1.	Name of Applicant	
2.	Address of Applicant	
3.	Service Connection No. of Applicant	
4.	Email ID (In Capital Letters)	
5.	Telephone/ Mobile No. of Applicant	
6.	Tariff Category	
7.	Supply Voltage Level	
8.	Sanctioned Load/ Contract Demand as per latest electricity bill (kW/kVA)	
9.	Type of Renewable Energy System Proposed (Solar, Wind, etc.)	
10.	Capacity of Renewable Energy System Proposed to be connected (kW)	
	Whether applied capacity < or = 10 kW	Yes/no
	Whether applied capacity < or = sanctioned load	Yes/no
11.	Whether system has automatic isolation protection (Yes/ No)	
12.	Has a separate Renewable Energy Generation Meter been installed (Yes/ No)	
13.	Expected date of Commissioning of the Renewable Energy System	
14.	Details of Test Certificate of the RE Plant	

I hereby request you to provide grid connectivity to Renewable Energy System installed or planning to be installed at the premises owned /occupied by me and facility of Net Metering Connections. Details supported by necessary evidence are furnished hereunder.

I declare that the information submitted for Net metering is checked and verified to the best of my knowledge and belief.

Name of consumer

signature of consumer

Acknowledgment

Received an application for Net Metering connection from

Name of Applicant:

Service Connection Number:

Plant Capacity:

Application Registration Number:

Date of Receipt:

Name and signature of Officer

Designation.....

Name and Signature of Officer
Designation _____

**Annexure-3 [See Regulation 6(d)]
Application for Gross Metering Connection**

To,

The Executive Engineer/ Dy. General Manager,
(O&M)/ City, Division, MP _____

Subject: Application for Gross Metering Connection

I intend to connect Renewable Energy System, in compliance of Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, [Revision-II], 2024 and any further amendments thereto for the purpose of providing gross metering connection at my premises as per details furnished herewith: -

1.	Name of Applicant	
2.	Address of Applicant	
3.	Service Connection No. of Applicant	
4.	Email ID (In Capital Letters)	
5.	Telephone/ Mobile No. of Applicant	
6.	Tariff Category	
7.	Supply Voltage Level	
8.	Sanctioned Load/ Contract Demand as per latest electricity bill (kW/kVA)	
9.	Type of Renewable Energy System Proposed (Solar, Wind, etc.)	
10.	Capacity of Renewable Energy System Proposed to be connected (kW)	
	Whether applied capacity < or = 10 kW	Yes/no
	Whether applied capacity < or = sanctioned load	Yes/no
11.	Whether system has automatic isolation protection (Yes/ No)	
12.	Has a separate Renewable Energy Generation Meter been installed (Yes/ No)	
13.	Expected date of Commissioning of the Renewable Energy System	
14.	Details of Test Certificate of the RE Plant	

I hereby request you to provide grid connectivity to Renewable Energy System installed or planning to be installed at the premises owned /occupied by me and facility of Gross Metering Connection. Details supported by necessary evidence are furnished hereunder.

I declare that the information submitted for gross metering is checked and verified to the best of my knowledge and belief.

Name of consumer

signature of consumer

Acknowledgment

Received an application for Gross Metering connection from

Name of Applicant:

Service Connection Number:

Plant Capacity:

Application Registration Number:

Date of Receipt:

Name and signature of Officer
Designation _____

**Annexure-4 [See Regulation 6(d)]
Application for Virtual Net Metering Connections**

To,

The Executive Engineer/ Dy. General Manager,
(O&M)/ City, Division, MP _____

Subject: Application for Virtual Net Metering Connections

I intend to connect Renewable Energy System, in compliance of Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) Regulations,[Revision-II], 2024 and any further amendments thereto for the purpose of providing virtual net metering connections to the consumers as per details furnished herewith: -

1.	Name of Applicant (Parent Consumer) in who's premises RE system is to be installed/ already installed)	
2.	Address of Applicant	
3.	Service Connection No. of Applicant	
4.	Email ID (In Capital Letters) of Applicant	
5.	Telephone/ Mobile No. of Applicant	
8.	Tariff Category	
9.	Sanctioned Load/ Contract Demand as per latest electricity bill (kW/kVA)	
10.	Type of Renewable Energy System Proposed (Solar, Wind, etc.)	
11.	Capacity of Renewable Energy System Proposed to be connected (kW)	
	Whether applied capacity < or = 10 kW	Yes/no
	Whether applied capacity < or = sanctioned load	Yes/no
12.	Supply Voltage of Renewable Energy System Proposed to be connected	
13.	Location of Proposed Renewable Energy System (Rooftop Solar System, Ground Mounted System)	
14.	Whether system has automatic islanding protection (Yes/ No)	
15.	Has a separate Renewable Energy Generation Meter been installed (Yes/ No)	
16.	Expected date of Commissioning of the Renewable Energy System	
17.	Details of Test Certificate of the RE Plant	

Details of participating consumers and priority and ratio of energy adjustment from Energy Injected by Renewable Energy System of __ KW capacity

Sr. No	Service Connection Numbers of parent/ participating consumers	Priority	Sanctioned Load/ Contract demand	Voltage level of participating consumers	% of energy to be adjusted	Service Connection Number of Parent Consumer and sanctioned load/ Contract demand (if any)	Signatures of participating consumers
		1					
		2					
		3					
		4					
		5					

Note: Any number of participating consumers can be added subject to the condition that total sanctioned load/contract demand of parent consumer as well as participating consumers should not be more than the capacity of renewable Energy System being installed/ already installed. Allocation of energy and consumers may be changed once in a financial year as per the provisions of these regulations.

I hereby request you to provide grid connectivity to the Renewable Energy System installed or planning to be installed at the premises owned /occupied by me and facility of Group Net Metering Connections to the participating consumers. Details supported by necessary evidence are furnished hereunder.

I declare that the information submitted for Virtual Net metering is checked and verified to the best of my knowledge and belief.

Name of Applicant

Signatures of Applicant

Acknowledgment

Received an application for Virtual Net Metering connection from

Name of Applicant:

Service Connection Number:

Plant Capacity:

Application Registration Number:

Date of Receipt:

Name and signature of Officer
Designation_____

**Annexure-5 [See Regulation 6(d)]
Application for Group Net Metering Connections**

To,

The Executive Engineer/ Dy. General Manager.
(O&M)/ City, Division, MP _____

Subject: Application for Group Net Metering Connections

I intend to connect Renewable Energy System, in compliance of Madhya Pradesh Electricity Regulatory Commission (Grid Interactive Renewable Energy Systems and Related Matters) [Revision-II], Regulations, 2024 and any further amendments thereto for the purpose of providing group net metering connections to my other connections as per the details furnished herewith: -

1.	Name of Applicant (Parent Connection where RE system is to be installed)	
2.	Address of Applicant	
3.	Service Connection No. of Applicant	
4.	Email ID (In Capital Letters)	
5.	Telephone/ Mobile No. of Applicant	
6.	Email ID of Installer (in Capital Letters)	
7.	Telephone / Mobile No. of Installer	
8.	Tariff Category	
9.	Sanctioned Load/ Contract Demand as per latest electricity bill (kW/kVA)	
10.	Type of Renewable Energy System Proposed (Solar, Wind, etc.)	
	Whether applied capacity < or = 10 kW	Yes/no
	Whether applied capacity < or = sanctioned load	Yes/no
11.	Capacity of Renewable Energy System Proposed to be connected (kW)	
12.	Supply Voltage of Renewable Energy System Proposed to be connected	
13.	Location of Proposed Renewable Energy System (Rooftop Solar System: Ground Mounted System)	
14.	Whether system has automatic isolation protection (Yes/ No)	
15.	Has a separate Renewable Energy Generation Meter been installed (Yes/ No)	
16.	Expected date of Commissioning of the Renewable Energy System	
18.	Details of Test Certificate of the RE Plant	

Details of participating connections and priority and ratio of energy adjustment from Energy Injected by Renewable Energy System of __ KW capacity

Sr. No	Service Connection Numbers of participating connections of the Parent Consumer	Priority	Sanctioned Load/ Contract demand	Voltage level of participating connections	% of energy to be adjusted	Service Connection Number, sanctioned load/ Contract demand and voltage level of Parent Consumer
		1				
		2				
		3				
		4				
		5				

Note: Any number of participating connections of the parent consumer can be added subject to the condition that total sanctioned load/contract demand of parent consumer as well as participating connections should not be more than the capacity of renewable Energy System being installed/ already installed. Allocation of energy and connections may be changed once in a financial year as per the provisions of these regulations.

I hereby request you to provide grid connectivity to the Renewable Energy System installed or planning to be installed at the premises owned /occupied by me and facility of Group Net Metering Connections to my other connections. Details supported by necessary evidence are furnished hereunder.

I declare that the information submitted for Group Net metering is checked and verified to the best of my knowledge and belief.

Name of consumer

signature of consumer

Acknowledgment

Received an application for Group Net Metering connections from

Name of Applicant:

Service Connection Number:

Plant Capacity:

Application Registration Number:

Date of Receipt:

Name and signature of Officer
Designation _____

Annexure-6 [See regulation 6(e)]**Undertaking for incorporating the connections of parent consumer in the priority list of settlement under Group Net Metering (GNM)**

- i. I, _____ Son / Daughter of _____ Resident of _____ (hereinafter referred to as "GNM parent consumer", which term shall mean and include executors, administrators, heirs, successors and assigns), do hereby swear and declare as under:
- Participating connections given in the application form are other connections of this parent consumer.
 - GNM participating connection is made aware that a Group Net Metering connection has been applied by "GNM Applicant" at the premises situated at _____
 - GNM participating connection is made aware that its service connection number has been given by the GNM Applicant for availing of benefits under GNM Connection.
 - GNM participating connection would like to avail the benefits associated with the GNM Connection issued to GNM Applicant and as such is submitting this instant undertaking confirming the terms herein.
 - On behalf of GNM participating connections it is confirmed and understood that this present undertaking shall form part of the GNM Application Form submitted by the GNM Applicant and shall be construed in addition to the declarations and undertakings provided therein.

That on behalf of the GNM participating connections, the authorized signatory for parent consumer hereby agrees and undertaks: -

- That GNM participating connections is a consumer of _____ Division of _____ Discom with service connection number _____ and agrees to avail facility of group net metering from Renewable Energy System installed by the GNM Applicant at _____.
- There is no objection if participating connection number is added to the benefits of GNM Connection issued to GNM Applicant in a manner as requested/agreed by GNM Applicant in the GNM Application.
- There is no objection to the benefit credited, calculation of billing units to participating connection under GNM connection as per the provisions of MPERC (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, [Revision-II], 2024 as notified by the MP Electricity Regulatory Commission as amended from time to time.
- Revision of calculation of units or the issues associated with such billing units by DISCOM in consideration of MPERC (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, [Revision-II], 2024 as amended from time to time or any other issues related to are hereby agreed and no claim shall be raised by GNM participating connections against (concerned Discom) in this regard.
- GNM Applicant has authority for inclusion of GNM participating connection to avail

the benefits of Group Net Metering and also regarding change in priority sequence and share and no claim in this regard shall be raised by the participating connection.

- vi. That DISCOM is hereby indemnified from all law suits/claims/action/liabilities associated with the inclusion/dropping of GNM participating connection from the benefits of Group Net Metering.
- vii. Necessary document and permissions in respect of GNM participating connection shall be either deposited with DISCOM or uploaded on web portal as and when demanded by DISCOM.
- viii. Necessary permissions from the concerned authorities and shall be obtained for the participating connection and submitted with DISCOM, as notified by DISCOM from time to time.
- ix. In case of violation of the terms as stated in this undertaking and other terms as agreed by him/her, DISCOM shall have full rights to drop GNM participating connection from availing the benefits of Group Net Metering.

Name and Service Connection Number for GMN participating connection:

Signature of parent consumer:

VERIFICATION:

Verified at _____ that the contents of the above self-- declaration are true and correct to the best of my knowledge and belief. This is to declare that no word and/or any statement has been amended/alterd/reframed in connection agreement as provided by _____ DISCOM for the needful process of Group Net Metering (GNM) Application.

Name and Service Connection Number for GMN participating connection:

Signature of parent consumer:

Annexure-7 [See regulation 8(A) and (9)]**Illustration for Energy Accounting and Settlement under Net Metering Arrangement****LT Category Prosumers**

The following illustration is for Urban LT Domestic Category prosumer with the following Tariff Schedule as per Retail Supply Tariff Order for FY 2023-24:

LV 1.2**(i) Energy Charge and Fixed Charge – For metered connection**

Monthly Consumption Slab (Units)	Energy Charge with telescopic benefit (paise per unit) Urban/ Rural areas	Monthly Fixed Charge (Rs.)	
		Urban Areas	Rural Areas
Up to 50 units	427	71 per connection	57 per connection
51 to 150 Units	523	124 per connection	101 per connection
151 to 300 Units	661	27 for each 0.1 kW load	24 for each 0.1 kW load
Above 300 Units	680	27 for each 0.1 kW load	26 for each 0.1 kW load

Note:

- (1) The fixed charges shall be levied considering every 15 units of consumption per month or part thereof equal to 0.1 kW of load. **Example:** If consumption during the month is 155 units, then the fixed charges shall be levied for 1.1 kW. In case the consumption is 350 units then the fixed charges shall be levied for 2.4 kW.

Assumption:

1. Renewable Energy System Installed: 5 kW
2. Average Solar generation per day: 4 units/ kW

Energy Accounting and settlement as per Regulation 8A of the MPERC (Grid Interactive Renewable Energy System and Related Matters) Regulations, 2024

a. Import of electricity from Grid is more than Export of electricity generated from RE System

S.No.	Information to be shown on bill	Values	Remarks
1.	Quantum of electricity injected by RE system in the grid in the billing period	150 Units	
2.	Quantum of electricity supplied by the Distribution Licensee in the billing period, including opening and closing balance	450 Units	

S.No.	Information to be shown on bill	Values	Remarks
3.	Quantum of Net billed electricity, for which payment is to be made by the prosumer	300 Units	(2)-(1)-(4) i.e., Import > Export and no credited units are available from previous billing
4.	Excess electricity carried forward from the last billing period	0 Units	
5.	Excess electricity carried forward to the next billing period	0 Units	
6.	Renewable Energy Units used by Distribution Licensee for RPO compliance	150 Units	This is to be In line with Regulation 9

Therefore,

7	Energy Charges to be paid by Prosumer	Slab	Rate (Paise per unit)	Billed Units	Amount (Rs.)
	1. To be considered on Net billed Units = 300 Units (s.no.3 above),		Up to 50 units	427	50
		51 to 150 Units	523	100	523.00
		151 to 300 Units	661	150	991.50
		Above 300 Units	680		
		Total Energy Charges (Rs.)			
8	Fixed Charges to be paid by Prosumer {To be considered on Imported Units from Grid = 450 Units (s.no.2 above)}	450 Units @ Rs. 27 for each 0.1 kW load i.e., for 3kW			Rs. 810.00
9	Other charges as applicable to the Prosumer (viz. FPPAS/Tax/Cess etc.) {To be considered on Net billed units = 300 Units (s.no.3 above)}				Rs.100.00 (say)
10	TOTAL BILL PAYABLE BY PROSUMER (10 = 7+8+9)				Rs. 2638.00

b. Export of electricity generated from RE System is more than electricity imported from Grid

S.No.	Information to be shown on bill	Values	Remarks
1.	Quantum of electricity injected by RE system in the grid in the billing period	450 Units	
2.	Quantum of electricity supplied by the Distribution Licensee in the billing period, including opening and closing balance	300 Units	
3.	Quantum of Net billed electricity, for which payment is to be made by the prosumer	0 Units	(2)-(1)-(4) Since Export > Import, the excess units are carried forward to next billing cycle.
4.	Excess electricity carried forward from the last billing period	0 Units	
5.	Excess electricity carried forward to the next billing period	150 Units	(1)-(2)+(4)
6.	Renewable Energy Units used by Distribution Licensee for RPO compliance	450 Units	This is to be in line with Regulation 9

Therefore,

7.	Energy Charges to be paid by Prosumer {To be considered on Net billed Units = 0 Units (s.no.3 above)}	Slab	Rate (Paise per unit)	Rs. 00.00 (As Exported Units > Imported Units, the excess units would be carried forward to next billing cycle.)
		Up to 50 units	427	
		51 to 150 Units	523	
		151 to 300 Units	661	
		Above 300 Units	680	
8.	Fixed Charges to be paid by Prosumer {To be considered on Imported Units from Grid = 300 Units (s.no.2 above)}	300 Units @ 27 for each 0.1 kW load i.e., for 2kW		Rs. 540.00.
9.	Other charges as applicable to the Prosumer (viz. FPPAS/Tax/Cess etc.) {To be considered on Net Billed units = 0 Units (s.no.3 above)}			0.00
10	TOTAL BILL PAYABLE BY PROSUMER (10 = 7+ 8+9)			Rs. 540 .00

Annexure-8 [See regulation 6(e)]**Undertaking for incorporating consumers connections in the priority list of settlement under Virtual Net Metering (VNM)**

- ii. I, _____ Son / Daughter of _____ Resident of (hereinafter referred to as "VNM Beneficiary", which term shall mean and include executors, administrators, heirs, successors and assigns), do hereby swear and declare as under:
- iii. VNM Beneficiary is aware that a Virtual Net Metering connection has been applied by "VNM Applicant" at the premises situated at _____
- iv. VNM Beneficiary is aware that name/service connection number of VNM Beneficiary has been given by the VNM Applicant for availing of benefits under VNM Connection.
- v. VNM Beneficiary would like to avail the benefits associated with the VNM Connection issued to VNM Applicant as such submitting this instant undertaking confirming the terms herein.
- vi. VNM Beneficiary confirms and understands that this present undertaking shall form part of the VNM Application Form submitted by the VNM Applicant and shall be construed in addition to the declarations and undertakings provided therein.

That the VNM Beneficiary hereby agree and undertake: -

- x. That VNM Beneficiary is a consumer of _____ Division of _____ Discom with service connection number _____ and agrees to avail facility of virtual net metering from Renewable Energy System installed by the VNM Applicant at _____.
- xi. That VNM Beneficiary has no objection if his service connection number is added to the benefits of VNM Connection issued to VNM Applicant in a manner as requested/agreed by VNM Applicant in the VNM Application.
- xii. That VNM Beneficiary do hereby agree and undertake that it shall have no objection for the benefit credited, calculation of billing units under VNM connection as per the provisions of MPERC (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, 2024 as notified by the MP Electricity Regulatory Commission as amended from time to time.
- xiii. That VNM Beneficiary do hereby agree and undertake for calculation of units or the issues associated with the same the billing units may be revised by DISCOM in consideration of MPERC (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, 2024 as amended from time to time or any other issues and the same shall not give any rise to any claim from VNM Beneficiary against (concerned Discom).
- xiv. That VNM Beneficiary has given its consent to VNM Applicant for inclusion of VNM Beneficiary for the benefits of Virtual Net Metering and understand that the nomination of VNM Beneficiary is at the discretion of VNM Applicant and the VNM applicant, at all times, shall be free to change the sequence of VNM Beneficiary and/or drop VNM Beneficiary from the benefits without any prior intimation and the same shall not give any rise to any claim from VNM Beneficiary against DISCOM.

- xv. That VNM Beneficiary shall at all time keep DISCOM indemnified from all law suits/claims/action/liabilities associated with the inclusion/dropping of VNM Beneficiary from the benefits of Virtual Net Metering.
- xvi. That VNM Beneficiary undertakes to deposit the necessary document and permissions with DISCOM as and when demanded by DISCOM.
- xvii. That VNM Beneficiary shall take necessary permissions from the concerned authorities and shall submit the same with DISCOM, as notified by DISCOM from time to time.
- xviii. The VNM Beneficiary confirms and agrees that in case of violation of the terms as stated in this undertaking and other terms as agreed by him/her. DISCOM shall be having full right to drop VNM Beneficiary from the benefits of Group Net Metering.

Name of VNM Beneficiary:

Service Connection Number:

Signature of VNM Beneficiary:

VERIFICATION:

Verified at _____ that the contents of the above self-- declaration are true and correct to the best of my knowledge and belief. This is to declare that No word and/or any statement has been amended/alterd/reframed in connection agreement as provided by _____ DISCOM for the needful process of Virtual Net Metering (VNM) Application.

Name of VNM Beneficiary:

Service Connection Number:

Signature of VNM Beneficiary: