



PUNJAB STATE POWER CORPORATION LIMITED

(O/O EIC/Commercial, Patiala, Ph.No.0175-2214495)

Regd. Office- PSEB Head Office, The Mall, Patiala-147001

Corporate Identity Number:U40109PB20108GC033813

Tele Fax:.0175-2210320 email: ce-commercial@pspcl.inseregulation1@gmail.com

PUBLIC NOTICE

For inviting objections in respect of Petition No. 43 of 2024 filed by PSPCL for amendment in various Regulations of PSERC (Grid Interactive Rooftop Solar Photo Voltaic System) Regulations, 2021.

- 1) Notice is hereby given to Public/Stake Holders that the Punjab State Power Corporation Limited (PSPCL) has filed Petition No. 43 of 2024 for amendment in various Regulations of PSERC (Grid Interactive Rooftop Solar Photo Voltaic System) Regulations, 2021.
- 2) The above said petition is available on the website of PSPCL i.e., www.pspcl.in. The petition is also available on the website of Commission i.e., www.pserc.gov.in. and copy of this petition can be downloaded therefrom.
- 3) Suggestions/Objections/Comments against the Petition filed by PSPCL together with supporting material may be filed with the Secretary, Punjab State Electricity Regulatory Commission, Site No. 3, Madhya Marg, Sector-18A, Chandigarh in person or through Registered Post so as to reach by 16.12.2024. Copy of the same must also be sent to Chief Engineer/ARR& TR, PSPCL, F-4, Shakti Vihar, Patiala and proof of service of the same must be enclosed with the filing made to Secretary, Punjab State Electricity Regulatory Commission, Chandigarh.
- 4) The objections to the petition should be filed in 10 copies. The objections should carry full name, signature, postal address and telephone/mobile number of the person sending the objections. If the objection is filed on behalf of any organization or any class of consumers, it should be so mentioned. All the objectors should also send a soft copy of their objections to the Secretary/ PSERC at e-mail ID secretarypsercchd@gmail.com and PSPCL e-mail ce-arr-tr@pspcl.in. If any member of the public wants to attend the hearing virtually then they may send their full name, contact no. and valid email ID to registrarpsercchd@gmail.com and the link for the same will be provided by the Commission.
- 5) The petition shall be taken up for hearing as well as public hearing by the Hon'ble Commission on 18.12.2024 at 11:30 A.M. in the Commission's office at Site No. 3, Madhya Marg, Sector-18A, Chandigarh. All the objectors who have filed their objections by the last date of filing of the objections and other persons/ organizations interested in presenting their views/suggestions on the above mentioned matter are invited to participate in the hearing before the Hon'ble Commission.

Engineer-in-Chief /Commercial,
PSPCL, Patiala.



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(ਜਨਤਕ ਸੂਚਨਾ)

ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮਿਟਡ ਵਲੋਂ ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ ਦੀ (ਗਰਿੱਡ ਇੰਟਰਐਕਟਿਵ ਰੂਫਟਾਪ ਸੋਲਰ ਫੋਟੋ ਵੋਲਟੇਇਕ ਸਿਸਟਮ) ਰੈਗੂਲੇਸ਼ਨਜ਼, 2021 ਦੀਆਂ ਵੱਖ-ਵੱਖ ਰੈਗੂਲੇਸ਼ਨਾਂ ਵਿੱਚ ਤਬਦੀਲੀ ਬਾਰੇ ਪਟੀਸ਼ਨ ਨੰਬਰ 43/2024 ਦੇ ਸਬੰਧ ਵਿੱਚ ਇਤਰਾਜ਼ ਮੰਗੇ ਜਾਂਦੇ ਹਨ।

1. ਇਸ ਦੁਆਰਾ ਪਬਲਿਕ/ਸਟੇਕ ਹੋਲਡਰਾਂ ਨੂੰ ਨੋਟਿਸ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮਿਟਡ (PSPCL) ਨੇ ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ ਦੀ (ਗਰਿੱਡ ਇੰਟਰਐਕਟਿਵ ਰੂਫਟਾਪ ਸੋਲਰ ਫੋਟੋ ਵੋਲਟੇਇਕ ਸਿਸਟਮ) ਰੈਗੂਲੇਸ਼ਨਜ਼, 2021 ਦੀਆਂ ਵੱਖ-ਵੱਖ ਰੈਗੂਲੇਸ਼ਨਾਂ ਵਿੱਚ ਤਬਦੀਲੀ ਬਾਰੇ ਪਟੀਸ਼ਨ ਨੰਬਰ 43/2024 ਦੇ ਦਾਇਰ ਕੀਤੀ ਗਈ ਹੈ।
2. ਇਹ ਪਟੀਸ਼ਨ ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ ਦੀ ਵੈਬਸਾਈਟ www.pspcl.in ਤੇ ਉਪਲਬਧ ਹੈ। ਇਹ ਪਟੀਸ਼ਨ ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ. ਦੀ ਵੈਬਸਾਈਟ www.pserc.gov.in ਤੇ ਵੀ ਉਪਲਬਧ ਹੈ। ਇਸ ਪਟੀਸ਼ਨ ਦੀ ਕਾਪੀ ਇਨ੍ਹਾਂ ਵਿੱਚੋਂ ਕਿਸੇ ਵੀ ਲਿੰਕ ਤੋਂ ਡਾਊਨਲੋਡ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ।
3. ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ ਦੁਆਰਾ ਦਾਇਰ ਕੀਤੀ ਗਈ ਪਟੀਸ਼ਨ ਵਿਰੁੱਧ ਸੁਝਾਵ/ਇਤਰਾਜ਼/ਟਿੱਪਣੀਆਂ ਸਮੇਤ ਸਬੰਧਤ ਦਸਤਾਵੇਜ਼ ਸਕੱਤਰ/ਪੰਜਾਬ ਰਾਜ ਬਿਜਲੀ ਰੈਗੂਲੇਟਰੀ ਕਮਿਸ਼ਨ, ਸਾਇਟ ਨੰ. 3, ਸੈਕਟਰ-18 ਏ, ਮੱਧਿਆ ਮਾਰਗ, ਚੰਡੀਗੜ੍ਹ 160018 ਕੋਲ ਖੁਦ ਪੇਸ਼ ਹੋ ਕੇ ਜਾਂ ਰਜਿਸਟਰਡ ਡਾਕ ਰਾਹੀਂ ਮਿਤੀ 16.12.2024 ਤੱਕ ਦਾਇਰ ਕੀਤੇ ਜਾ ਸਕਦੇ ਹਨ। ਇਸ ਦੀ ਕਾਪੀ ਚੀਫ ਇੰਜੀਨੀਅਰ/ਏ.ਆਰ.ਆਰ. ਅਤੇ ਟੀ. ਆਰ., ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ, ਐਫ-4, ਸ਼ਕਤੀ ਵਿਹਾਰ, ਪਟੀਆਲਾ ਨੂੰ ਵੀ ਭੇਜੀ ਜਾਵੇ ਅਤੇ ਇਸ ਨੂੰ ਭੇਜਣ ਦਾ ਸਬੂਤ ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ., ਚੰਡੀਗੜ੍ਹ ਨੂੰ ਇਤਰਾਜ਼ ਦਾਇਰ ਕਰਨ ਸਮੇਂ ਨਾਲ ਲਗਾਇਆ ਜਾਵੇ।
4. ਪਟੀਸ਼ਨ ਤੇ ਇਤਰਾਜ਼ 10 ਕਾਪੀਆਂ ਵਿੱਚ ਦਾਇਰ ਕੀਤੇ ਜਾਣੇ ਚਾਹੀਦੇ ਹਨ। ਇਤਰਾਜ਼ਾਂ ਵਿੱਚ ਇਤਰਾਜ਼ ਭੇਜਣ ਵਾਲੇ ਵਿਅਕਤੀ ਦਾ ਪੂਰਾ ਨਾਮ, ਹਸਤਾਖਰ, ਪਤਾ ਅਤੇ ਟੈਲੀਫ਼ਨ/ਮੋਬਾਈਲ ਨੰ: ਹੋਣਾ ਚਾਹੀਦਾ ਹੈ। ਜੇਕਰ ਇਤਰਾਜ਼ ਕਿਸੇ ਸੰਗਠਨ ਜਾਂ ਕਿਸੇ ਕਿਸਮ ਦੇ ਖਪਤਕਾਰਾਂ ਦੀ ਤਰਫੋਂ ਦਾਇਰ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਤਾਂ ਇਸਦਾ ਵੀ ਪੂਰਾ ਵੇਰਵਾ ਦਿੱਤਾ ਜਾਵੇ। ਸਾਰੇ ਇਤਰਾਜ਼ਕਰਤਾ ਆਪਣੇ ਇਤਰਾਜ਼ਾਂ ਦੀ ਸੋਫਟ ਕਾਪੀ ਸਕੱਤਰ/ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ. ਦੀ ਈਮੇਲ [ਆਈ.ਡੀ. secretarypsercchd@gmail.com](mailto:secretarypsercchd@gmail.com) ਅਤੇ ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ ਦੀ ਈਮੇਲ [ਆਈ.ਡੀ. ce-arr-tr@pspcl.in](mailto:ce-arr-tr@pspcl.in) ਤੇ ਵੀ ਭੇਜਣ। ਜੇ ਜਨਤਾ ਦਾ ਕੋਈ ਵੀ ਮੈਂਬਰ ਵਰਚੁਅਲ ਸੁਣਵਾਈ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣਾ ਚਾਹੁੰਦਾ ਹੈ ਤਾਂ ਉਹ ਆਪਣਾ ਪੂਰਾ ਨਾਮ, ਟੈਲੀਫ਼ਨ/ਮੋਬਾਈਲ ਨੰ: ਅਤੇ ਵੈਬ ਈਮੇਲ ਆਈ.ਡੀ., registrarpsercchd@gmail.com ਤੇ ਭੇਜ ਸਕਦਾ ਹੈ ਅਤੇ ਇਸਦਾ ਲਿੰਕ ਕਮਿਸ਼ਨ ਵਲੋਂ ਮੁਹੱਇਆ ਕੀਤਾ ਜਾਵੇਗਾ।
5. ਮਾਨਯੋਗ ਕਮਿਸ਼ਨ ਵਲੋਂ ਪਟੀਸ਼ਨ ਦੀ ਸੁਣਵਾਈ ਅਤੇ ਜਨਤਕ ਸੁਣਵਾਈ ਮਿਤੀ 18.12.2024 ਨੂੰ ਸਵੇਰੇ 11:30 ਵਜੇ ਕਮਿਸ਼ਨ ਦਫਤਰ, ਸਾਇਟ ਨੰ. 3, ਸੈਕਟਰ-18 ਏ, ਮੱਧਿਆਮਾਰਗ, ਚੰਡੀਗੜ੍ਹ 160018 ਵਿਖੇ ਹੋਵੇਗੀ। ਸਾਰੇ ਇਤਰਾਜ਼ਕਰਤਾ ਜਿਨ੍ਹਾਂ ਨੇ ਇਤਰਾਜ਼ ਦਾਖਲ ਕਰਨ ਦੀ ਆਖਰੀ ਮਿਤੀ ਤੱਕ ਆਪਣੇ ਇਤਰਾਜ਼ ਦਾਇਰ ਕੀਤੇ ਹਨ ਅਤੇ ਹੋਰ ਵਿਅਕਤੀ/ਸੰਸਥਾ ਜੋ ਉਪਰੋਕਤ ਮਾਮਲੇ ਤੇ ਆਪਣੇ ਵਿਚਾਰ/ਸੁਝਾਅ ਪੇਸ਼ ਕਰਨ ਦੇ ਚਾਹਵਾਨ ਹੋਣ, ਨੂੰ ਮਾਨਯੋਗ ਕਮਿਸ਼ਨ ਅੱਗੇ ਸੁਣਵਾਈ ਵਿੱਚ ਹਿੱਸਾ ਲੈਣ ਲਈ ਸੱਦਾ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ।

-Sd-

ਪ੍ਰਮੁੱਖ ਇੰਜੀਨੀਅਰ/ਵਣਜ,
ਪੰ:ਸ:ਪ:ਕ:ਲਿਮ:ਪਟਿਆਲਾ।

BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION
SCO 220-221, SECTOR 34-A, CHANDIGARH

PETITION NO. OF 2024

IN THE MATTER OF:

Petition under Regulation 25 Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021

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BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION
SCO 220-221, SECTOR 34-A, CHANDIGARH

PETITION NO. OF 2024

IN THE MATTER OF:

Petition under Regulation 25 Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021

IN THE MATTER OF:

Punjab State Power Corporation Limited,
The Mall, Patiala, Punjab

- Petitioner

PETITION FOR AMENDMENT OF PUNJAB STATE ELECTRICITY REGULATORY COMMISSION (GRID INTERACTIVE ROOFTOP SOLAR PHOTO VOLTAIC SYSTEMS) REGULATIONS, 2021

MOST RESPECTFULLY SHOWETH:

1. That the present Petition is being filed by the Petitioner - Punjab State Power Corporation Limited ('PSPCL') for seeking amendment of Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021 (hereinafter referred to as 'Solar Regulations 2021').
2. PSPCL is the distribution licensee under provisions of the Electricity Act, 2003 in the State of Punjab and is procuring power from various sources and own generation for supply to consumers in the State. PSPCL inter alia is procuring power from the rooftop solar systems installed by consumers.
3. That the Hon'ble Commission had notified Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems based on Net Metering) Regulations, 2015 (hereinafter referred to as 'Net Metering Regulations 2015') on 07.05.2015.
4. Subsequently Hon'ble Commission in 2021 notified Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021 (hereinafter referred to as 'Solar Regulations 2021') on 18.08.2021. A copy of the Solar Regulations is attached hereto and marked as **Annexure 'A'**.

5. The salient features of the Solar Regulations 2021 are as under:
 - a. Consumer can apply under three No. of arrangements that is Net Metering, Net Billing and Gross Metering.
 - b. The maximum capacity of rooftop solar system shall not exceed 70% of the sanctioned load (kW) or contract demand of the consumer except domestic category where it shall be 100% of the sanctioned load (kW) or contract demand. The maximum capacity of Rooftop SPV systems under Net-Metering shall be 500 kWp and minimum capacity of Rooftop SPV systems under Gross metering shall be 50 kWp.
 - c. Cumulative capacity of all Rooftop Solar System allowed to be interconnected with the distribution network shall not exceed 80% of the rated capacity of the distribution transformer/feeder
 - d. The interconnection of the rooftop solar system with the network of the distribution licensee shall conform to the standards as provided in Central Electricity Authority (Technical Standard for Connectivity of the Distributed Generation Resources) Regulations, 2013
 - e. Energy Settlement of Net Metering in Solar Regulations 2021 were kept same as that of Net Metering regulations 2015.
 - f. Energy Settlement of Net billing:
 - i. Energy imported from PSPCL would be billed as per applicable retail tariff of PSPCL.
 - ii. Energy exported to PSPCL would be billed as per feed-in-tariff approved by the Commission.
 - iii. In case of excess billing credit, the same shall be carried forward to next billing cycle and may be utilised within a settlement period.
 - iv. Fixed Charges shall be leviable on the basis of his sanctioned load/contract demand as per the tariff order approved by the Commission for the relevant year.
 - v. Settlement period has been defined beginning from first day of October in an English calendar year and ending with thirtieth day of September of next year.
6. While issuing Solar Regulations 2021, Hon'ble Commission has repealed the Net Metering Regulations 2015. However, Rooftop SPV

systems registered under Net Metering Regulations shall continue to be governed by the same Regulations.

7. PSPCL vide Petition No. 53 of 2023 has filed for amendment in the Solar Regulations 2021 for changing settlement period of some seasonal industries. Hon'ble Commission in decision of this petition has notified Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) (1st amendment) Regulations, 2024 on 11.03.2024. A copy of the amendment is attached hereto and marked as **Annexure 'B'**.
8. Now Ministry of Power vide notification dated 22.02.2024 has amended the Electricity (Rights of Consumers) Rules, 2020 (hereinafter referred to as 'Consumer Rules'). A copy of the amendment is attached hereto and marked as **Annexure 'C'**. Vide this notification Rule 11 of Consumer Rules relating to Solar Regulations was amended. In view of these amendments in Consumer Rules, Solar Regulations 2021 needs to be amended.
9. Further the issue of accounting procedure for Gross Metering arrangement also needs to be discussed. Regulation No. 14 of Solar Regulations, 2021 is reproduced as under:

“The energy consumed by the consumer during the billing cycle shall be billed at the retail tariff applicable for the relevant category as determined by the Commission in the tariff order whereas energy generated during the billing cycle shall be billed at feed-in-tariff approved by the Commission. A single invoice may be raised by the distribution licensee.”

No other information is available in the regulations regarding whether the energy consumed by the consumer billed at retail tariff can be adjusted against energy generated by the consumer billed at feed-in-tariff in single invoice or both has to be settled individually. Further in case if Net Bill is payable by Licensee then can the same be carried forward to next billing cycle or is to be settled on monthly basis.

10. It is further informed that PSPCL has issued Commercial Circular No. 09/2024 (copy attached as Annexure 'D') and instruction vide Memo No. 629/633 dated 20.06.2024 (copy attached as Annexure 'E') for adhering to some of the amendment in the Consumer Rules. These Instructions were issued for timely implementation of these rules however same now needs to be incorporated in the Solar Regulations 2021 also.

11. In this regard Gross Metering Regulations of different states were studied and it was found that detailed accounting procedure has been issued in these regulations. After studying different regulations, Gross Metering Regulations of MPERC (Grid Interactive Renewable Energy Systems and Related Matters) Regulations, 2022 (copy attached as Annexure 'F') is recommended as it will reduce the burden on PSPCL for making payments to the prosumer in each billing cycle and excess credit amount (if any) shall be payable to the prosumer at the end of settlement period once only. Brief features of this proposal are as under:-

- a) Distribution Licensee shall prepare a net bill of amount payable by Licensee and amount payable by Prosumer for each billing period.
- b) If Net Bill is payable by Licensee then same shall be carried forward to next billing cycle.
- c) No interest on the Credited amount to next billing cycle shall be payable.
- d) At the end of the Settlement Period, the credited amount shall be payable by the licensee within 45 days.

12. In line with the above principles, the amendments proposed by PSPCL are as under:

Sr. No.	Existing Clause	Proposed Amendment	Remarks
1.	11.5 The distribution licensee shall complete technical feasibility study within 20 days of the date of acknowledgement issued to the applicant.	11.5 The distribution licensee shall complete technical feasibility study within <u>15</u> days of the date of acknowledgement issued to the applicant. <u>The applications for roof top solar photo voltaic systems upto 10 kW capacity, complete in all respects shall</u>	As per Amendment in sub rule 7 of rule 11 of Consumer Rules.

		<u>be deemed to have been accepted without requiring technical feasibility study. Any commensurate enhancement of the sanctioned load of the consumer, as may be required, shall be carried out by the distribution licensee after taking an option from the consumer in the online application of the consumer. Consumer has to pay all the cost of extension of load as per Schedule of General Charges.</u>	
2.	11.9 In case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, etc., for installation of the required capacity of solar PV system, the same shall be carried out by the distribution licensee within a period of 180 days failing which the application of the consumer for setting up SPV plant shall be deemed to have been approved.	11.9 <u>Subject to proviso under Regulation 11.5</u> in case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, etc., for installation of the required capacity of solar PV system, the same shall be carried out by the distribution licensee within a period of 180 days failing which the application of the consumer for setting up SPV plant shall be deemed to have been approved <u>or till the completion of installation in cases of deemed acceptance. The cost of strengthening the distribution infrastructure, including distribution transformer, as necessary, to facilitate the installation of roof top solar photovoltaic systems up to a capacity of 5 kW shall be covered under Annual Revenue Requirement (ARR) and cost of all other roof top solar photovoltaic systems above the capacity of 5 kW cost shall be born by the consumer.</u>	As per Amendment in sub rule 8 of rule 11 of Consumer Rules.
3.	11.3 After submission of the installation certificate and site verification, distributing licensee shall complete signing of connection agreement for a period of upto 25 years, installation and sealing of the Bi-directional energy meter/unidirectional generation meter and successful commissioning of the SPV system within 30 days of the submission of installation report.	11.3 After submission of the installation certificate and site verification, distributing licensee shall complete signing of connection agreement for a period of upto 25 years, installation and sealing of the Bi-directional energy meter/unidirectional generation meter and successful commissioning of the SPV system within <u>15</u> days of the submission of installation report.	As per Amendment in sub rule 9 of rule 11 of Consumer Rules.
4.	14 The energy consumed by the consumer during the billing cycle shall be billed at the retail tariff	14 14.1 The energy consumed by the consumer during the billing cycle shall be billed at the retail tariff applicable for the relevant category as determined by	As per Regulation 7(B) of MPERC (Grid Interactive Renewable Energy

<p>applicable for the relevant category as determined by the Commission in the tariff order whereas energy generated during the billing cycle shall be billed at feed-in-tariff approved by the Commission. A single invoice may be raised by the distribution licensee.</p>	<p>the Commission in the tariff order whereas energy generated during the billing cycle shall be billed at feed-in-tariff approved by the Commission.</p> <p><u>14.2 The Distribution Licensee shall prepare a net bill comprising of the amount payable by Distribution Licensee as per above and amount payable by prosumer as per 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.</u></p> <p><u>14.3 At the end of each Settlement Period, the credited carried forward amount payable by the Distribution Licensee, shall be paid to the prosumer latest within 45 days.</u></p> <p><u>14.4 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.</u></p>	<p>Systems and Related Matters) Regulations, 2022</p>
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13. In the facts and circumstances mentioned above, it is respectfully prayed that this Hon'ble Commission may be pleased to:
- a) Initiate proceedings for bringing amendments in the Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021 as suggested in Para 12 of the Petition.
 - b) Pass such further order(s) as the Hon'ble Commission may deem just and proper in the circumstances of the case.

**PUNJAB STATE POWER CORPORATION LIMITED
- PETITIONER**

Place: Patiala

Dated: 28.08.2024



Punjab Government Gazette

EXTRAORDINARY

Published by Authority

CHANDIGARH, WEDNESDAY, AUGUST 18, 2021 (SRAVANA 27, 1943 SAKA)

PUNJAB STATE ELECTRICITY REGULATORY COMMISSION

NOTIFICATION

The 18th August, 2021

No.PSERC/Secy./Regu.158.- In exercise of powers conferred under Section 181 read with Section 61, 86(1)(e) of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, the Punjab State Electricity Regulatory Commission hereby makes the following regulations namely:

1 Short title & commencement

- 1.1 These Regulations may be called the Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021
- 1.2 These Regulations shall extend to the whole of the State of Punjab.
- 1.3 These Regulations shall come into force from the date of publication of the same in the official Gazette.

2. Definitions & Interpretation

In these Regulations, unless the context otherwise requires:-

- (a) "Act" means the Electricity Act 2003 (36 of 2003), as amended from time to time;
- (b) "Agreement" means an agreement signed by the distribution licensee with the eligible consumer;
- (c) "Billing Cycle" or "Billing Period" means the period for which regular electricity bills, as specified by the Commission, are issued by the distribution licensee to different categories of consumers;
- (d) "Commission" means the Punjab State Electricity Regulatory Commission;
- (e) "Consumer" means any person who is supplied with electricity for his own use by a licensee or the Government or by any other person engaged in the business of supplying electricity to the public under the Act or any other law for the time being in force and includes any person whose premises are for the time being connected for the purpose of receiving electricity with the works of distribution licensee, the Government or such other person, as the case may be;

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- (f) “Contract Demand” means the maximum demand in kVA (kilo Volt Ampere) sanctioned to the consumer and computed in the manner as approved by the Commission;
- (g) “Days” means clear working days;
- (h) “Distribution Licensee” means a licensee authorized to operate and maintain a distribution system for supplying electricity to the consumers in his area of supply;
- (i) “Eligible Consumer” means a consumer of electricity in the area of supply of distribution licensee, who uses or intends to use a rooftop SPV system installed in his premises to offset part or all or no part of the own electrical requirements, given that such systems can be ‘self owned’ or ‘third party owned’;
- (j) “Financial Year” or “Year” means period beginning from first day of April and ending with thirty first day of March of next year in English Calendar Year;
- (k) “Generation Meter” means a unidirectional energy meter to measure the electricity generated by Solar Photo Voltaic (SPV) system, for the purpose of accounting and settlement;
- (l) “GoP” means Government of Punjab in the Department of New and Renewable Energy;
- (m) "Gross-metering" means a mechanism whereby the total solar energy generated from Grid Interactive Rooftop Solar Photovoltaic system of a Prosumer and the total energy consumed by the Prosumer are accounted separately through appropriate metering arrangements and for the billing purpose, the total energy consumed by the Prosumer is accounted at the applicable retail tariff and total solar power generated is accounted for at feed-in tariff approved by the Commission;
- (n) “Interconnection Point” means the interface of rooftop solar power generation facility with the outgoing terminal of the meter/distribution licensee’s switchgear fixed in the premises of the Eligible Consumer;

Provided that, in case of an Eligible Consumer connected at the High Tension (HT) level, the inter-connection point shall mean the interface of the rooftop SPV system with the outgoing terminals of the distribution licensee’s metering cubicle placed before such consumer’s apparatus;

- (o) “Invoice” means the monthly bill or a supplementary bill or a monthly invoice or a supplementary invoice raised by the distribution licensee to the consumer;
- (p) “kWp” means kilo Watt peak;
- (q) "Net-billing or net feed-in" means a single bidirectional energy meter used for net-billing or net feed-in at the point of supply wherein the energy imported from the Grid and energy exported from Grid Interactive rooftop Solar photovoltaic system of a Prosumer are valued at two different tariffs, where-
- (i) the monetary value of the imported energy is based on the applicable retail tariff;
- (ii) the monetary value of the exported solar energy is based on feed-in tariff determined by the Commission;
- (iii) the monetary value of the exported energy is deducted from the monetary value of the imported energy to arrive at the net amount to be billed (or credited / carried-over);
- (r) “Net Meter” means a bidirectional energy meter capable of recording both import and export of electricity;

- (s) "Net-metering" means a mechanism whereby solar energy exported to the Grid from Grid Interactive rooftop Solar Photovoltaic system of a Prosumer is deducted from energy imported from the Grid in units (kWh) to arrive at the net imported or exported energy and the net energy import or export is billed or credited or carried-over by the distribution licensee on the basis of the applicable retail tariff by using a single bidirectional energy meter for net-metering at the point of supply;
- (t) "Obligated Entity" means the entity mandated by the Commission under clause (e) of sub section (1) of section 86 of the Act to fulfill the renewable purchase obligation and identified under PSERC (Renewable Purchase Obligation & its compliance) Regulations, 2011, as amended from time to time;
- (u) "Premises" means roof tops or/and any area on the land, building or infrastructure or part or combination thereof in respect of which a separate meter or metering arrangement have been made by the distribution licensee for the supply of electricity;
- (v) "Prosumer" is a person who consumes electricity from the grid and can also inject electricity into the grid for the distribution licensee using the same point of supply;
- (w) "Renewable Energy Certificate" (REC) means the certificate issued in accordance with the procedures prescribed in Central Electricity Regulatory Commission (Terms and Conditions for recognition & issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 as amended from time to time;
- (x) "Renewable Energy Service Company (RESCO)" means an energy service company which owns a renewable energy system and provides renewable energy to the consumer;

Provided that the distribution licensee may act as a RESCO. However, this business shall be treated as other business of the distribution licensee;

- (y) "Rooftop Solar System" means the Solar Photo Voltaic system installed in the premises of the consumer that uses solar energy for direct conversion into electricity through photo voltaic technology;
- (z) "Sanctioned Load" means the load in kW (kilowatt), or BHP (Break Horse Power), agreed to be supplied by the licensee and indicated in the A&A Form executed between the distribution licensee and the consumer;
- (za) "Settlement Period" means the period beginning from first day of October in an English calendar year and ending with thirtieth day of September of next year;
- (zb) "Supply Code" means the PSERC (Electricity Supply Code & Related Matters) Regulations, 2014, as amended from time to time;
- (zc) "Tariff Order" in respect of a licensee means the Order issued by the Commission for the relevant year for that licensee indicating the rates to be charged by the licensee from various categories of consumers for supply of electrical energy and for other services;
- (zd) All other words and expressions used in the Regulation although not specifically defined herein above, but defined in the Act (Electricity Act, 2003) shall have the meaning assigned to them in the Act;
- (ze) All other words and expressions used herein but not specifically defined in these regulations and the Act but defined in any other law passed by the Parliament/State Assembly or regulations framed under the Act, shall have the meaning assigned to them in such law/regulations.

3. Scope and Application

3.1 These Regulations shall apply to:

- (a) Net Metering arrangements;
- (b) Net Billing arrangements;
- (c) Gross Metering arrangements.

Provided that the eligible consumer can opt for only one arrangement i.e either net metering or net-billing or gross metering, as specified in these Regulations.

3.2 These Regulations do not preclude the right of any person to undertake renewable energy projects through alternative mechanism.

3.3 These Regulations shall be applicable to all Rooftop Solar Photo Voltaic Systems for which applications are received on or after notification of these regulations except Regulation 19 which shall also be applicable to Rooftop Solar Photo Voltaic Systems commissioned under the PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems based on Net Metering) Regulations, 2015.

Provided that these Regulations shall also be applicable for applications received on or after notification of these Regulations for enhancing the capacity of the already installed Rooftop SPV systems by an existing consumer.

4. Eligible consumer and individual project capacity.

4.1 All eligible consumers in the area of the supply of the distribution licensee can participate in the Rooftop SPV system under net metering or net billing or gross metering arrangements on a non-discriminatory and distribution transformer-wise or feeder-wise 'first come, first serve' basis subject to the provisions as specified in these Regulations and shall be called prosumer.

4.2 The maximum capacity of Rooftop SPV system (rated inverter capacity on AC side) to be installed at any eligible consumer's premises except domestic category consumers, shall not exceed 70 % of the sanctioned load (kW) or contract demand of the consumer (in kVA converted to kW by using a power factor of 0.9). In case of domestic consumers, the maximum capacity of Rooftop SPV systems shall not exceed the sanctioned load (kW) or contract demand of the consumer (in kVA converted to kW by using a power factor of 0.9);

4.3 The maximum capacity of Rooftop SPV systems under Net-Metering shall not exceed 500 kWp.

4.4 The maximum capacity of Rooftop SPV systems under Net-Billing or Gross Metering shall be subject to the sanctioned load/contract demand as specified in Regulation 4.2.

4.5 The maximum Rooftop SPV system capacity to be installed at an Eligible Consumer's premises shall be subject to the cumulative capacity of the relevant Distribution Transformer/feeder, which has already been utilized, as specified in Regulation 5.1;

Provided that a variation in the rated capacity of the system within a range of five percent shall be allowed.

4.6 The minimum capacity of Rooftop SPV system under net metering or net billing arrangements shall be 1 kWp for a single eligible consumer. Under gross metering arrangements, the minimum capacity shall be 50 kWp for a single eligible consumer.

5. Capacity Limit for Distribution Licensee

- 5.1 The distribution licensee shall allow Rooftop SPV systems to the eligible consumer as long as the total capacity (in MW) of rooftop solar systems does not exceed the target capacity determined by the Commission;

Provided that initially, a maximum cumulative capacity to be installed by eligible consumer in the area of supply of each distribution licensee shall be as decided by the Commission. Thereafter, the target capacity shall be reviewed on yearly basis by the Commission;

Provided further the cumulative capacity of all Rooftop Solar System under these Regulations allowed to be interconnected with the distribution network (distribution transformer/feeder owned by the distribution licensee) shall not exceed 80% of the rated capacity of the distribution transformer/feeder, as applicable.

- 5.2 The distribution licensee shall provide information regarding distribution transformer level capacity available for connecting rooftop solar system under these Regulations within two months from the date of notification of these Regulations. The distribution licensee thereafter shall update the distribution transformer level capacity available and the cumulative capacity of the rooftop solar systems installed under net metering and/or net billing arrangements on yearly basis by 30th April and shall provide the information on its website as well as to the Commission.

6. Interconnection with the Grid, Standards & Safety

- 6.1 The voltage level for interconnection with the grid shall be the voltage level at which the consumer has been given supply by the distribution licensee in accordance with the provisions of Supply Code, 2014, as amended from time to time.

- 6.2 The interconnection of the rooftop solar system with the network of the distribution licensee shall conform to the standards as provided in CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007, as amended from time to time and CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013, as amended from time to time, as applicable.

- 6.3 The interconnection of the rooftop solar system with the distribution system of the licensee shall conform to the relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply), Regulations, 2010, as amended from time to time.

- 6.4 The grid interactive rooftop solar system may be installed with or without battery backup:

Provided that where the rooftop solar system is installed with battery backup (full load backup/partial load backup), the inverter shall have appropriate arrangement to prevent the battery power to flow into the grid in the absence of grid supply and manual isolation switch shall also be provided.

- 6.5 The consumer shall be responsible for safe operation, maintenance and rectification of any defect of the rooftop solar system upto the point of Net Meter beyond which the responsibility of safe operation, maintenance and rectification of any defect in the system, including the Net Meter, shall be that of the licensee.

- 6.6 The rooftop solar system must be capable of detecting an unintended islanding condition. The system must have anti-islanding protection to prevent any feeding into the grid in case of failure of supply or the grid. Applicable IEC/IEEE technical standards shall be followed to test islanding prevention measure for grid connected inverters.

6.7 The licensee shall have the right to disconnect the rooftop solar system at any time to prevent any possible accident or damage to equipment, from such rooftop solar system to its distribution system, without any notice. The distribution licensee may call upon the prosumer to rectify the defect within a reasonable time.

6.8 Every Rooftop SPV systems shall be equipped with an automatic synchronization device.

Provided that the Rooftop SPV systems shall not be required to have separate synchronizing device if it is inherently built into the inverter.

6.9 The inverter shall have the features of filtering out harmonics and other distortions before injecting the energy into the system of the distribution licensee. The Total Voltage Harmonic Distortion (THD) and other distortions shall be within the limits specified in the IEEE technical standards/BIS/Supply Code, 2014 and/or as specified by the Authority. All equipments to be installed under these regulations should conform to the applicable BIS/IEEE standards.

7. Metering

7.1 All the meters installed at the Rooftop SPV system shall comply with the CEA (Installation and Operation of Meters) Regulations, 2006, as amended from time to time.

7.2 All meters shall have Advanced Metering Infrastructure (AMI) facility with RS 485 (or higher) communication port.

7.3 The generation meter (a unidirectional meter) is required to be installed as an integral part of the Rooftop SPV system at the point at which the electricity is generated by SPV System and delivered to the main panel.

7.4 The net metering equipment (Bi-directional meter) and the generation meter (unidirectional) as per CEA Metering Regulations shall be installed and maintained by the distribution licensee at the cost of the eligible consumer:

Provided the eligible consumer may procure the net meter/generation meter and present the same to the distribution licensee for testing and installation as per Regulation 21.2 of the Supply Code. In case meters are provided by the distribution licensee, the consumer shall pay the entire cost of the meters. No meter rental shall be charged from the consumer. The location of the meter shall be as per CEA Metering Regulation.

7.5 In case of Rooftop SPV system is set up under gross metering, an additional check meter for generation meter of appropriate class shall be installed by the distribution licensee.

7.6 The distribution licensee shall undertake meter testing before installation to ensure accuracy of the meters.

7.7 The installed meters shall be jointly inspected and thereafter sealed by the distribution licensee in the presence of the consumer.

7.8 If the eligible consumer is under the ambit of Time of the Day (TOD) Tariff, both the generation and net meter shall be capable of recording time of day consumption/generation.

7.9 The meter reading taken by the distribution licensee shall form the basis of commercial settlement.

8. Net metering arrangement

a) The consumers shall be eligible to opt for Net Metering arrangement as specified in Regulation 4.

- b) The consumer may set up Rooftop SPV system to offset the consumer's electricity consumption from the distribution licensee.
- c) The Rooftop SPV system installed at the prosumer's premises delivers excess electricity, if any, to the distribution licensee after offsetting the electricity supplied by the distribution licensee during the applicable billing period.
- d) The energy accounting and settlement under this arrangement shall be in accordance with Regulation 12.

9. Net billing arrangement

The solar energy generated by the SPV systems is consumed by the consumer with the surplus, if any, being exported as in case of net-metering arrangements. However under net billing arrangements, the monetary value of the imported energy from the grid is based on the applicable retail tariff. The monetary value of the exported solar energy to the grid is based on feed-in tariff approved by the Commission. The monetary value of the exported energy is deducted from the monetary value of the imported energy to arrive at the net amount to be billed (or credited/carried-over). With the net billing mechanism only a single bi-directional energy meter is needed as is done for net-metering. The consumers may opt for Net Billing arrangement as specified in Regulation 4. The energy accounting and settlement under this arrangement shall be in accordance with Regulation 13.

10. Gross Metering Arrangement

In case of gross metering, the consumer does not consume the solar power generated in his premise and entire solar generation is fed in to the grid which is billed at the rate of feed-in-tariff approved by the Commission. The total energy imported by the consumer from the grid is billed at retail tariff determined by the Commission. Two separate meters i.e generation meter and the consumer meter shall be used for gross metering at the point of supply.

The consumers may opt for Gross Metering arrangement as specified in Regulation 4 and shall further be restricted to the capacity and network configuration of the electricity system, and the power flows that SPV system may cause. The energy accounting and settlement under this arrangement shall be in accordance with Regulation 14.

11. Procedures for application and registration

- 11.1 The distribution licensee shall implement a web-based application processing system for processing the applications for Rooftop SPV systems.
- 11.2 The distribution licensee shall facilitate the process for setting up of Rooftop SPV system at consumers' premises. In this regard, the licensee shall prominently display on its website and in all its offices, the following:
 - i) detailed standardized procedure for installation & commissioning of roof top solar system.
 - ii) a single point of contact to facilitate the eligible consumers in installation of Rooftop solar system from submission of application form to commissioning.
 - iii) complete list of documents required to be furnished along with such applications:
 - iv) applicable charges to be deposited by the applicant.
 - v) Empanelled list of service providers for the benefit of consumers who want to install roof top solar PV system through service providers.

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- vi) financial incentives to the prosumers, as applicable under various schemes and programmes of the Central and State Government.
- vii) Standard Connection Agreement(s)
- 11.3 A consumer intending to set up the Rooftop SPV system shall submit the application online along with processing fee of Rs. 50/kW or part thereof of SPV Capacity subject to minimum of Rs. 500/- and maximum of Rs.10000/ to designated officer of the distribution licensee for grant of permission to set-up the plant. The acknowledgement with the registration number shall be generated on submission of application;
- 11.4 The 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 to monitor the status of processing of the application like receipt of application, site inspection, meter installation and commissioning, etc.
- 11.5 The distribution licensee shall complete technical feasibility study within 20 days of the date of acknowledgement issued to the applicant.
- 11.6 If technical feasibility is found satisfactory, the distribution licensee shall approve the application and intimate the same to the applicant by providing a Letter of Approval (LoA) via registered email/SMS/post within 22 days from the issuance of acknowledgement of the application.
- 11.7 In case of any deficiencies found in the application or during technical feasibility study, the same shall be intimated by the distribution licensee to the applicant through registered email/SMS notification within 20 days from the date of issuance of acknowledgement of the application failing which it shall be deemed to have been found in order by the distribution licensee.
- 11.8 The applicant shall remove all identified deficiencies within a period of 15 days from the receipt of intimation and intimate the distribution licensee about the resolution of deficiencies through email/post.
- Provided that the distribution licensee shall assess the resolution of deficiencies and provide LoA to the applicant upon satisfaction. In case deficiencies are not removed in the said period, the application shall stand cancelled.
- 11.9 In case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, etc., for installation of the required capacity of solar PV system, the same shall be carried out by the distribution licensee within a period of 180 days failing which the application of the consumer for setting up SPV plant shall be deemed to have been approved.
- 11.10 In case it is not technical feasible to permit installation of SPV system on account of target capacity limit and/or distribution infrastructure specified under these Regulations, it shall be intimated to the applicant within 22 days from the issuance of the acknowledgement of the application.
- Provided that in such case, the application shall not stand rejected and shall be put on a priority wait list. As and when the technical feasibility is re-established, the application which have been put on priority waiting list shall be considered first before processing any new application.
- 11.11 The consumer shall set up the plant and submit the installation certificate alongwith Single Line Diagram of the synchronizing and protection arrangement issued by the plant supplier/EPC contractor

as per standards and specifications approved by the competent authority within 180 days of receiving the LoA.

- 11.12 In case of delay, the consumer shall submit an application to the distribution licensee along with extension fee of Rs. 25/kW of SPV capacity subject to minimum of Rs. 250/- and maximum of Rs. 5,000/- atleast 15 days prior to lapse of 180 days period. Such extension will be granted by the distribution licensee within 15 days of the receipt of the request for a maximum period of 2 months only failing which it shall be deemed to have been approved. The approval granted will lapse automatically if the project is not set-up even in the extended 2 months period. In case the consumer fails to install the system within 180 days or get the period extended then the application shall stand cancelled and the prosumer shall need to re-apply. However, the consumer will be eligible to apply afresh in the next financial year but his application will be kept at the bottom of the list of applicants. Such consumer will be permitted to set-up the plant only if after allotting the capacity to all successful applicants above him in the next financial year, there is still capacity available for allotment.
- 11.13 After submission of the installation certificate and site verification, distributing licensee shall complete signing of connection agreement for a period of upto 25 years, installation and sealing of the Bi-directional energy meter/unidirectional generation meter and successful commissioning of the SPV system within 30 days of the submission of installation report.

COMMERCIAL ARRANGEMENTS

12 Net Metering - Energy Accounting and Settlement

- 12.1 The Distribution Licensee shall record the meter reading of both the Generation Meter and the Net Meter, for all Eligible Consumers, as per the regular billing cycle.
- 12.2 For each Billing Cycle, the Distribution Licensee shall make the following information available on its bill to the Eligible Consumer:
- a) Quantum of Solar Energy generation recorded in the Generation Meter in the billing period;
 - b) Quantum of electricity units imported by the consumer from the distribution licensee's supply system in the billing cycle, including opening and closing balance;
 - c) Quantum of Solar Energy exported by the consumer to the grid in the billing cycle, including opening and closing balance;
 - d) Quantum of net billed electricity units, for which a payment is to be made by the Consumer;
 - e) Solar generation units used by the Distribution Licensee for RPO compliance.
 - f) Excess electricity carried forward from the last billing cycle;
 - g) Excess electricity carried forward to the next billing cycle;
 - h) Installed capacity of Rooftop SPV Plant.
- 12.3 The energy generated by the Rooftop SPV system shall be offset against the energy consumption of the prosumer from the Distribution Licensee in the following manner:
- a) In case the electricity injected by the Rooftop SPV system exceeds the electricity consumed from the licensee's supply system during the billing period, such excess injected electricity shall be carried forward to the next billing period as excess electricity and may be utilized in the following billing periods but within the same settlement period;
 - b) In case the electricity supplied by the distribution licensee during any billing period exceeds the

electricity injected in the grid by the prosumer, the distribution licensee shall raise a bill for the net electricity consumption as per applicable tariff of that category after taking into account any excess electricity carried forward from the previous billing period;

- c) In case the prosumer is under the ambit of time of day tariff, as determined by the Commission from time to time, the following process shall be followed:
- i. Electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity generation in the same time block.
 - ii. Any excess generation over consumption in any time block in a billing cycle shall be accounted as if the excess generation occurred during the immediately lower tariff time block.
 - iii. This process will continue till all consumption in lower tariff blocks is set off against prosumer generation.
 - iv. Any excess generation after setting off consumption in lower tariff time blocks would be carried forward to the next billing cycle.
 - v. Same process would be used to set off consumption in the subsequent billing cycle.
- d) The electricity generated from a rooftop solar system shall not exceed 90% of the electricity consumption by the consumer in a settlement period:

Provided that in the event of electricity generated exceeds 90% of the electricity consumed at the end of the settlement period no payment shall be made by the distribution licensee and shall not be carried forward to next settlement period and the same shall be treated as inadvertent injection:

Provided further that at the beginning of each settlement period, cumulative carried over solar electricity injected shall be reset to zero.

- e) The injected electricity measured in kilowatt hour (kWh)/kVAh shall only be utilized to offset the consumption measured in kWh/kVAh and shall not be utilized to compensate any other fee and charges levied by the distribution licensee;
- f) In case, the consumer tariffs have been determined by the Commission on kVAh basis, the generation and consumer meter readings shall also be taken in kVAh and settlement of energy done accordingly.
- g) Regardless of availability of excess electricity with the prosumer during any billing period, the prosumer will continue to pay all other charges such as fixed/demand charges, Government levy, etc.
- h) In case the prosumer leaves the system, the excess electricity shall be considered as inadvertent injection and shall not be paid for by the distribution licensee.

13 Net Billing or net feed-in arrangement-Energy Accounting and Settlement

13.1 For each Billing Period, the Distribution Licensee shall make the following information available on its bill to the Eligible Consumer:

- a) Quantum of Solar generation recorded in the Generation Meter, in the billing period;
- b) Quantum of electricity units imported from the licensee's supply system by the Consumer in the billing period, including opening and closing balance;

- c) Quantum of Solar Energy exported to the grid by the consumer in the billing cycle, including opening and closing balance;
- d) Billing Credit carried forward from the last billing period;
- e) Billing Credit carried forward to next billing period;
- f) Solar generation units used by the Distribution Licensee for RPO compliance;
- g) Installed capacity of Rooftop SPV Plant.

13.2 The Distribution Licensee shall raise bill on the prosumer in accordance with the following equation:
 Energy Bill of consumer = Fixed Charges + other applicable charges and levies + (EDL x TRST)-
 ERE x TRE) – Billing Credit (carried forward from last billing cycle);

Where:

- a) Fixed Charges means the Fixed/Demand Charges as applicable to the consumer category as per the applicable retail supply Tariff Order;
- b) Other charges and levies mean any other charges such as electricity duty, municipal tax, cess, etc.;
- c) EDL means the energy imported from the Distribution Licensee's supply system by the Consumer for the billing cycle;
- d) TRST means the applicable Retail Supply Tariff of the concerned consumer category as per the applicable retail supply tariff order of the Commission;
- e) ERE means the energy units exported to the grid by the consumer for the billing period;
- f) TRE means the feed-in-tariff approved by the Commission;
- g) Billing Credit is the amount by which the value of solar generation in a particular billing cycle is more than the value of all other components of consumer bill.

13.3 In case the consumer is subjected to time of day tariffs, energy bill (EDL x TRST) shall be computed accordingly.

13.4 In case (ERE x TRE) is more than {Fixed charges + other applicable charges and levies + (EDL x TRST)}, utility shall give credit of amount equal to difference (Billing Credit), which shall be carried forward to the next billing cycle.

13.5 Such Billing Credit would be carried forward for the settlement period. At the end of the settlement period, if there is any outstanding Billing Credit, it shall not be paid by the distribution licensee.

14 Gross Metering arrangement- Energy Accounting and Settlement

The energy consumed by the consumer during the billing cycle shall be billed at the retail tariff applicable for the relevant category as determined by the Commission in the tariff order whereas energy generated during the billing cycle shall be billed at feed-in-tariff approved by the Commission. A single invoice may be raised by the distribution licensee.

15 Energy Accounting during meter defect/failure/burnt

15.1 In case of defective/failure/burnt condition of any meter, the prosumer shall report the failure to the Distribution Licensee

15.2 Distribution Licensee shall replace the meter as specified in the Supply Code, 2014.

15.3 The electricity generated by the Rooftop SPV system during the period in which the meter is defective shall be determined based on the readings of the Check Meter:

Provided that if the Check Meter is not installed, then the electricity generated shall be considered equal to the average monthly generation in the last one year or corresponding period of last year.

- 15.4 The consumption of the Consumer during the period in which the Consumer meter or Net Meter is defective shall be determined as specified in the Supply Code, 2014.

16. Applicability of other charges

The SPV system installed under these Regulations shall be exempted from all wheeling, cross subsidy, transmission and distribution and banking charges and surcharges.

17. Eligibility to Participate under Renewable Energy Certificate (REC) Mechanism

The eligibility for issuance of renewable energy certificate shall be as per the eligibility criteria specified under Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010, as amended from time to time.

18. Renewable Purchase Obligation

The quantum of Solar generation, as recorded by the Generation Meter, by eligible consumer, who is not defined as obligated entity, from the rooftop solar system shall qualify towards compliance of Renewable Purchase Obligation (RPO) for the distribution licensee.

Provided that in case the Rooftop SPV system is set up by an obligated entity, entire solar energy generated by these Rooftop SPV systems shall be accounted for RPO compliance by the obligated entity.

19. Penalty or Compensation

- 19.1 In case of failure to meet timelines prescribed under these Regulations, the distribution licensee shall take approval from the Commission in specific cases along with justification for the same. 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 @ Rs. 500 per day for each day of delay for SPV systems not exceeding 10 kWp. For SPV systems exceeding 10 kWp, the compensation shall be Rs. 50 per kWp for each day of delay subject to maximum of Rs. 2000 for each day of delay.
- 19.2 In case the installed capacity of the SPV plant in the premises of the prosumer is found to more than the sanctioned capacity, the energy injected in to the grid by such prosumer for the last 6 billing cycles or date of installation, whichever is later, shall be treated as inadvertent injection and no payment shall be payable to the prosumer for such injection by the distribution licensee. A 15 days notice shall be served to the prosumer to disconnect the excess capacity failing which the agreement may be terminated by the distribution licensee. The consumer may apply afresh in the next financial year but his application will be kept at the bottom of the list of applicants. Such consumer will be permitted to set-up the plant only if after allotting the capacity to all successful applicants above him in the next financial year, there is still capacity available for allotment.
- 19.3 In case any SPV plant is found to be running in parallel with the supply system of the distribution licensee without approval then supply of such consumer may be disconnected without notice and the supply shall be restored only after the plant is isolated from the supply system of the licensee. Such consumer may apply for SPV plant in the next financial year but his application will be kept at the bottom of the list of applicants. Such consumer will be permitted to set-up the plant only if after allotting the capacity to all successful applicants above him, there is still capacity available for allotment.

20. Dispute Resolution Mechanism

In case of any monetary and/or non-monetary dispute with the Distribution Licensee, the prosumer shall have recourse, to the mechanism specified in PSERC (Forum and Ombudsman) Regulations, 2016, as amended from time to time

21. Termination of agreement

21.1 The eligible consumer may terminate the agreement at any time by giving 30 days prior written notice to the licensee.

21.2 If an eligible consumer breaches any term of the agreement and does not remedy the breach within 30 days of receipt of written notice from the distribution licensee of the breach or any other valid reason to be recorded in writing, the distribution licensee may terminate the agreement through a speaking order without any further notice.

21.3 Eligible consumer, upon termination of the agreement, shall disconnect forthwith the photovoltaic system from licensee's distribution system.

22. Power to issue Practice directions

Subject to the provisions of the Act, the Commission may from time to time issue such directions and orders as considered appropriate for implementation of these Regulations.

23. Removal of difficulties

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by an order, make such provision, not being inconsistent with the Act and these Regulations, which appears to the Commission to be necessary for removal of the difficulties.

24. 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 of its own or on an application made before it by an interested person.

25. Power to amend

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

26. Repeal and savings

Save as otherwise provided in these Regulations, the PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems based on Net Metering) Regulations, 2015, as amended from time to time, are hereby repealed.

Provided that save as otherwise provided in these Regulations, the Rooftop SPV systems registered under PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems based on Net Metering) Regulations, 2015 shall continue to be governed by the aforesaid Regulations and shall not be governed by these Regulations.

Order of the Commission

Sd/-

Secretary to the Commission



Punjab Government Gazette

EXTRAORDINARY

Published by Authority

CHANDIGARH, MONDAY, MARCH 11, 2024 (PHALGUNA 21, 1945 SAKA)

PUNJAB STATE ELECTRICITY REGULATORY COMMISSION

NOTIFICATION

The 11th March, 2024

No. PSERC/Secy./Regu.186.- In exercise of powers conferred under Section 181 read with Section 61, 86(1)(e) of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, the Punjab State Electricity Regulatory Commission hereby makes the following regulations to further amend the Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021 (hereinafter referred to as “the Principal Regulations”) namely:

1. Short title & commencement

- 1.1 These Regulations may be called the Punjab State Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photo Voltaic Systems) (1st amendment) Regulations, 2024
- 1.2 These Regulations shall extend to the whole of the State of Punjab.
- 1.3 These Regulations shall come into force from the date of publication in the official Gazette of the State.

2. Amendment of Regulation 2(za) of the Principal Regulations

The Regulation 2(za) of the Principal Regulations shall be substituted as under;

2(za) “**Settlement Period**” means the period beginning from first day of October in an English calendar year and ending with thirtieth day of September of next year except in case of all cotton ginning, pressing and baling plants, all rice shellers, all rice bran stabilization units (without T.G. Sets) and kinnow grading & waxing centres defined as seasonal industry in General Conditions of Tariff where settlement period shall be beginning from first day of April in an English calendar year and ending with thirty first day of March of next year;

3. Amendment of Regulation 3 of the Principal Regulations

In Regulation 3.3 of the Principal Regulations, the following provisos shall be inserted after first proviso;

Provided further that the settlement period, as per regulation 2(za) of these regulations, shall also be applicable to the Rooftop Solar Photo Voltaic Systems already commissioned or for which applications have been received on or before the notification of PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems) (1st amendment) Regulations, 2024.

Provided also that the current settlement period of Rooftop Solar Photo Voltaic Systems set up by seasonal industrial consumers covered under these regulations and commissioned or for which applications have been received on or before the notification of PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems) (1st amendment) Regulations, 2024 which is to end on 30.09.2024 shall be extended to 31st March 2025.

Sd/-
Secretary to the Commission

Note: The Principal Regulations were issued vide Notification No. PSERC/Secy./Regu.158 dated 18.08.2021 published in Punjab Govt. Gaz.(Extra) dated 18.08.2021

3062/3-2024/Pb. Govt. Press, S.A.S. Nagar



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असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (i)
PART II—Section 3—Sub-section (i)

प्राधिकार से प्रकाशित
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नई दिल्ली, बृहस्पतिवार, फरवरी 22, 2024/फाल्गुन 3, 1945
NEW DELHI, THURSDAY, FEBRUARY 22, 2024/PHALGUNA 3, 1945

विद्युत मंत्रालय

अधिसूचना

नई दिल्ली, 22 फरवरी, 2024

सा.का.नि. 125(अ).—केंद्रीय सरकार, विद्युत अधिनियम, 2003 (2003 का 36) की धारा 176 की उप धारा (1), उपधारा (2) के खंड (य) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, विद्युत (उपभोक्ता अधिकार) नियम, 2020 का, और संशोधन करने के लिए निम्नलिखित नियम बनाती है, अर्थात्-

- (1) इन नियमों का संक्षिप्त नाम विद्युत (उपभोक्ता अधिकार) संशोधन नियम, 2024 है।
(2) ये राजपत्र में इनके प्रकाशन की तारीख से प्रवृत्त होंगे।
- विद्युत (उपभोक्ता अधिकार) नियम, 2020 (जिसे इसमें इसके पश्चात मूल नियम कहा गया है), के नियम 2 के, उपनियम (1) में,-
 - खंड (ट) के पश्चात, निम्नलिखित खंड अंतःस्थापित किया जाएगा, अर्थात्: -

'(टक) "स्वामी" से वह व्यक्ति अभिप्रेत है जिसके पास संपत्ति पर पूर्ण अधिकार है और पद स्वामी के अंतर्गत विधिक वारिस आता है;
 - खंड (डख) के पश्चात, निम्नलिखित खंड अंतःस्थापित किया जाएगा, अर्थात्:-

"(डग) 'रेजिडेंट वेलफेयर एसोसिएशन' (जिसे इसमें इसके पश्चात् एसोसिएशन कहा गया है) से सहकारी समूह आवासीय सोसायटी, बहुमंजिला इमारत, आवासीय कॉलोनी या राज्य सरकार के साथ रजिस्ट्रीकृत समान निकाय में आने वाले सभी संपत्ति के स्वामियों का एक एसोसिएशन, अभिप्रेत है।"

3. मूल नियम के, नियम 4 में,-

(i) उप-नियम (11) के स्थान पर निम्नलिखित उप-नियम रखा जाएगा, अर्थात्:-

"(11) सभी प्रकार से पूर्ण आवेदन को जमा करने के पश्चात्, वितरण अनुज्ञप्तिधारी द्वारा नए कनेक्शन उपलब्ध कराने या मौजूदा कनेक्शन में संशोधन की अधिकतम अवधि आयोग द्वारा विनिर्दिष्ट की जाएगी जो मेट्रोपोलिटन क्षेत्रों में तीन दिन, अन्य नगरपालिका क्षेत्रों में सात दिन और ग्रामीण क्षेत्रों में पन्द्रह दिन से अधिक नहीं होगी:

परंतु यह कि पहाड़ी इलाकों वाले राज्यों और संघ राज्य क्षेत्रों के ग्रामीण क्षेत्रों के लिए, सभी प्रकार से पूर्ण आवेदन प्रस्तुत करने के पश्चात्, नए कनेक्शन या विद्यमान कनेक्शन के संशोधन के लिए अधिकतम समय अवधि तीस दिन से अधिक नहीं होगी:

परंतु यह और कि जहां ऐसी आपूर्ति के लिए वितरण मेन के विस्तार, या नए उप-स्टेशनों को शुरू करने की आवश्यकता हो, वितरण अनुज्ञप्तिधारी ऐसे विस्तार या शुरुआत के तुरंत पश्चात् नब्बे दिनों की अवधि के भीतर ऐसे परिसरों में विद्युत की आपूर्ति करेगा।

स्पष्टीकरण: इस नियम के प्रयोजनों के लिए, 'पहाड़ी इलाके वाले राज्य और संघ राज्य क्षेत्रों' से अरुणाचल प्रदेश, हिमाचल प्रदेश, मणिपुर, मेघालय, मिजोरम, नागालैंड, सिक्किम, त्रिपुरा, उत्तराखंड, जम्मू-कश्मीर संघ राज्य क्षेत्र और लद्दाख संघ राज्य क्षेत्र अभिप्रेत है।"

(ii) उप-नियम 13 के पश्चात् निम्नलिखित उप-नियम अंतःस्थापित किए जाएंगे, अर्थात्:-

"(14) एसोसिएशन के अधीन आने वाले क्षेत्र के भीतर:

(क) वितरण अनुज्ञप्तिधारी ऐसे एसोसिएशन में अधिकांश घर या फ्लैट के स्वामियों की पसंद के आधार पर या तो एसोसिएशन के लिए एकल बिंदु कनेक्शन या प्रत्येक स्वामी के लिए अलग कनेक्शन देगा तथा विकल्प का अभिनिश्चय वितरण अनुज्ञप्तिधारी द्वारा आयोजित किए जाने वाले पारदर्शी मतदान के माध्यम से किया जाएगा;

परंतु यह कि यदि पचास प्रतिशत से अधिक स्वामीव्यक्तिगत कनेक्शन पसंद करते हैं तो प्रत्येक स्वामी को व्यक्तिगत कनेक्शन दिया जाएगा।

(ख) मीटरिंग, बिलिंग और संग्रहण निम्न के लिए पृथक रूप से की जाएगी:-

(i) वितरण अनुज्ञप्तिधारी से प्राप्त व्यक्तिगत विद्युत की खपत,

(ii) एसोसिएशन द्वारा आपूर्ति की गई बैकअप विद्युत की व्यक्तिगत खपत; और

(iii) ऐसे एसोसिएशन के सामान्य क्षेत्र के लिए विद्युत की खपत जो वितरण अनुज्ञप्तिधारी से प्राप्त होती है।

(ग) एकल बिंदु कनेक्शन की दशा में मीटरिंग, बिलिंग और संग्रहण के लिए एसोसिएशन उत्तरदायी होगा तथा व्यक्तिगत कनेक्शनों के लिए, ये उत्तरदायित्व वितरण अनुज्ञप्तिधारी को निहित होंगे।

(घ) एकल बिंदु कनेक्शन की दशा में:

(i) व्यक्तिगत विद्युत की खपत के लिए एसोसिएशन द्वारा प्री-पेमेंट मीटर के माध्यम से काटे गए प्रभार या बनाए गए बिल, बिना लाभ-हानि के आधार पर होंगे।

- (ii) एसोसिएशन को एकल बिंदु कनेक्शन देने के लिए वितरण अनुज्ञप्तिधारी का टैरिफ, लो टेंशन घरेलू प्रवर्ग हेतु औसत बिलिंग दर से अधिक नहीं होगा।
- (iii) वितरण अनुज्ञप्तिधारी द्वारा आपूर्ति की गई विद्युत के लिए एसोसिएशन द्वारा की गई कुल बिलिंग वितरण अनुज्ञप्तिधारी को संदत्त कुल टैरिफ से अधिक नहीं होगी।
- (iv) व्यक्तिगत उपभोक्ता के परिसर तक विद्युत उपलब्ध कराने के लिए उपगत उप-वितरण नेटवर्क लागत हेतु समुचित आयोग द्वारा विहित अतिरिक्त रकम प्रभारित की जा सकती है।

(15) किसी एसोसिएशन या किसी एसोसिएशन में फ्लैट या घर के स्वामी या किसी अन्य उपभोक्ता के अनुरोध पर, वितरण अनुज्ञप्तिधारी इलेक्ट्रिक वाहन चार्जिंग प्रणाली के लिए विद्युत की आपूर्ति हेतु एक अलग कनेक्शन प्रदान करेगा;

स्पष्टीकरण.- इस उप-नियम के प्रयोजनों के लिए, यह स्पष्ट किया जाता है कि इस कनेक्शन को प्रदान करने की समय-सीमा नियम 4 के उप-नियम 11 के अनुसरण में होगी।

4. मूल नियमों के, नियम 5 में उप-नियम (7) के स्थान पर निम्नलिखित उप-नियम रखा जाएगा, अर्थात्:-

“(7) वितरण अनुज्ञप्तिधारी द्वारा मीटरों का परीक्षण, उपभोक्ता से उसकी मीटर रीडिंग विद्युत की खपत के अनुरूप नहीं होने, मीटर के रुकने, सील के क्षतिग्रस्त होने, मीटर के जलने या क्षतिग्रस्त होने और ऐसी किसी घटनाओं के बारे में शिकायत प्राप्त होने के तीस दिनों के भीतर किया जाएगा:

परंतु यह कि किसी उपभोक्ता द्वारा मीटर रीडिंग उसकी विद्युत की खपत के अनुरूप नहीं होने के संबंध में शिकायत की दशा में, वितरण अनुज्ञप्तिधारी शिकायत प्राप्त होने की तारीख से पांच दिनों के भीतर, खपत को सत्यापित करने के लिए, तीन महीने की न्यूनतम अवधि हेतु एक अतिरिक्त मीटर संस्थापित करेगा।”

5. मूल नियमों के, नियम 11 में,-

(i) उप-नियम (7) के स्थान पर निम्नलिखित उप-नियम रखा जाएगा, अर्थात्:-

“(7)रूफटॉप सोलर फोटो वोल्टिक प्रणाली की संस्थापना के लिए, तकनीकी व्यवहार्यता का अध्ययन पंद्रह दिन की अवधि के भीतर पूरा किया जाएगा और अध्ययन का परिणाम आवेदक को सूचित किया जाएगा, ऐसा न हो सकने पर यह माना जाएगा कि प्रस्ताव तकनीकी रूप से व्यवहार्य है।

(7 क)10 किलोवाट क्षमता तक की रूफटॉप सोलर फोटो वोल्टिकप्रणालियों के लिए सभी प्रकार से पूर्ण आवेदनों को तकनीकी व्यवहार्यता अध्ययन की आवश्यकता के बिना स्वीकार किया गया माना जाएगा और उपभोक्ता के स्वीकृत भार में कोई भी आनुपातिक वृद्धि, जो भी आवश्यक हो, वितरण अनुज्ञप्तिधारी द्वारा की जाएगी।”;

(ii) उप-नियम (8) के स्थान पर निम्नलिखित उप-नियम प्रतिस्थापित किया जाएगा, अर्थात्:-

(8) उप-नियम (7क) के अध्याधीन, व्यवहार्यता संबंधी अध्ययन या आवेदन की मानित स्वीकृति से लेकर संस्थापना के पूरा होने तक की समय अवधि के दौरान, यदि सोलर फोटो वोल्टिक प्रणाली की आवश्यक क्षमता की संस्थापना के लिए वितरण अवसंरचना के उन्नयन, जैसे, सेवा लाइन, वितरण ट्रांसफार्मर क्षमता और इस प्रकार की अवसंरचना में यदि वृद्धि की कोई आवश्यकता है तो, यथास्थिति, इसे वितरण अनुज्ञप्तिधारी या उपभोक्ता द्वारा किया जाएगा:

परंतु यह कि 5 किलोवाट की क्षमता तक या राज्य आयोग द्वारा विहित उच्चतर क्षमता तक रूफटॉप सोलर फोटो वोल्टिक प्रणालियों की संस्थापना को सुकर बनाने के लिए आवश्यकतानुसार, वितरण ट्रांसफार्मर सहित, वितरण अवसंरचना को सुदृढ़ करने की लागत, वितरण अनुज्ञप्तिधारी की राजस्व आवश्यकता में शामिल की जाएगी।

(iii) उप-नियम (9) के स्थान पर निम्नलिखित उप-नियम रखा जाएगा, अर्थात्:-

“(9) सोलर फोटो वोल्टिक प्रणाली की संस्थापना के पश्चात्, उपभोक्ता ऐसे वितरण अनुज्ञप्तिधारी को संस्थापना प्रमाण पत्र जमा करेगा और ऐसा वितरण अनुज्ञप्तिधारी संस्थापना प्रमाणपत्र जमा होने की तारीख से पंद्रह दिनों के भीतर कनेक्शन करार पर हस्ताक्षर, मीटर की संस्थापना और रूफटॉप सोलर फोटो वोल्टिक प्रणाली की सफल शुरुआत को पूरा करेगा।

(9क) कनेक्शन करार और संस्थापना प्रमाण पत्र के प्रारूपों को वितरण अनुज्ञप्तिधारी के वेब-पोर्टल पर रखा जाएगा।

[फा. सं. 23/05/2020-आरएंडआर]

श्रीकांत नागुलापल्ली, अपर सचिव

टिप्पणी : मूल नियम भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (i) में संख्याक सा.का.नि. 818(अ), तारीख 31 दिसंबर, 2020 द्वारा प्रकाशित किए गए थे तथा संख्याक सा.का.नि. 437 (अ), तारीख 14 जून, 2023 द्वारा अंतिम बार संशोधित किए गए थे।

MINISTRY OF POWER

NOTIFICATION

New Delhi, the 22nd February, 2024

G.S.R. 125(E).—In exercise of the powers conferred by sub-section (1), clause (z) of sub-section (2) of section 176 of the Electricity Act, 2003 (36 of 2003), the Central Government hereby makes the following rules, further to amend the Electricity (Rights of Consumers) Rules, 2020, namely:-

1. (1) These rules may be called the Electricity (Rights of Consumers) Amendment Rules, 2024.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Electricity (Rights of Consumers) rules, 2020 (here in after referred to as the principal rules), in rule 2, in sub-rule (1),-

(i) after clause (k), the following clause shall be inserted, namely:-

'(ka) "owner" means the person who is having absolute right over the property and the expression owner includes the legal heirs';

(ii) after clause (mb), the following clause shall be inserted, namely:-

“(mc) 'Resident Welfare Association' (here in after referred to as the Association) means an association comprising all the property owners within a Co-operative Group Housing Society, Multi storied Building, Residential Colony, or a similar body registered with the State Government.”

3. In the principal rules, in rule 4,-

(i) for sub-rule (11), the following sub-rule shall be substituted, namely:-

“(11) The Commission shall specify the maximum time period, after submission of application complete in all respects, not exceeding three days in metropolitan areas, seven days in other municipal areas and fifteen days in rural areas, within which the distribution licensee shall provide new connection or modify an existing connection:

Provided that for rural areas of States and Union Territories having hilly terrain, the maximum time period for new connection or modification of an existing connection, after submission of application, complete in all respects, shall not exceed thirty days:

Provided further that where such supply requires extension of distribution mains, or commissioning of new sub-stations, the distribution licensee shall supply the electricity to such premises immediately after such extension or commissioning within a period not exceeding ninety days.

Explanation: For the purposes of this rule, the term ‘States and Union Territories having hilly terrain’ means the States of Arunachal Pradesh, Himachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Uttarakhand, Union Territory of Jammu & Kashmir and Union Territory of Ladakh.”

(ii) after sub-rule 13, the following sub-rules shall be inserted, namely:-

“(14) Within the area covered under an Association:

(a) The distribution licensee shall provide either a single point connection for the Association or individual connections for each and every owner, on the basis of choice of the majority of the house or flat owners in such Association and the choice shall be ascertained by means of a transparent ballot to be held by the distribution licensee;

Provided that if more than fifty percent of the owners prefer individual connection then individual connection shall be given to each owner.

(b) the metering, billing, and collection shall be done separately for

(i) individual electricity consumption sourced from the distribution licensee;

(ii) individual consumption of back up power supplied by the Association; and

(iii) electricity consumption for common area of such Association sourced from the distribution licensee.

(c) In the case of a single point connection, the Association shall be responsible for metering, billing, and collection and for individual connections, these responsibilities shall vest with the distribution licensee.

(d) In the case of a single point connection:

(i) the charges deducted through pre-payment meters or bills raised by the Association for individual electricity consumption shall be on no-profit-no-loss basis.

(ii) the distribution licensee’s tariff for single point connection to Associations shall not exceed the average billing rate for low tension domestic category.

(iii) the total billing done by Association for the electricity supplied by the distribution licensee shall not exceed the overall tariff paid to the distribution licensee.

(iv) an additional amount as prescribed by the Appropriate Commission may be charged towards the sub-distribution network cost incurred for providing electricity up to the premises of the individual consumer.”

(15) On the request of an Association or an owner of the flat or house in an Association or any other consumer, the distribution licensee shall provide a separate connection for supply of electricity for Electric Vehicle charging system;

Explanation.- For the purposes of this sub-rule, it is clarified that the time line for providing this connection shall be in accordance with the sub-rule 11 of Rule 4.”

4. In the principal rules, in rule 5, for sub-rule (7), the following sub-rule shall be substituted, namely:-

“(7) The testing of meters shall be done by the distribution licensee within thirty days of receipt of the complaint from the consumer about their meter readings not being commensurate with his consumption of electricity, stoppage of meter, damage to the seal, burning or damage of the meter, and the like:

Provided that in case of complaint by a consumer regarding meter reading not being commensurate with his consumption of electricity, distribution licensee shall install an additional meter within five days from the date of receipt of the complaint, to verify the consumption, for a minimum period of three months.”

5. In the principal rules, in rule 11,-

(i) for sub-rule (7), the following sub-rule shall be substituted, namely:-

“(7) For installation of roof top solar photo voltaic 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.

(7A) The applications for roof top solar photo voltaic systems upto 10 kW capacity, 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.”;

(ii) for sub-rule (8), the following sub-rule shall be substituted, namely:-

(8) subject to sub-rule (7A), during the time period from the feasibility study or deemed acceptance of the application till the completion of installation, 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 roof top solar photo voltaic system, the same shall be carried out by the distribution licensee or consumer, as the case may be:

Provided that the cost of strengthening the distribution infrastructure, including distribution transformer, as necessary, to facilitate the installation of roof top solar photovoltaic systems up to a capacity of 5 kW or a higher capacity as prescribed by the State Commission, shall be included in the revenue requirement of the distribution licensee.

(iii) for sub-rule (9), the following sub-rule shall be substituted, namely:-

“(9) After installation of roof top solar photovoltaic system, the consumer shall submit the installation certificate to such distribution licensee and such distribution licensee shall complete signing of connection agreement, installation of meter and successful commissioning of the roof top solar photovoltaic system within fifteen days from the date of submission of the installation certificate.

(9A) The Formats of connection agreement and installation certificate shall be placed on web-portal of the distribution licensee.”

[F. No. 23/05/2020-R&R]

SRIKANT NAGULAPALLI, Addl. Secy.

Note : The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) *vide* number G.S.R. 818(E), dated the 31st December, 2020 and was last amended *vide* number G.S.R. 437(E), dated 14th June, 2023.



PUNJAB STATE POWER CORPORATION LIMITED
(O/O Engineer-in-Chief /Commercial, Patiala, Ph.No.0175-2214495)

Corporate Identity Number: U40109PB20108GC033813

Regd. Office- PSEB Head Office, The Mall, Patiala-147001

Tele Fax: .0175-2210320 email: ce-commercial@pspcl.in Website: www.pspcl.in

Commercial Circular No. 09/2024

To

All Engineer-in-Chief/Chief Engineer (DS),
Under Punjab State Power Corporation Limited.

Memo. No. 366/70/SWS/S-4/Net Metering/19/Vol-2

Dated:- 02.05.2024

Sub: Change in Technical Feasibility study of Rooftop Solar PV system applied under PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021.

As per PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021, PSPCL shall complete technical feasibility study within 20 days of the date of acknowledgement issued to the applicant. However Ministry of Power vide Notification dated 22.02.2024 has amended the Electricity (Rights of Consumers) Rules, 2020 and has issued following rules:-

“For installation of roof top solar photo voltaic 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.

The applications for roof top solar photo voltaic systems upto 10 kW capacity, 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.”

PSPCL has decided that the Rules will be adhered from the date of issuance of this Circular. The technical feasibility shall be completed within 15 days and for Rooftop Solar PV System having capacity upto 10 kWp on AC side, no technical feasibility shall be carried out and same shall deemed to be approved. In case any Transformer is required to be augmented then action as per PSERC Solar Regulation 2021 Regulation 11.9 shall be taken.

Meticulous compliance of the Circular be ensured. This circular can be downloaded from PSPCL website www.pspcl.in.

This issues with the approval of the competent authority.

2/5/24
Dy. CE/Sales-1
For: EIC/Commercial,
PSPCL, Patiala.

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾ ਅਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ:-

1. ਮਾਨਯੋਗ ਬਿਜਲੀ ਮੰਤਰੀ, ਕਮਰਾ ਨੰ: 24, 7th ਮੰਜਿਲ, ਪੰਜਾਬ ਸਿਵਲ ਸਕੱਤਰੇਤ-1, ਚੰਡੀਗੜ੍ਹ।
2. ਪ੍ਰਿੰਸੀਪਲ ਸੈਕਟਰੀ/ਫਾਇਨਾਸ ਟੂ ਗੋਰਮਿੰਟ ਪੰਜਾਬ ਐਕਸ ਆਫੀਸੋ ਮੈਂਬਰ, ਪੰਜਾਬ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ।
3. ਸਕੱਤਰ/ਬਿਜਲੀ ਵਿਭਾਗ, ਪੰਜਾਬ ਸਰਕਾਰ, ਕਮਰਾ ਨੰ: 6, ਪੰਜਾਬ ਸਿਵਲ ਸੈਕਟਰੀਏਟ, ਸੈਕਟਰ-1, ਚੰਡੀਗੜ੍ਹ।
4. ਸਕੱਤਰ, ਪੰਜਾਬ ਸਰਕਾਰ/ਇੰਡ: ਅਤੇ ਕਾਮਰਸ ਵਿਭਾਗ, ਉਦਯੋਗ ਭਵਨ, ਸੈਕਟਰ-17, ਚੰਡੀਗੜ੍ਹ।
5. ਪ੍ਰੈਜ਼ੀਡੈਂਟ, ਸਟੇਟ ਡਿਸਟ੍ਰਿਬਿਊਟਿਓਨ ਕਮਿਸ਼ਨ (ਪੰਜਾਬ) ਐਸ.ਸੀ.ਓ.ਨੰ: 3009-10, ਸੈਕਟਰ-22, ਚੰਡੀਗੜ੍ਹ।
6. ਸਕੱਤਰ, ਪੀ.ਐਸ.ਈ.ਆਰ.ਸੀ., ਐਸ.ਸੀ.ਓ.ਨੰ: 220-221, ਸੈਕਟਰ-34 ਏ, ਚੰਡੀਗੜ੍ਹ।
7. ਲੋਕਪਾਲ, ਬਿਜਲੀ, ਪੰਜਾਬ, 66 ਕੇ.ਵੀ. ਗਰਿਡ ਸਬ ਸਟੇਸ਼ਨ, ਪਲਾਟ ਨੰ: ਏ-2, ਉਦਯੋਗਿਕ ਖੇਤਰ, ਫੇਸ.1, ਐਸ.ਏ.ਐਸ. ਨਗਰ (ਮੁਹਾਲੀ)-160055
8. ਨਿੱਜੀ ਸਕੱਤਰ ਟੂ ਬਿਜਲੀ ਮੰਤਰੀ, ਪੰਜਾਬ ਸਿਵਲ ਸਕੱਤਰੇਤ, ਪੰਜਾਬ ਸਰਕਾਰ, ਚੰਡੀਗੜ੍ਹ।
9. ਚੀਫ ਕੋ-ਆਰਡੀਨੇਟਰ, ਉਦਯੋਗ ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ ਆਫ ਇੰਡੀਸਟਰੀਜ਼ ਪੰਜਾਬ, ਸੈਕਟਰ -17, ਚੰਡੀਗੜ੍ਹ।

ਵਧੀਕ ਨਿਗ: ਇੰਜ/ਸੇਲਜ-4

ਵਾ: ਪ੍ਰਮੁੱਖ ਇੰਜੀਨੀਅਰ/ਵਣਜ,

ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।

ਸੀ.ਸੀ.

The following may download the circular from PSPCL website (www.pspcl.in).

1. ਪੀ.ਐਸ.ਟੂ ਚੇਅਰਮੈਨ-ਕਮ-ਮੈਨੇਜਿੰਗ ਡਾਇਰੈਕਟਰ, ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮ, ਪਟਿਆਲਾ।
2. ਸਾਰੇ ਨਿਰਦੇਸ਼ਕ, ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮ, ਪਟਿਆਲਾ।
3. ਮੁੱਖ ਇੰਜ: ਚੇਅਰਮੈਨ (ਫੋਰਮ), ਪੀ.-1, ਵਾਈਟ ਹਾਊਸ, ਰਾਜਪੁਰਾ ਕਲੋਨੀ, ਪਟਿਆਲਾ।
4. ਮੁੱਖ ਪ੍ਰਬੰਧਕੀ ਅਤੇ ਆਈ.ਆਰ., ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।
5. ਮੁੱਖ ਬਿਜਲੀ ਇੰਸਪੈਕਟਰ, ਪੰਜਾਬ ਸਰਕਾਰ, ਪਟਿਆਲਾ।
6. ਮੁੱਖ ਆਡੀਟਰ, ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।
7. ਮੁੱਖ ਇੰਜੀਨੀਅਰ/ਏ.ਆਰ.ਆਰ. ਤੇ ਟੀ.ਆਰ., ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।
8. ਮੁੱਖ ਇੰਜ: ਆਈ.ਟੀ., ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।
9. ਡੀ.ਜੀ.ਐਮ./ਆਈ.ਟੀ., (ਐਸ.ਡੀ. ਅਤੇ ਆਈ.) ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ., ਪਟਿਆਲਾ।
10. ਉਪ ਮੁੱਖ ਇੰਜ/ਰੇਗੁਲੇਸ਼ਨ, ਉਪ ਮੁੱਖ ਇੰਜ/ਸੇਲਜ-2 ਅਤੇ ਉਪ ਮੁੱਖ ਇੰਜ/ਬਿਲਿੰਗ, ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ.।
11. ਸਾਰੇ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ (ਵੰਡ), ਪੀ.ਐਸ.ਪੀ.ਸੀ.ਐਲ.।
12. ਸਾਰੇ ਵਧੀਕ ਨਿਗ: ਇੰਜ: / ਸੀ.ਕਾ.ਕਾ.ਇੰਜ./ਏ.ਈ.ਈ. ਅਧੀਨ ਵਣਜ ਸੰਸਥਾ।



PUNJAB STATE POWER CORPORATION LTD.
OFFICE OF EIC/COMMERCIAL, PATIALA

To

All Engineer-in-Chief/ Chief Engineer(DS)
Under PSPCL

Memo. No. 629/633/SWS/S-4/Net Metering/19/Vol-2 Dated:- 20.06.2024

Sub: Change in timelines of Rooftop Solar PV system applied under PSERC (Grid Interactive Rooftop Solar Photo Voltaic Systems) Regulations, 2021.

In continuation to this office Commercial Circular No. 09/2024 vide which it was decided that the relevant provision of Electricity (Rights of Consumers) Rules, 2020 will be adhered. Now it has been noted that Electricity (Rights of Consumers) Rules, 2020 Amended vide notification dated 22.02.2024 has also issued following Rules:-

“After installation of roof top solar photovoltaic system, the consumer shall submit the installation certificate to such distribution licensee and such distribution licensee shall complete signing of connection agreement, installation of meter and successful commissioning of the roof top solar photovoltaic system within fifteen days from the date of submission of the installation certificate.”

As such PSPCL has decided that in continuation to CC No. 09/2024, the above rules will also be adhered from the date of issuance of these instructions. The competent official shall complete signing of connection agreement, installation of meter and successful commissioning of the roof top solar photovoltaic system within fifteen days from the date of submission of the installation certificate.

Meticulous compliance of the above instructions may be ensured by all the field officers.

This issues with the approval of competent authority.


Dy. CE/Sales-1,
For EIC/Commercial,

634/658 dated 20.06.2024

CC:-

- i. CE/IT PSPCL, Patiala for making necessary changes in online Window.
- ii. CE/Metering, PSPCL, Patiala for keeping sufficient stock of Smart Meters for commissioning of RTS project
- iii. Dy. CE/Tech to Director/D PSPCL, Patiala for information please.
- iv. Dy. CE/IPC PSPCL, Patiala for issuing required amendment in procedure (if required) and get the required changes done in Online Window.
- v. All Dy. CE/SE/DS, under PSPCL for necessary action please.

Bhopal the 14th July 2022

No. 1442/MPERC /2022 - 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, makes the following Regulations, namely: -

MADHYA PRADESH ELECTRICITY REGULATORY COMMISSION
(GRID INTERACTIVE RENEWABLE ENERGY SYSTEMS AND RELATED
MATTERS) REGULATIONS, 2022 {RG- 39(I) of 2022}

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, 2022 {RG- 39(I) of 2022}.
- (2) They shall extend to the whole of the State of Madhya Pradesh.
- (3) They 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 cycle”** means the period for which bills are raised;
 - (d) **“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;

- (e) **“Commission”** means the Madhya Pradesh Electricity Regulatory Commission constituted under the Act;
- (f) **“Consumer”** means a consumer as defined in the Act;
- (g) **“Contract demand” or “Sanctioned load”** means the maximum load in kilowatt (‘kW’) or kilovolt ampere (‘kVA’) or Horse Power (‘HP’), as the case may be, agreed to be supplied by the Distribution Licensee and contracted by the consumer, mentioned in the agreement;
- (h) **“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;
- (i) **“Electricity Supply Code”** means the Madhya Pradesh Electricity Supply Code, 2021 and subsequent amendments thereof;
- (j) **“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 or no part of the own’s electrical requirements, given that such systems can be self-owned or third party leasing such system to the consumer;
- (k) **“Financial Year” or “Year”** means the period beginning from first day of April as per English calendar year and ending with the thirty first day of the March of the next year;
- (l) **“Gross Metering”** means an arrangement under which all energy generated by Renewable Energy Generating System installed at prosumer’s premises, is purchased by the Distribution Licensee and the Distribution Licensee raises the bills on the prosumer for his consumption at the approved Retail Supply Tariff, after giving credit for total generated electricity at the discovered tariff as per the provisions laid down in these regulations;
- (m) **“Interconnection Point for Net Metering Arrangement”** means interface of Renewable Energy generating system with the outgoing 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 outgoing terminal of the Distribution Licensee’s metering equipment.
- (n) **“Interconnection Point for Gross 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 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 which 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) “**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 supply of electricity;
- (t) “**Prosumer**” means a person who consumes electricity from grid and can also inject electricity into the grid for Distribution Licensee, using same point of supply, as applicable in case of net metering or gross metering arrangement;
- (u) “**Renewable Energy Generation Meter**” means an energy meter used for measuring the energy generated by Renewable Energy generating system for the purpose of accounting and billing for gross metering arrangement;
- (v) “**Renewable Energy Generating System**” means the Renewable Energy power system that uses Renewable Energy for conversion into electricity with or without energy storage and which is owned and/or operated by such prosumer and which is installed on premises owned by prosumer;

- (w) **“Retail Supply Tariff Order”** in respect of a Licensee means the most recent order issued by the Commission for that licensee indicating the rates to be charged by the licensee to the various categories of consumers for supply of electrical energy and services;
- (x) **‘Storage’** means energy storage system utilizing methods and technologies like Solid State Batteries or any other technology, to store various forms of energy and to deliver the stored energy in the form of electricity; and
- (y) **“Settlement Period”** means the period at the end of which Net Metering or Gross 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 October as per English calendar year and ending with the thirtieth day of September of the next year.

Words and expressions which are not defined in these Regulations shall have the same meaning as assigned in the Act. 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 Arrangements
- (b) Gross Metering Arrangements

2. These Regulations shall be applicable to all Grid Interactive Renewable Energy Generating Systems:

Provided that, existing prosumers who are already availing the facility of Net Metering and have installed capacity above 500 kW shall continue to get the benefit of net metering facility under these Regulations.

4. General Conditions of Net Metering Arrangements and Gross Metering Arrangements:-

1. Net Metering Arrangement or Gross Metering Arrangement, 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 or as may be specified in future.

2. The Eligible Consumer of all categories may install the Renewable Energy Generating System under the Net Metering Arrangement up to 500 kW capacity.
3. The Eligible Consumer of all categories may install the Renewable Energy Generating System under the Gross Metering Arrangement maximum up to 1 MW.
4. The prosumer can either avail facility of net metering arrangement or gross metering arrangement under these Regulations within the same premises.
5. The minimum size of the Renewable Energy Generating System that can be set up under Net Metering Arrangement and Gross Metering Arrangement would be 1 kW.
6. The capacity of the Renewable Energy Generating System to be installed at the Eligible Consumer's premises 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.
7. Eligible Consumers with pending arrears with the Distribution Licensee shall not be eligible for Net Metering Arrangement or Gross Metering Arrangement under these Regulations.
8. 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.
9. Third party sale shall not be allowed.

5. Capacity of Distribution Transformer: -

The Distribution Licensee shall update distribution transformer level capacity available for connecting Renewable Energy systems under Net Metering or Gross 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-3**:

Provided that the cumulative capacity allowed at a particular distribution transformer of Distribution Licensee shall not exceed **70%** of the rated capacity of the distribution transformer.

Provided further that in case of HT/EHT Consumer, the installed capacity of the Renewable Energy system under Net Metering or Gross Metering Arrangement shall not be more than 70% of the rated capacity of the transformer of the Distribution/Transmission Licensee catering supply to such consumer.

6. 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, 2010, and the Madhya Pradesh Electricity Grid Code 2019 (Revision II) or as may be specified in future.
2. The prosumer, who installs Renewable Energy generating system, shall be responsible 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 to rectify the defect within a reasonable time.

4. The renewable energy system must be capable of detecting an unintended islanding condition. 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 measure 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 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.

7. Energy Accounting and Settlement:-

7A. Net Metering Arrangement:-

1. The Distribution Licensee shall undertake meter reading of the bi-directional meter, for all prosumers, according to the regular billing cycle.
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; and
 - c. In such 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 generation in the same time block. Any cumulative excess generation over and above the consumption in any other time block in a billing cycle shall be accounted as if the excess generation occurred during the off-peak time block

Provided that the imported units under Regulation 7(A) clause 3(a), 3(b) and 3(c) shall satisfy the minimum energy charges criteria or Minimum Charges based on Consumption, as the case may be, 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.

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 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-1**.

7B 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 cycle.
2. For each Billing Period, the Distribution Licensee shall make the following information available on its bill to the prosumer:

- (a) Quantum of Renewable Energy generation recorded in the Renewable Energy Generation Meter, showing opening and closing balance;
 - (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. 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 7B(3) above and amount payable by prosumer as per Regulation 7B(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.

8. Renewable Purchase Obligation: -

The quantum of energy injected by the prosumer from the Renewable Energy System under Net Metering or Gross Metering Arrangement shall qualify towards compliance of Renewable Purchase Obligation (RPO) for the Distribution Licensee.

9. Applicability of other charges: -

The Renewable Energy system under Net Metering or Gross Metering Arrangement, as the case may be, whether self-owned or third party owned installed on prosumer premises, shall be exempted from banking charge, wheeling charges, cross subsidy surcharge and additional surcharge.

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 advance communication facility.

2. The Net Metering or Gross 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.
3. In case of 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.
4. In case of Gross Metering Arrangement, the existing consumer meter in the premises of the prosumer shall be continued for accounting and settlement for the units imported from the grid.
5. If the prosumer 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.
6. 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.
7. The prosumer shall procure, at his own cost, a Renewable Energy Generation Meter conforming to the applicable CEA Regulations.
8. The bi-directional meter or the Consumer meter (in case of Gross metering) and the Renewable Energy Generation Meter shall be installed close to the entrance within the premises so as to make it easily accessible to the meter reader.
9. 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. Processing of application and application fee: -

The Distribution Licensee shall facilitate the process for setting up of RE generation system at consumers' premises. In this regard, the licensee shall

- (a) Create an online portal for receiving applications from consumers 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) detailed standardized procedure in details 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 programmes of the Central and State Governments.
- (c) The Distribution Licensee shall make the form available on its website and through hard copy at its local offices.
- (d) The consumer of the premises shall submit the application to connect its Renewable Energy System to the distribution system of the Licensee in the specified form as **Annexure-2** to the Regulation along with processing fee of Rs. 1000 (Rupees One Thousand Only) at the local office of the concerned Distribution Licensee or online through Web portal of Distribution Licensees.
- (e) In case, the application form is submitted in hard copy, it will be received and acknowledgement 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.

- (f) Within 20 days, the Licensee shall complete the technical feasibility study and shall communicate to the applicant through email/SMS/post, the sanction / rejection of the application, as the case may be, along with the estimated amount to be deposited and the copy of agreement to be executed by the consumer.
- (g) 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.
- (h) During the time period from the feasibility study till the completion of installation, in case, there is any requirement of upgradation of distribution infrastructure like augmentation of service line, distribution transformer capacity, etc., for installation of the required capacity of Renewable Energy system, the same shall be carried out by the Distribution Licensee or consumer, 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.
- (i) After installation of Renewable Energy system, the prosumer 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. 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 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 may be provided under various schemes and programs of the Central and State Governments.
- (n) In case of any billing dispute, the prosumer may approach to the Electricity Consumer Grievance Redressal Forum of the concerned Distribution Licensee.

12. 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 11 (l) above.

13. Connection Agreement

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

14. Power to give Directions: -

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

15. 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.

16. Power to Amend: -

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

17. Repeal and Savings

1. The Regulations namely “Madhya Pradesh Electricity Regulatory Commission (Grid Connected Net Metering) Regulations 2015” and its all amendments thereto, are 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 (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 (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,
GAJENDRA TIWARI, Secy.

Annexure-1

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 2022-23:

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	421	69 per connection	55 per connection
51 to 150 Units	517	121 per connection	98 per connection
151 to 300 Units	655	26 for each 0.1 kW load	23 for each 0.1 kW load
Above 300 Units	674	27 for each 0.1 kW load	26 for each 0.1 kW load

Minimum Energy Charges: Rs. 70 per connection per month as minimum charges towards energy charges are applicable for above categories.

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 125 units, then the fixed charges shall be levied for 0.9 kW. In case the consumption is 350 units then the fixed charges shall be levied for 2.4 kW.

Assumption:

- Renewable Energy System Installed: 5 kW**
- Average Solar generation per day: 4 units/ kW**

Energy Accounting and settlement as per Regulation 7A of the MPERC (Grid Interactive Renewable Energy System and Related Matters) Regulations, 2022

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	Total Units generated by RE system = 600 units

S.No.	Information to be shown on bill	Values	Remarks
2.	Quantum of electricity supplied by the Distribution Licensee in the billing period, including opening and closing balance	450 Units	
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	In line with Regulation 8,

Therefore,

	Energy Charges to be paid by Prosumer	Slab	Rate (Paise per unit)	Billed Units	Amount (Rs.)
7	1. To be considered on Net billed Units = 300 Units (s.no.3 above), (Imported units are above the minimum energy charges criteria as per Retail Supply Tariff order.)	Up to 50 units	421	50	210.50
		51 to 150 Units	517	100	517.00
		151 to 300 Units	655	150	982.50
		Above 300 Units	674		
		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. FCA/Tax/Cess etc.) <i>{To be considered on Net billed units = 300 Units (s.no.3 above)}</i>	Rs.100.00 <i>(say)</i>
10	TOTAL BILL PAYABLE BY PROSUMER (10 = 7+8+9)	Rs. 2620.00

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	Total Units generated by RE system = 600 units
2.	Quantum of electricity supplied by the Distribution Licensee in the billing period, including opening and closing balance	300 Units	<i>Imported units are above the minimum energy charges criteria as per Retail Supply Tariff order</i>
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	In line with Regulation 8,

Therefore,

7.	Energy Charges to be paid by Prosumer <i>{To be considered on Net billed Units = 0 Units (s.no.3 above)}</i>	Slab	Rate (Paise per unit)	Rs. 00.00 <i>(As Exported Units > Imported Units excess units would be carried forward to next billing</i>
		Up to 50 units	421	
		51 to 150 Units	517	

	(Imported units are above the minimum energy charges criteria as per Retail Supply Tariff order)	151 to 300 Units	655	cycle.)
		Above 300 Units	674	
8.	Fixed Charges to be paid by Prosumer {To be considered on Imported Units from Grid = 300 Units (s.no.2 above)}	300 Units @ 26 for each 0.1 kW load i.e., for 2kW		Rs. 520.00.
9.	Other charges as applicable to the Prosumer (viz. FCA/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. 520 .00

Annexure-2

Format for application for a Net Metering/ Gross Metering Connection

To

The Executive Engineer,
Distribution Licensee
(Name of the Office)

I herewith apply for a Renewable Energy Net-Metering/ Gross-Metering Connection at the existing service connection and for the renewable energy plant of which details are given below:

S.No.	Particulars	
1.	Name Of Applicant	
2	Address Of Applicant	
3	Service Connection Number	
4	Telephone/Mobile Number (S)	
5	Email Id	
6	Plant Capacity (In Kilo Watts)	
7	Whether The System Has Automatic Isolation Protection (Y/N)	
8	Has A Separate Renewable Energy Generation Meter Been Installed (Y/N)	
9	Expected Date Of Commissioning Of The Renewable Energy System	
10	Details Of Test Certificates Of The Plant	

Date:

Signature of Applicant

Acknowledgement

Received an application for a Net-Metering/ 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 - 3**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)