

# **HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION, SHIMLA**

## **NOTIFICATION**

Shimla, the 5<sup>th</sup> July, 2022

**No. HPERC-H(1)-11/2015.- WHEREAS** the Himachal Pradesh Electricity Regulatory Commission (hereinafter referred as “the Commission”) made the Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System based on Net Metering) Regulations, 2015, which were published in the Rajpatra, Himachal Pradesh, dated 3<sup>rd</sup> August, 2015 and subsequently amended on 6<sup>th</sup> November, 2018 (hereinafter jointly referred to as “Rooftop Solar Regulations”);

**AND WHEREAS** the Government of India has notified, in exercise of powers conferred by Section 176 of the Electricity Act, 2003, the Electricity (Rights of Consumers) Rules, 2020, which were also amended in 2021, requiring the State Commissions to make Regulations;

**AND WHEREAS** the Commission finds it necessary to amend the aforesaid Regulations so as to align the same with the aforesaid Rules;

**NOW, THEREFORE**, in exercise of the powers conferred by Section 181, read with Sections 61, 66 and 86(1) (e) of the 2003 (36 of 2003), read with section 21 of the General Clauses Act, 1897 (10 of 1897), and all other powers enabling it in this behalf, the Commission proposes to amend the Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System based on Net Metering) Regulations, 2015 and, as required by sub-section (3) of Section 181 of the said Act and Rule 3 of the Electricity (Procedure for Previous Publication) Rules, 2005 publishes the draft amendment regulations for the information of all the persons likely to be affected thereby; and notice is hereby given that the said draft amendment regulations, together with any objections or suggestions which may within the aforesaid period be received in respect thereto, will be taken into consideration after the expiry of thirty (30) days from the date of their publication in a Rajpatra, Himachal Pradesh;

The text of the aforesaid draft regulations is also available on the website of the Commission i.e. <https://www.hperc.org>.

The objections and suggestions in this behalf should be addressed to the Secretary, HP Electricity Regulatory Commission, Vidyut Aayog Bhawan, Block-37, SDA Complex, Shimla-171009.

## **DRAFT REGULATIONS**

- 1. Short title and commencement.** - (1) These Regulations may be called the Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System) (Second Amendment) Regulations, 2022.

(2) These Regulations shall come into force from the first day of the month of September, 2022.
- 2. Amendment in Regulation 1.-** In Sub-regulation (1) of Regulation 1 of the Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System based on Net Metering) Regulations, 2015 as well as in the Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System based on Net Metering) (First Amendment) Regulations, 2018 (hereinafter jointly referred to as “Rooftop Solar Regulations”), the words “based on Net Metering” shall be omitted.
- 3. Amendment in Regulation 2.-** In regulation 2 of the Rooftop Solar Regulations–

  - (a) in the clause 4, for the words and signs “ **“applicable tariff”** ” means the tariff”, the words “ **“applicable retail tariff”** means the retail tariff” shall be substituted;
  - (b) for the clause (8), the following shall be substituted, namely:-

“(8) **“Electricity Supply Code”** means the Himachal Pradesh Electricity Supply Code, 2009, as amended from time to time;”
  - (c) after the clause (11), the following shall be inserted, namely:-

(11A) **“gross metering”** means a mechanism whereby the total solar energy generated from rooftop solar system of a Consumer and the total energy consumed by the Consumer are accounted separately through appropriate metering arrangements and for the billing purpose, the total energy consumed by the Consumer is accounted at the applicable retail tariff and total solar power generated is accounted for as per the mechanisms under other Regulations of the Commission prevalent from time to time viz. HPERC (Promotion of Generation from the Renewable Energy Sources and Terms and Conditions for Tariff Determination) Regulations, 2017, HPERC (Grant of Connectivity, Long-Term and Medium-Term Intra-State Open Access and Related Matters) Regulations, 2010, HPERC (Short- Term Open Access) Regulations, 2010 and HPERC

(Deviation Settlement Mechanism and Related Matters) Regulations, 2018 etc., as applicable;

- (11B) **“gross meter”** means an unidirectional energy meter, alongwith the allied metering equipments, to be provided and maintained by the licensee at the cost of the Consumer at the interconnection point as per the connectivity arrangements approved by the Distribution Licensee, through which the electricity generated is injected into the distribution system of the distribution licensee;
- (11C) **“group metering”** means an arrangement whereby the energy injected into the Grid from the rooftop solar system installed by a group of the participating consumers shall be recorded through the gross meter and the energy so received by the Distribution Licensee shall be credited, after deducting its charges, related to usage of its distribution system in kind, to the accounts of the participating consumers as per the provisions specified in these Regulations;”

(d) after the clause (14), the following shall be inserted, namely:-

(15-A) **“net billing”** means an arrangement under which the energy generated from the rooftop solar system installed by an eligible Prosumer at his premises is partially/fully used by him and the balance is exported/imported to/from the Grid. Under this arrangement, the energy imported and exported from/to the Grid shall be recorded separately through suitable net billing meter and the energy import and export so recorded for a billing period shall be accounted for at two different tariffs as per the provisions specified in these Regulations;

(15-B) **“net billing meter”** means a bi-directional meter, alongwith the allied metering equipments, installed and maintained by the Distribution Licensee at the point of commencement of supply and at the cost of the Prosumer, which shall be capable of recording the energy import and export, alongwith the corresponding maximum demands, separately;

(e) for the clause 16, the following shall be substituted, namely:-

(16) **“net-metering”** means a mechanism whereby solar energy exported to the Grid from Rooftop Solar System of a Prosumer is deducted from energy imported from the Grid (in units of kWh or kVAh), by using a net meter, so as to record the net imported or exported energy. Under this arrangement, the net energy import by the Prosumer during a billing period is billed by the

Distribution Licensee on the basis of the applicable retail tariff and in case the Prosumer has exported energy, on net basis, during a billing cycle, the same is carried-forward and settled as per the provisions specified in these Regulations;

- (f) after the clause (18), the following shall be inserted, namely:-  
“(18-A) **“prosumer”** means a person who consumes electricity from the grid and can also inject electricity into the grid for distribution licensee, using same point of commencement of supply;”
- (g) in the clause (20).-  
(i) for the words and signs **“Rooftop Solar system”**, the words and signs **“Rooftop Solar system”** or **“Rooftop Solar PV system”** shall be substituted; and  
(ii) for the words “installed on the rooftop of consumer premises”, the words “installed in the Consumer/Prosumer premises” shall be substituted;
- (h) for the clause (21), the following shall be substituted, namely:-  
(21) **“Settlement Period”** means a maximum period of 12 consecutive billing months, comprised in the billing periods, starting from 16<sup>th</sup> March, or soon thereafter, of a financial year in which the rooftop solar system remains operative under the applicable arrangement; and
- (i) in the clause (22), for the words “eligible consumer”, the words and signs “eligible Consumer/Prosumer or, in case of gross meter, is transmitted to the interconnection point” shall be substituted.

**4. Amendment in Regulation 3.-** In Regulation 3 of the Rooftop Solar Regulations.-

- (a) for Sub-regulation (1), the following shall be substituted, namely:-  
(1) These Regulations shall apply to the Distribution Licensee and the eligible Consumers of the Distribution Licensee who have installed or wish to install a rooftop solar system under the net metering, net billing or group metering arrangement as per the provisions of these Regulations.  
(2) Save as provided otherwise in these Regulations, these Regulations shall not be applicable in case of gross metering which shall be governed by the other Regulations of the Commission prevalent from time to time viz. HPERC (Promotion of Generation from the Renewable Energy Sources and Terms and Conditions for Tariff Determination)

Regulations, 2017, HPERC (Grant of Connectivity, Long-Term and Medium-Term Intra-State Open Access and Related Matters) Regulations, 2010, HPERC (Short-Term Open Access) Regulations, 2010 and HPERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2018 etc., as applicable; and

- (b) the existing Sub-regulation (2) shall be re-numbered as sub-regulation(3).

**5. Amendment in Regulation 4.-** For Regulation 4 of Rooftop Solar Regulations, the following shall be substituted, namely:-

**4. General Principles.-** (1) Subject to the limits and other terms and conditions specified in these Regulations, the eligible Consumers of the Distribution Licensee shall be entitled to install rooftop solar system under any of the following three mechanisms –

**A. Net metering.-**

- (a) The rooftop solar system upto capacity of 50 kWp may be installed under this arrangement.
- (b) Under this arrangement, the solar energy generated from the rooftop solar system, installed at premises of the eligible Prosumer, is used by the Prosumer in his premises and the surplus energy, if any, is delivered to the Grid.
- (c) The energy imported by the Prosumer from the Grid, on net basis, during a billing period is billed to the Prosumer at applicable retail tariff.
- (d) A net-meter capable of measuring net flows shall be installed and maintained, at the cost of eligible Prosumer, by the Distribution Licensee at Prosumer premises under this arrangement.
- (e) The carry forward of unadjusted surplus energy from one billing period to the subsequent billing period(s) within the same settlement period shall be done in shape of units kWh or kVAh, as the case may be.
- (f) The unadjusted surplus energy, if any, as per the bill for the last billing period of the settlement period shall be settled as per the provisions of Regulation (10).

**B. Net billing.-**

- (a) The rooftop solar system with capacity of more than 50 kWp, but not exceeding 1.00 MWp, may be installed under this arrangement.
- (b) Under this arrangement, the energy imported and exported from/to the Grid shall be recorded separately through suitable metering arrangement and the energy import and export so recorded for a billing period shall be accounted for at two different tariffs as per the provisions of these Regulations.
- (c) A net billing meter capable of measuring energy imported from the Grid and energy exported to the Grid shall be installed and maintained, at the cost of eligible Prosumer, by the Distribution Licensee at Prosumer premises under this arrangement.
- (d) The value of energy exported by the Prosumer in a billing period shall be calculated at the rate as per sub-clause (iii) of clause (b) of Sub-regulation (9) of Regulation 10 of these Regulations for adjustment against the value of energy imported by the Prosumer and other charges, if any, recoverable by the Distribution Licensee from him.
- (e) The carry forward of the unadjusted monetary value of the exported energy from one billing period to the subsequent billing period(s) within the same settlement period shall be done in monetary value (and not in units) and the unadjusted amount, if any, as per the bill for the last billing period of that settlement period shall become payable as per the timelines specified in Sub-Regulation (7D) of Regulation 10 of these Regulations.
- (f) The net amount payable, if any, by the Distribution Licensee as per the bill for the last billing period of the settlement period shall be settled as per the provisions of as per sub-clause (iii) of clause (b) of Sub-regulation (9) of Regulation 10 of these Regulations.

**C. Group metering.-**

- (a) The maximum capacity which can be installed under this arrangement shall be equal to the sum total of the eligibility of each individual participating Consumer:

Provided that the maximum capacity to be installed shall not exceed the maximum limit which can be installed at the relevant voltage level:

Provided further that rooftop solar system with capacity of more than 20kWp, but not exceeding 1.00 MWp, may be installed under this arrangement.

- (b) The Group of Consumers intending to install the rooftop solar system shall be eligible to install rooftop solar system under group metering arrangement if the premises of all the participating Consumers are located in the same building and all of them are covered in single part tariff as per the retail tariff order of the Commission and are also fed from a common distribution transformer at the same voltage level.
- (c) The group of Consumers intending to install rooftop solar system under this arrangement shall enter into suitable agreement(s) and submit the same to the Distribution Licensee along with the application for approval of setting up the rooftop solar system. Such agreement shall essentially contain the following:-
  - (i) details about the electricity connections of the Participating Consumers;
  - (ii) nomination of one of the Participating Consumers as the leading member of the Group who shall represent the Participating Consumers for various activities viz. reconciliation of energy accounts, handling all matters related to installation, operation and maintenance and accounting of the rooftop solar system to be installed under group metering arrangement;
  - (iii) the percentage share of each Participating Consumer in the total energy available for allocation amongst the Participating Consumers in respect of a billing month:

Provided that the list of Participating Consumers and their shares may be changed by mutual agreement so long as the overall eligibility conditions are met:

Provided further that the Distribution Licensee shall give effect to any such changes, if it otherwise meets the relevant conditions, with effect from the billing period starting immediately after expiry of 60 days from the date of submission of the revised agreement signed by all the Participating Consumers.
  - (iv) The total solar energy injected by the rooftop solar system during a billing period shall be recorded through the Gross meter.

- (v) The Distribution Licensee shall compute the energy injected to the Grid in a billing period based on the readings of the Gross meter and shall then also compute the energy to be allocated to the accounts of the Participating Consumers for that billing period after deducting 9% energy from the total energy received by it during the billing period. Such energy shall be credited to the accounts of respective Participating Consumers at the respective percentages indicated under the agreement entered by the Participating Consumers.
- (vi) The energy so credited to the account of a Participating Consumer shall be offset against the consumption of that Consumer in the billing period and the Participating Consumer shall be billed at the applicable retail tariff for his net consumption arrived at after such offset.
- (vii) In case the energy credited to the account of a Participating Consumer exceeds the consumption of that Consumer in the billing period, the surplus energy shall be settled as per the provisions relating to net metering under Regulation 10.
- (viii) For the purposes of group metering arrangement, "Participating Consumer" shall mean a Consumer who participates in the Group metering arrangement by signing a detailed agreement with the other Participating Consumers for the purpose.

(2) Consumer/Prosumer who has already installed, or has otherwise initiated the process of obtaining approvals for the installation rooftop solar system before the first day of September, 2022, shall have one time option to switch over to any of the arrangement, including the corresponding tariff for surplus power as per sub-clause (iii) of clause (b) of Sub-regulation (9) of Regulation 10 of these Regulations, for which he may otherwise be eligible as per Regulations 4 of these Regulations:

Provided that the Distribution Licensee shall give effect to such option, if otherwise found to be in order, with prospective effect with effect from the billing period starting immediately after the expiry of 30 days from the date of receipt of such option."



**6. Amendment in Regulation 5.-** In Regulation 5 of the Rooftop Solar Regulations.-

- (a) in Sub-regulation(1), for the words “rooftop solar net metering arrangement”, the words “relevant rooftop solar arrangement subject to the fulfillment of eligibility conditions” shall be substituted;
- (b) in the title of the third column of Table-1 under Sub-regulation(2), for the words “Solar PV project”, the words “rooftop solar system” shall be substituted;
- (c) in the second proviso to Sub-regulation(2), for the words and figure “upto sanctioned connected load upto 50kWp”, the words, figure and sign “upto 50kWp, but not exceeding the sanctioned connected load” shall be substituted;
- (d) in the third proviso to Sub-regulation(2), for the words “Rooftop Solar PV grid Interactive System”, the words “rooftop solar system” shall be substituted; and
- (e) after the fourth proviso to Sub-regulation(2), the following Sub-regulation(3) shall be inserted, namely:-
  - “(3) The Distribution Licensee shall, from time to time, give due publicity to the various arrangements available to the Consumers for setting up rooftop solar systems under these Regulations.”

**7. Amendment in Regulation 6.-** In Regulation 6 of the Rooftop Solar Regulations, for the words “under net metering arrangement”, the words “under relevant metering arrangement” shall be substituted;

**8. Amendment in Regulation 7.-** In Regulation 7 of the Rooftop Solar Regulations.-

- (a) in Sub-regulation(1), for the sign “.” appearing at the end, the sign “:” shall be the substituted and thereafter the following provisos shall be added, namely:-
  - “Provided that the Distribution Licensee shall, as far as possible, process all such applications in online mode as a part of web based application processing system evolved, or to be evolved, by the Distribution Licensee for the Prosumers:
    - Provided further that even where the applications are received in physical form, the same shall be uploaded on the web based application system by the Distribution Licensee for online processing.”

- (b) in Sub-regulation(3), the word “plant” appearing after the words “rooftop solar system” shall be omitted;
- (c) in the first proviso to Sub-regulation(3), for the words “Net Metering Connection Agreement Form-2”, the words “Solar Metering Connection Agreement Form-2” shall be substituted;
- (d) in Sub-regulation(4), for the words “rooftop solar plant”, the words “rooftop solar system” shall be substituted;
- (e) in Sub-regulation(5), for the words “and plant will be treated as commissioned for net metering commercial operations”, the words “and accounting under the relevant arrangement shall be carried out” shall be substituted;
- (f) in Sub-regulation(6), for the words “grid interactive rooftop solar PV project”, the words “rooftop solar system” shall be substituted;
- (g) in Table-3 under Sub-regulation(9).-
  - (i) in the first column, for the word and sign “Termination\*”, the word “Termination” shall be substituted;
  - (ii) in the first column, for the words “Net Metering Agreement”, the words “Solar Metering Connection Agreement” shall be substituted;
  - (iii) in the first column, for the words “Solar PV System”, the words “rooftop solar system” shall be substituted;
  - (iv) in the first column, for the words “Inspection by the Distribution Licensee and intimation of deficiencies, if any”, the words “Inspection by the Distribution Licensee and if found in order, installation of meter(s) (Please also see Note 1 and Note 2)” shall be substituted;
  - (v) in the first column, after the words “Removal of deficiencies, if any”, the words “intimated to the Prosumer as a result of inspection by the distribution licensee” shall be inserted; and
  - (vi) in the third column of the activity related to the permission to synchronise the Solar Rooftop PV System unit with the Grid, for the words, figures and sign “5-7 days after removal of deficiencies”, the words, figures, signs and brackets “within 7 days after installation of meter(s)” shall be substituted.; and
- (h) in the Note appearing below Table-3, for the sign and the word “\*Note”, the word and figure “Note 1” shall be substituted and thereafter the following shall be inserted, namely:-
 

**“Note 2:-** In case the meter is to be provided by the Consumer as per the provisions of Sub-regulation (5) of Regulation 7 read with Table-3 of these Regulations or otherwise, the Consumer shall hand over the meter of the required specifications to the Distribution Licensee well in advance i.e. at least 30 days

before the due date of its installation so as to enable the Distribution Licensee to install, after testing, the same as per the timeline provided in Table-3 above.”

**9. Amendment in Regulation 9.-** In Regulation 9 of the Rooftop Solar Regulations.-

(a) in Sub-regulation(1).-

- (i) for the words “ facility for recording meter reading using Meter Reading Instrument (MRI) or Wireless equipment”, the words, sign and brackets “one port for downloading facilities of metered data through Common Meter Reading Instrument (CMRI) and another port/system for remote communication” shall be substituted;
- (ii) for the words and figure “20 kW”, the words and figure “20 kWp” shall be substituted;

(b) in Sub-regulation(2).-

- (i) for the words “Net meter capable of measuring the net flows”, the words “Meter capable of measuring the flows required to be measured under the relevant arrangement” shall be substituted; and
- (ii) for the words “be compliant to the system of recording meter reading through Meter Reading Instrument (MRI) or through wireless”, the words “have one port for downloading facilities of metered data through Common Meter Reading Instrument (CMRI) and another port/system for remote communication” shall be substituted;

(c) in Sub-regulation(4), for the words “Net meter”, the words “meter under the relevant arrangement” shall be substituted;

(d) in Sub-regulation(6), the words “for net metering” shall be omitted; and

(e) in Sub-regulation(7), for the words “Net meter”, the words “meter under the relevant arrangement” shall be substituted;

**10. Amendment in Regulation 10.-** In Regulation 10 of the Rooftop Solar Regulations.-

(a) for Sub-regulation (1), the following shall be substituted, namely:-

“The principles to be followed for accounting under various arrangements have been specified in Sub-regulation (2) to Sub-regulation (13). The principles for Net Metering have been specified in Sub-regulation (2) to Sub-regulation (7) and the same for the net billing have been specified in Sub-regulation (7A) to Sub-regulation (7D). The

Sub-regulation (8) to Sub-regulation (13) specify the general principles in this regard which shall be applicable for all the arrangement under these Regulations.”

- (b) in Sub-regulation(4), after the words “on net basis”, the words and sign “during a billing period,” shall be inserted;
- (c) in Sub-regulation (5), for the sign”.”, the sign “:” shall be substituted and thereafter the following provisos shall be added, namely:-

“Provided that such amount for the unadjusted energy shall fall due for payment by the Distribution Licensee on 30<sup>th</sup> June after the close of the relevant settlement period and in case of any delay in payment, interest shall be applicable for actual number of days by which such payment is delayed beyond 30<sup>th</sup> June at the simple rate of 12% per annum or any such rate as may be fixed by the Commission for the purpose:

Provided further that in case there is some outstanding amount against the Prosumer, the Distribution Licensee may offset such outstanding amount by adjusting the same against the amount payable by it and in that case, the interest shall cease to be payable on the date of such adjustment.”

- (d) in Sub-regulation(6), after the words “settlement period”, the words “except that the same shall be kept flagged separately” shall be inserted; and
- (e) after Sub-regulation (7), the following shall be inserted, namely:-

“(7A) Billing shall be done on the basis of flows recorded by the net billing meter over the billing period subject to the provisions contained in Sub-regulation(8).

(7B) The Distribution Licensee shall send the bill for the billing period indicating the following:

- (i) the quantum of energy imported by the Prosumer in the billing period which shall be charged at the applicable retail tariff;
- (ii) the quantum of energy exported by the Prosumer in the billing period for which the Prosumer shall be entitled payment at a tariff as per the provisions of Sub-clause(iii) of Clause (b) of Sub-regulation (9); and
- (iii) all other charges as applicable as per the retail tariff such as demand charge, fixed charges etc.

(7C) The Distribution Licensee shall deduct the monetary value of the exported energy by the Prosumer from the monetary value of the imported energy by the Prosumer to arrive at the net amount to be billed:

Provided that in case of net billing arrangement, the energy exported by the Prosumer during a billing period shall be valued at the rate as per Sub-regulation(9):

Provided further that in case some amount is payable by the Distribution Licensee, on net basis, for any billing period, such amount shall be carried forward to the bill(s) for the subsequent billing period(s) relating to the same settlement period and the settlement of the unadjusted amount, if any, as per the bill for the last billing period of that settlement period by way of payment to the Prosumer at the end of the settlement period or by adjustment against the outstanding amount as per the provisions of Sub-regulation 7(D):

Provided further that the energy import and energy export, as recorded by the Net billing Meter shall not be offset against each other.

(7D) In case, the net amount due against the Prosumer i.e. after adjusting the amount payable, if any, by the Distribution Licensee as per the bill for the last billing period of that settlement period works out to a negative figure, the corresponding amount shall be payable by the Distribution Licensee. Such amount shall fall due for payment by the Distribution Licensee on 30<sup>th</sup> June after the close of the relevant settlement period and in case of any delay in payment, interest shall be applicable for actual number of days by which such payment is delayed beyond 30<sup>th</sup> June at the simple rate of 12% per annum or any such rate as may be fixed by the Commission for the purpose:

Provided that in case there is some outstanding amount against the Prosumer, the Distribution Licensee may offset such outstanding amount by adjusting the same against the amount payable by it and in that case, the interest shall cease to be payable on the date of such adjustment:

Provided further that there shall be no carry forward of monetary amount of excess amount, to be paid to the Prosumer

by the Distribution Licensee, beyond the settlement period except that the same shall be kept flagged separately.”

(f) in Sub-regulation(8), for the words “net flows”, the words “flows” shall be substituted;

(g) in Sub-regulation(9).-

(i) after the figures and word “5 and 8”, the figures, words and signs “ for net metering and Sub-regulations 7A, 7C, 7D and 8 for net billing” shall be inserted; and

(ii) after Sub-clause(ii) of Clause (b), the following shall be inserted, namely:-

“(iii) in cases where the Letter of Approval is issued as per the Sub-regulation (3) of Regulation 7, also duly taking into account the 3<sup>rd</sup> proviso to the same or the Prosumer otherwise submits his onetime option for the change over to the solar metering arrangements as per Sub-regulation (2) of Regulation 4 of these Regulations, on or after the first day of the month of September, 2022, the settlement shall be done at a rate of 50% of the weighted average per kWh rate at which it has purchased power from the ground mounted solar PV plant upto 5.00 MW capacity located in the State during the calendar year ending on 31<sup>st</sup> December falling in the settlement period immediately preceding the settlement period for which the rate is to be determined:

Provided that in case the Prosumer is entitled to a subsidy and/or grant and/or incentive etc. under any Government Scheme, such settlement shall be done at a rate equivalent to that worked out at such percentage of the aforesaid weighted average rate as specified in the Table-5 below:-

**Table-5**

<b>Sr. No.</b>	<b>Subsidy and/or grant and/or incentive etc. as a percentage of the normative capital cost/benchmark capital cost considered by MNRE or any other Government Agency which provides subsidy</b>	<b>Percentage of weighted average rate to be considered for settlement</b>
1	Less than 50%	40%
2	50% or more but less than 70%	30%
3	70% or more but less than 90%	25%
4	90% or more	15%

Provided further that in cases where any part of subsidy and/or grant and/or incentive etc. is provided at a lump sum rate instead of expressing the same as a percentage of normative capital cost/benchmark capital cost, the benchmark capital cost considered by MNRE for the purpose of subsidy shall be considered:

Provided further that in cases where such subsidy and/or grant and/or incentive is available in more than one Government Scheme, the sum total of percentage rates of subsidy and/or grant and/or incentive available under each of the Government Schemes shall be considered for this purpose:

Provided further that in case, the normative capital cost/benchmark capital cost for any year is not fixed by MNRE or any other Government Agency providing the subsidy, the Commission may fix by order, the same, for that year:

Provided further that in case of the Prosumers covered under net billing arrangement, the valuation of the energy exported by the Prosumer shall be done for each billing period under the settlement period at such rate:

Provided further that in case of Prosumers covered under net billing arrangement for whom two part tariff is applicable, the adjustment shall be done in kVAh and the per kVAh tariff shall be worked out on the basis of average power factor maintained by the Prosumer in the relevant period.”;

(iii) after Sub-clause(b) of Clause (iii), the following shall be inserted, namely:-

“(c) The Late Payment Surcharge shall be recoverable by the Distribution Licensee from the Prosumer only for the net amount recoverable from the Prosumer i.e. after adjusting the amount payable by the Distribution Licensee, if any, to the Prosumer:

Provided that such adjustment shall be permissible only on or after the date when any such amount payable by the Distribution Licensee falls due for payment:

Provided further that no Late payment Surcharge shall be applicable for the billing period for which the amount recoverable from the Prosumer may work out to zero or a negative figure.”; and

(h) in Sub-regulation(10), for the words “Solar PV system”, the words “rooftop solar system” shall be substituted;

(i) after Sub-regulation (11), the following shall be inserted, namely:-

“(12) The accounting of electricity generated, consumed and injected by the rooftop solar system under these Regulations shall become effective from the date as per Sub-regulation (5) of Regulation 7 of these Regulations.

(13) Where the service connection of any Participating Consumer(s) is disconnected due to any reason under any law for the time being in force, the unadjusted units/remaining credits of that Participating Consumer shall be paid by the Distribution Licensee at the end of the applicable settlement period.” .

- 8. Amendment in Regulation 11.-** Existing Regulation 11 of the Rooftop Solar Regulations shall be omitted;
- 9. Amendment in Form-1.-** For the Form-I under Sub-regulation (1) of Regulation 7 of Rooftop Solar Regulations, the following shall be substituted, namely:-

**Form-1**

(see Sub-regulation (1) of Regulation 7)

**Application Form for Installation of Rooftop Solar System**

To

Designated Officer\*

(Name of office) Date:

I/We herewith apply and request for a solar energy net metering, net billing or group metering connection for the Rooftop Solar System details of which are given below.

1	Name of applicant	
2	Address of applicant	
3	K-Number (A/C No.)	
4	Sanctioned Contract Demand (kVA)/ connected load in kW	
5	Applicable tariff / Category	
6	Telephone number(s)	
7	Email ID	
8	Capacity of the proposed rooftop solar system (AC capacity)	
9	The arrangement under which the rooftop solar system is proposed i.e. Net Metering/Net Billing /Group metering	
10	Bank details: Name of Account Holder: Name of Bank: Account Number: Name of Branch: IFSC detail: Type of Account:	
11	Available subsidy and/or grant and/or incentive under different Government scheme, if any.	



I/We agree to pay the required charges as may be demanded in accordance with the Codes and Regulations.

I / We agree to install the plant in accordance with the protection and Safety Standards as mandated in the Regulations relating to Safety.

I / We agree to enter into the agreement as per the Regulation.

I/We agree to bear the entire cost of erection of separate service line, to inject the total generated power into the grid in case of gross metering arrangement.

Name:

Signature:

**Net Metering/Net Billing/Group Metering Application**  
**Acknowledgement**

Received an application for a solar energy net metering/ net billing/ group metering connection from,

Name:

Date:

K-Number (A/C No.):

Application registration no.:

Rooftop Solar System Capacity:

Name of Officer:

Signature:

Designation:

Distribution Licensee:

**11. Amendment in Form-2.-** In the Form-2 included, pursuant to Sub-regulation(3) of Regulation 7, in the Rooftop Solar Regulations, the following shall be substituted:-

- (a) in the heading, for the words “**Net Metering Connection Agreement**”, the words “**Solar Metering Connection Agreement**” shall be substituted;
- (b) for the words “Photovoltaic System”, wherever appearing, the words “Rooftop Solar System” shall be substituted;
- (c) in the preamble.-
  - (i) for the word “watts”, the words “kWp” shall be substituted; and

- (ii) for the words and sign “net-metering regulations/orders”, the words, brackets and sign “Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System) Regulations, 2015 as amended from time to time (hereinafter referred to as “Rooftop Solar Regulations”) / Orders” shall be substituted;
- (d) in clause 1.1.-
  - (i) for the words “net-metering”, the words “relevant metering arrangement” shall be substituted; and
  - (ii) for the words “Himachal Pradesh Electricity Regulatory Commission (Rooftop Solar PV Grid Interactive System based on Net Metering) Regulations, 2015”, the words “Rooftop Solar Regulations” shall be substituted;
- (e) in clause 2.1, for the words “Solar PV generation plant”, the words “Rooftop Solar PV system” shall be substituted; and
- (f) in clause 6.1, for the word “Net-Metering Regulations”, the words “Rooftop Solar Regulations” shall be substituted;

By order of the Commission

Sd/-

(Chhavi Nanta), HPAS  
**Secretary**