

# **HARYANA ELECTRICITY REGULATORY COMMISSION**

## **Notification**

The 25<sup>th</sup> November, 2014

**Regulation No. HERC/31/2014-** In exercise of the powers conferred by Sections 61, 86(1)(e) and 181 of the Electricity Act, 2003 (Act 36 of 2003) and all other powers enabling it in this behalf, the Haryana Electricity Regulatory Commission hereby makes the following Regulations for the Grid Connected Solar Rooftop Photovoltaic System:

### **1. SHORT TITLE, COMMENCEMENT AND SCOPE**

- 1.1 These Regulations shall be called 'The Haryana Electricity Regulatory Commission (Rooftop Solar Grid Interactive System based on Net Metering) Regulations, 2014'.
- 1.2 These Regulations shall come into force from the date of publication in the Official Gazette of Haryana.
- 1.3 These Regulations shall apply to the distribution licensees and consumers of electricity of distribution licensees of the State of Haryana.

### **2. DEFINITIONS AND INTERPRETATIONS**

2.1 In these Regulations, unless the context otherwise requires,

- a) "Act" means the Electricity Act, 2003 (36 of 2003) and subsequent amendments thereof;
- b) "Agreement" means an agreement entered into by the distribution licensee and the consumer for net metering connection;
- c) "billing cycle or billing period" means the period for which regular electricity bills as specified by the Commission, are prepared for different categories of consumers by the licensee;
- d) "Commission" means the Haryana Electricity Regulatory Commission constituted under the Act;
- e) "contracted load" or "contract demand" means the maximum demand in kW or kVA, agreed to be supplied by the licensee and indicated in the agreement executed between the licensee and the consumer;
- f) "Electricity Supply Code" means the Electricity Supply Code specified by the Haryana Electricity Regulatory Commission under Section 50 of the Act and subsequent amendments/re-enactments thereof;

- g) “eligible consumer” means a consumer of electricity in the area of supply of the licensee, who intends to install or has installed a rooftop solar system in his premises, to offset part or all of his own energy requirement;
- h) “financial year” or “year” means the period beginning from first day of April in a calendar year and ending with the thirty first day of the March of the next year;
- i) “high tension” means supply at high voltage or extra high voltage;
- j) “interconnection point” means the interface of solar power generation facility under net metering arrangement with the network of licensee and shall normally be the point where meter is installed to measure the energy transfer between the licensee and the consumer;
- k) “licensee” means a distribution licensee as defined in the Act;
- l) “low tension” means supply at low voltage or medium voltage;
- m) “net metering” means an arrangement of energy metering under which rooftop solar system installed at an eligible consumer’s premises delivers solar power simultaneously with the power supplied by the licensee to the consumer’s premises and the net consumption after off-setting the power generated by the solar power system is measured and displayed for the applicable billing period;
- n) “obligated entity” means the entity mandated under clause (e) of subsection (1) of section 86 of the Act to fulfill the renewable purchase obligation and identified under the Haryana Electricity Regulatory Commission (Terms and Conditions for determination of Tariff from Renewable Energy Sources, Renewable Purchase Obligation and Renewable Energy Certificate) Regulations, 2010 and subsequent amendments/re-enactments thereof;
- o) “premises” means rooftops or/and any area on the land, building or infrastructure or part or combination thereof in respect of which a separate meter or metering arrangements have been made by the licensee for supply of electricity;
- p) “rooftop solar system” means the solar photovoltaic power system installed on any part of consumer’s premises that uses solar energy for its direct conversion into electricity;
- q) “Renewable Energy Certificate (REC)” means the certificate issued in accordance with the procedures prescribed in the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 and subsequent amendments thereof.

- r) “settlement period” means the period beginning from first of April in a calendar year and ending with the thirty first of the March of the next year i.e same as ‘financial year’;
- s) “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 from various categories of consumers for supply of electrical energy and services;

2.2 All other words and expressions used in these Regulations although not specifically defined herein above, but defined in the Act, shall have the meaning assigned to them in the Act. The other words and expressions used herein but not specifically defined in these Regulations or in the Act but defined under any law passed by the Parliament / State Legislation applicable to the electricity industry in the State shall have the meaning assigned to them in such law.

### **3 APPLICABILITY**

3.1 The eligible consumer may install the rooftop solar system under net metering arrangement which,

- a) shall be within the permissible rated capacity as defined under these Regulations.
- b) shall be located in the consumer premises.
- c) shall interconnect and operate safely in parallel with the licensee’s network.

3.2 The net metering facility shall also be applicable to such consumers who have already installed rooftop solar system subject to compliance of these Regulations.

3.3 These Regulations do not preclude the right of relevant State authorities to undertake rooftop solar projects above the limit of 1 MWp (Mega Watt Peak) capacity given in Regulation 7.2 below, through alternative arrangements.

3.4 These Regulations shall not apply to a generator who generates power through rooftop solar system in more than one premises or over a water body, whether moving or static.

In such cases if the power generated is 250 kW or above, the generator may enter into a power purchase agreement with the licensee serving that area or go for third party sale through open access. The generator shall inject the entire power generated into the system of the licensee at a single point without permitting any of this power to be consumed

in the individual premises. Purchase of such generated power shall entitle the licensee to Renewable Purchase Obligation (RPO) benefits or to the generator for REC as per the Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010 and subsequent amendments thereof. The cost of the additional equipment required for connectivity in such cases shall be borne by the generator. The licensee shall be under an obligation to buy the solar power generated through rooftop solar system in Haryana up to the ceiling of solar RPO and at rates limited to or lower than the feed in tariff of solar energy.

If the power generated in more than one premises or over a water body whether moving or static or a single premises measured through gross metering is below 250 kW, then the licensee may purchase the generated power through bilateral arrangement with the generator at the mutually agreed tariff. The power so purchased shall also count towards the solar RPO obligation of the licensee.

- 3.5 For open access consumers, the facility of net metering shall not be available and they will have to take recourse to Regulation 3.4 above.

#### **4 APPLICATION**

- 4.1 The eligible consumer shall make an application in the prescribed form to the licensee of the area, along with application processing fee of ₹ 1000/-, for seeking permission for installation of rooftop solar system in his premises under net metering arrangement.

A specimen of the application form is attached as Annexure-I to these Regulations.

- 4.2 The licensee shall complete the process of verification of the application within 15 days of its receipt.

Permission shall normally be granted within 15 days from the date of submission of the application to the licensee provided there is feasibility for connectivity and subject to capacity limit on the distribution transformer/power transformer and the target capacity of the licensee as given in Regulation 6.1 below.

Thereafter, the required agreement for net metering shall be entered into between the applicant and the licensee.

## **5 GENERAL PRINCIPLES**

The licensee shall offer the provision of net metering arrangement to the consumer, who intends to install grid connected rooftop solar system, in its area of supply on non-discriminatory and first-come-first-served basis.

Provided that the consumer is eligible to install the grid connected rooftop solar system upto the rated capacity as specified under Regulation 7.2 below;

Provided also that the interconnection of such system with the grid is undertaken as specified under the Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and subsequent amendments thereof.

## **6 CAPACITY TARGETS FOR DISTRIBUTION LICENSEE**

- 6.1 The distribution licensee shall provide net metering arrangement to eligible consumers as long as the total capacity (in MW) of rooftop solar systems does not exceed the target capacity determined by the Commission;

Provided a maximum cumulative capacity of 200 MW shall be initially allowed to eligible consumers under net metering, in the area of supply of each licensee, to be reviewed yearly by the Commission;

Provided that the cumulative capacity of rooftop solar systems to be allowed at a particular distribution transformer/power transformer shall not exceed 15% of the peak capacity of the distribution transformer in case of interconnection with the grid at low tension and 15% of the peak capacity of the power transformer in case of interconnection with the grid at high tension or the revised cumulative capacity as the Commission may decide from time to time.

- 6.2 The licensee shall update the distribution transformer level and power transformer level capacity available for connecting rooftop solar systems under net metering arrangement and the cumulative capacity of the rooftop solar systems installed under net metering arrangement on yearly basis and shall provide the information on its website as well as to the Commission.

## **7 ELIGIBLE CONSUMER AND INDIVIDUAL PROJECT CAPACITY**

- 7.1 All consumers of electricity in the area of supply of the licensee can participate in the solar rooftop net metering arrangement subject to target capacity and on first-come-first-served basis.

- 7.2 The maximum rooftop solar system capacity to be installed at any eligible consumer premises shall not exceed his connected load in case of Low Tension connection and contract demand in case of High Tension connection.

Provided that the maximum installed capacity shall not exceed 1MWp for a single eligible consumer.

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

## **8 INTERCONNECTION WITH THE GRID**

- 8.1 The voltage level for interconnection with the grid shall be as specified under Regulation 3.2 of the Electricity Supply Code or the voltage level at which the eligible consumer has been given supply by the licensee.

- 8.2 The interconnection of the rooftop solar system with the network of the distribution licensee shall be made as per the technical standards for connectivity of distributed generation resources specified under the Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and subsequent amendments thereof.

Provided that the rooftop solar system meets with the technical requirements for grid interconnection with the network of the licensee;

- 8.3 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.

- 8.4 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 separate backup wiring to prevent the battery/decentralized generation power to flow into the grid in the absence of grid supply and manual isolation switch shall also be provided.

- 8.5 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.

- 8.6 The licensee shall have the right to disconnect the rooftop solar system at any time in the event of possible threat/damage, from such rooftop solar system to its distribution system, to prevent any accident or damage, without any notice. Subject to Regulation 8.5 above, the licensee may call upon the consumer to rectify the defect within a reasonable time.

## **9 ENERGY ACCOUNTING AND SETTLEMENT**

### 9.1 Energy Accounting

Electricity generated from a rooftop solar system shall be cumulatively capped at 90% of the electricity consumption by the consumer at the end of settlement period which shall be the relevant financial year. In case solar power system is connected to the grid during part of the year, the 90% capping shall be on the electricity consumption from the date of connection (to the grid) to the end of the financial year. The carry forward of excess energy generation shall be allowed from one billing cycle to the next billing cycle up to the end of the same financial year. Any excess generation (above 90%) at the end of the financial year shall not be offset against the consumer's consumption. There shall be no carry forward to the next financial year.

### 9.2 Billing and payment

The consumer shall receive a net import/export bill indicating either net export to the grid or net import from the grid.

In case of net import bill, i.e. electricity supplied by the licensee exceeds the electricity generated by the consumer's solar rooftop system, the licensee shall raise bill for the net electricity consumption after taking into account any carry forward from previous billing periods in the same financial year. If during any billing period, the export of energy exceeds the import of energy, such surplus energy (in KWh/KVAh) injected by the consumer shall be carried forward to the next billing period as energy credit and shown as energy exported by the consumer for adjustment against the energy consumed in subsequent billing periods within the settlement period. No interest shall be payable on this energy credit. Simultaneously licensee shall not levy any charges on the energy injected to the grid.

If the eligible consumer is under the ambit of time of day tariff, the electricity consumption in any time block peak, off-peak or normal shall be first set off with the solar generation in the same time block. Any excess generation over consumption in any time block, over and above the usage in that time block shall be adjusted against energy supplied at the lowest applicable tariff across all the slots.

Provided that the excess electricity measured in kilo-watt hour/KVAh shall only be utilized to offset the consumption measured in kilo-watt hour/KVAh and may not be utilized to compensate any other fee and charges imposed by the licensee as per the order of the Commission.

Provided also that the licensee in addition to consumer tariff shall be eligible to raise invoice for any other charges as allowed by the Commission.

- 9.3 Minimum monthly charges (MMC), where applicable, shall continue to be related to total consumption of the consumer and not to the net consumption.
- 9.4 The licensee shall accept the solar power as per the useful life of the rooftop solar system unless the solar power generator ceases to be a consumer of the licensee or the rooftop solar system is abandoned earlier.
- 9.5 In case of any dispute in billing, the consumer can approach the Consumer Grievances Redressal Forum / Electricity Ombudsman in accordance with the relevant Regulations notified by the Commission.

## **10 SOLAR RENEWABLE PURCHASE OBLIGATION**

The quantum of electricity consumed by eligible consumer, who is not defined as obligated entity, from the rooftop solar system under net metering arrangement, shall qualify towards compliance of Renewable Purchase Obligation (RPO) of the licensee.

## **11 METERING ARRANGEMENT**

- 11.1 Meters shall be provided as specified in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and subsequent amendments thereof, for the purpose of metering under these Regulations.
- 11.2 The net metering arrangement shall be provided with meter/meters which shall provide the following additional information to the licensee for every billing cycle.
- i) Total energy consumption by the consumer.
  - ii) Energy generated by the solar system.
  - iii) Net energy (Positive or Negative i.e. Positive for the energy supplied by the licensee and Negative for the energy injected into the grid).



- 11.3 The cost of new/additional meter(s), including the cost of replacement, shall be borne by the eligible consumer. Meter(s) shall be installed and maintained by the licensee. No meter rentals shall be charged from the consumer.
- 11.4 It shall be the licensee's responsibility to satisfy itself regarding the accuracy of the meter(s) before it is installed and the licensee may test the meter(s) before installation.
- 11.5 The meters installed shall be jointly inspected and sealed on behalf of both the parties and shall be tested or checked only in the presence of the representatives of the consumer and the licensee and as per procedure specified in the Electricity Supply Code;

Provided that the eligible consumer shall follow the metering specifications, provisions for placement of meter as developed by the licensee from time to time and as per the Electricity Supply Code specified by the Commission;

Provided further that in case the eligible consumer is under the ambit of time of day tariff, meters compliant of recording time of day consumption/generation shall be installed.

- 11.6 The meter reading taken by the licensee shall form the basis of all commercial settlements.

## **12 CONNECTION AGREEMENT**

- 12.1 The eligible consumer shall enter into a net metering connection agreement with the licensee of the area, on the format enclosed as Annexure – II to these Regulations.
- 12.2 The eligible consumer may terminate the agreement at any time by giving 30 days prior written notice to the licensee.
- 12.3 The licensee may terminate the agreement with 30 days prior written notice, if eligible consumer breaches any term of the agreement and does not remedy the breach within 30 days of receiving written notice from the licensee of the breach or any other valid reason to be recorded in writing.
- 12.4 Eligible consumer, upon termination of the agreement, shall disconnect forthwith the photovoltaic system from licensee's distribution system.

### **13 POWER TO GIVE DIRECTIONS**

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

### **14 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 inconsistent to the provision of the Act and these Regulations, as may appear to be necessary for removing the difficulty.

### **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.

### **16 POWER TO AMEND**

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

### **17 SUBSIDY**

Subsidy, if any, for Rooftop Solar Grid Interactive System based on Net Metering shall be in accordance with the prevailing policy of the Central/State Government or any other agencies such as IREDA/HAREDA/BEE etc.

By the order of the Commission

-Sd-

Secretary

Haryana Electricity Regulatory Commission

**UTTAR/DAKSHIN HARYANA BIJLI VITRAN NIGAM LTD****APPLICATION FORM FOR INSTALLATION OF ROOFTOP SOLAR PHOTOVOLTAIC SYSTEM UNDER NET METERING ARRANGEMENT**

Name of the Sub-Division \_\_\_\_\_

Application No. \_\_\_\_\_

Date of Receipt \_\_\_\_\_

(To be filled up by the applicant in Block letters in ink)

1	Applicant's Name	
2	Father's name / Husband's Name.	
3	Full address of the premises at which solar photovoltaic system is to be installed.	
4	Telephone No.	
5	Permanent Address of the applicant (Residential).	
6	Category of existing electricity connection.	
7	Account No.	
8	Connected Load / Contract Demand, (In kW /kVA).	
9	Voltage at which supply has been given (In volts).	
10	Capacity of rooftop Solar System to be installed (In kWp).	
11	Voltage at the output of solar inverter (In volts).	

Date: \_\_\_\_\_

Signature of applicant

**List of documents to be attached with Application Form**

1. Copy of the latest paid electricity bill.
2. General power of attorney in favor of signatory in case of joint ownership & partnership firms; Certified true copy of the resolution authorizing the signatory to deal with the UHBVN/DHBVNL, passed by the Board of Directors in case of companies (as applicable).
3. Net Metering Connection Agreement.

.....

**ACKNOWLEDGEMENT**

Received an application from Sh..... for installation of rooftop solar photovoltaic system of capacity..... kWp as per detail below.

<b>Date</b>	<b>Applicant's Name</b>	<b>Application Number</b>	<b>Solar photovoltaic system of capacity</b>

(Signature of authorized officer)

# UTTAR/DAKSHIN HARYANA BIJLI VITRAN NIGAM LTD

**For office use only**

Name of the Sub-Division \_\_\_\_\_

Application No. \_\_\_\_\_

Date of Receipt \_\_\_\_\_

## **PAYMENT MADE WITH APPLICATION**

Accepted on behalf of the Uttar /Dakshin Haryana Bijli Vitran Nigam Ltd. an application for installation of rooftop solar photovoltaic system of \_\_\_\_\_ kWp capacity at \_\_\_\_\_ voltage.

Cashier to accept charges on account of the following: -

Date \_\_\_\_\_

Signature \_\_\_\_\_

<b>Sr. No.</b>	<b>Item</b>	<b>Amount (in Rs)</b>
1	Application processing fee	
2	Meter security (if applicable)	
3	Meter testing fee (if applicable)	
4	Any other item.	
	Total	

Received Rs \_\_\_\_\_ (Rupees \_\_\_\_\_)

Vide Receipt No. \_\_\_\_\_ Dated \_\_\_\_\_

Name \_\_\_\_\_ Designation \_\_\_\_\_ Signature \_\_\_\_\_

## CERTIFICATE OF SITE VERIFICATION

Certified that I have personally verified the premises of the applicant at which the solar photovoltaic system is to be installed. The details of verification are as below:

Sr. No	Particulars	Result
1	Name of 11 KV feeder.	
2	Rating of Distribution Transformer (in kVA).	
3	Capacity of rooftop solar photovoltaic system installed/to be installed at the consumer premises (in kWp).	
4	Total capacity of rooftop solar photovoltaic systems already connected to the Distribution Transformer (capacity to be restricted to 15% of the rating of the Distribution Transformer including this installation) in kWp.	

Note: In case of solar power generation at 11 kV or above voltage, the Distribution Transformer may be read as Power Transformer.

Signature\_\_\_\_\_

Date\_\_\_\_\_

### NO DUES CERTIFICATE

Certified that nothing is due against this applicant or the premises.

Name\_\_\_\_\_Designation\_\_\_\_\_Signature\_\_\_\_\_

Date\_\_\_\_\_

# AUTHORIZATION FOR NET METERING CONNECTION

## For Office Use Only

Accepted and Sanctioned on behalf of the Uttar/Dakshin Haryana Bijli Vitran Nigam Ltd. the installation of rooftop solar photovoltaic system of \_\_\_\_\_ kWp at \_\_\_\_\_ voltage at the consumer premises under net metering connection.

Dated \_\_\_\_\_

SDO 'OP'

The following charges / additional charges, documents and equipment for release of net metering connection as per site verification be accepted.

### (A) Charges: -

Sr. No.	Item	Amount (in Rs)
1	Meter security (if applicable)	
2	Meter testing fee (if applicable)	
3	Any Other item	
	Total	

### (B) Documents & Equipment

- (i) Test report
- (ii) Energy Meter (if applicable)
- (iii) Net metering connection Agreement

Dated \_\_\_\_\_

SDO 'OP'

Received Rs. _____ (Rupees _____)
Vide Receipt No. _____ Dated: _____
Name _____ Designation _____ Signature _____

Received required documents & equipment
Name _____ Designation _____ Signature _____

The Account number allotted to the applicant is _____
The net metering connection order number is _____
Name _____ Signature _____ Date _____

**Net Metering Connection Agreement**

This Agreement is made and entered into at (location) \_\_\_\_\_  
on this (date) \_\_\_\_\_ day of (month) \_\_\_\_\_ (year) \_\_\_\_\_ between

The Eligible Consumer (Name) \_\_\_\_\_ residing at  
(address) \_\_\_\_\_ as first party

AND

Distribution Licensee \_\_\_\_\_ (herein after called as Licensee) and  
having its registered office at (address) \_\_\_\_\_  
\_\_\_\_\_ as second party of the agreement.

Whereas, the eligible consumer has taken the responsibility to set up or facilitate the requisite Photovoltaic system and injection system into the Licensee’s grid.

And whereas, the Licensee has verified the application and agrees to benefit the eligible consumer for the electricity generated and as per conditions of this agreement and net-metering regulations.

Both the parties hereby agree as follows:

**1. Eligibility**

- 1.1 Eligible consumer agrees that the standards and conditions of his Photovoltaic system meet the norms for being integrated into grid/distribution system and that he shall maintain the system accordingly for the duration of this agreement.
- 1.2 Eligible consumer agrees that for connection of his Photovoltaic system to Licensee’s distribution system, he shall be bound by requirements of state Distribution Code and/or Licensee’s conditions of service and such connection shall not affect the performance of the grid with specified reliability, security and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.

**2. Technical and Interconnection Requirements**

- 2.1 Eligible consumer agrees that the interconnection of the rooftop solar system with the network of the licensee shall be made as per the



technical standards for connectivity of distributed generation resources specified under the Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and subsequent amendments thereof.

- 2.2 Eligible consumer agrees that he has installed or will install, prior to connection of Photovoltaic system to Licensee's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Licensee to have access to and operation of this, if required, for repair and maintenance of the distribution system.
- 2.3 Eligible consumer agrees that in case of a power outage on Licensee's system, photovoltaic system will shut down, unless special transfer and isolating capabilities have been installed on photovoltaic system.
- 2.4 Eligible consumer agrees that Licensee will specify the interface/inter-connection point and metering point.
- 2.5 Eligible consumer agrees to furnish all the data such as voltage, frequency, breaker, isolator position in his system, as and when required by the Licensee. He may also try to provide facilities for online transfer of the real time operational data.

### **3. Safety**

- 3.1 Eligible consumer shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010.
- 3.2 Eligible consumer agrees that the design, installation, maintenance and operation of the photovoltaic system are performed in a manner conducive to the safety of the photovoltaic system as well as the Licensee's distribution system.
- 3.3 Due to Licensee's obligation to maintain a safe and reliable distribution system, eligible consumer agrees that if it is determined by Licensee that eligible consumer's photovoltaic system either causes damage to and/or produces adverse effects affecting other distribution systems' consumers or Licensee's assets, eligible consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the Licensee and correct the problem at his own expense prior to a reconnection.

#### **4. Clearances and Approvals**

The eligible consumer agrees to obtain all the necessary approvals and clearances (environmental and grid connected related) before connecting the photovoltaic system to the distribution system.

#### **5. Access and Disconnection**

- 5.1 Licensee shall have access to metering equipment and disconnecting devices of photovoltaic system, both automatic and manual, at all times.
- 5.2 In emergency or outage situation, where there is no access to the disconnecting devices, both automatic and manual, such as a switch or breaker, Licensee may disconnect service to the premises.

#### **6. Liabilities**

- 6.1 Eligible consumer and Licensee will indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of photovoltaic system or Licensee's distribution system.
- 6.2 Licensee and eligible consumer will not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.
- 6.3 Licensee shall not be liable for delivery or realization by eligible consumer for any fiscal or other incentive provided by the central government.

#### **7. Commercial Settlement**

All the commercial settlement under this agreement shall follow the Haryana Electricity Regulatory Commission (Rooftop Solar Grid Interactive System based on Net Metering) Regulations, 2014.

#### **8. Connection Costs**

- 8.1 The eligible consumer shall bear all costs related to setting up of photovoltaic system including metering and interconnection costs. The eligible consumer agrees to pay the actual cost of modifications and

upgrades to the distribution facilities required to connect photovoltaic system in case it is required.

8.2 Costs of all interconnection equipment including the isolators, and meters. are also to be borne by the eligible consumer.

**9. Termination**

9.1 The eligible consumer can terminate the agreement at any time by giving 30 days prior written notice to the Licensee.

9.2. Licensee may terminate the agreement with 30 days prior written notice, if eligible consumer breaches any term of this agreement and does not remedy the breach within 30 days of receiving written notice from the Licensee of the breach.

9.3 Eligible consumer, upon termination of this agreement, shall disconnect forthwith the photovoltaic system from Licensee's distribution system.

In the witness, where of Mr. \_\_\_\_\_ for and on behalf of \_\_\_\_\_  
Eligible consumer) and Mr. \_\_\_\_\_ for and on behalf of \_\_\_\_\_  
(Licensee) agree to this agreement.

\_\_\_\_\_  
\_\_\_\_\_

# HARYANA ELECTRICITY REGULATORY COMMISSION

## Notification

The 9<sup>th</sup> June, 2015

**Regulation No. HERC/31/2014/Ist Amendment/2015-** In exercise of the powers conferred by Sections 61, 86(1)(e) and 181 of the Electricity Act, 2003 (Act 36 of 2003) and all other powers enabling it in this behalf, the Haryana Electricity Regulatory Commission hereby makes the following Regulations to amend the Haryana Electricity Regulatory Commission (Rooftop Solar Grid Interactive System based on Net Metering) Regulations, 2014 (herein after referred to as the Principal Regulations):-

### 1. SHORT TITLE, COMMENCEMENT AND SCOPE:-

- (1) These Regulations shall be called 'The Haryana Electricity Regulatory Commission (Rooftop Solar Grid Interactive System based on Net Metering) Regulations (1<sup>st</sup> Amendment), 2015'.
- (2) These Regulations shall come into force from the date of publication in the Official Gazette of Haryana.
- (3) These Regulations shall apply to the distribution licensees and consumers of electricity of distribution licensees of the State of Haryana.

### 2. Amendment of Regulation 6 (Capacity targets for Distribution Licensee).

Existing Regulation shall be substituted with the following Regulation.

6.1 The distribution licensee shall provide net metering arrangement to eligible consumers as long as the total capacity (in MW) of rooftop solar systems does not exceed the target capacity determined by the Commission

Provided a maximum cumulative capacity of 200 MW shall be initially allowed to eligible consumers under net metering, in the area of supply of each licensee, to be reviewed yearly by the Commission;

Provided that the cumulative capacity of rooftop solar systems to be allowed at a particular distribution transformer/power transformer shall not exceed **30%** of the peak capacity of the distribution transformer in case of interconnection with the grid at low tension and 15% of the peak capacity of the power transformer in case of interconnection with the grid at high tension or the revised cumulative capacity as the Commission may decide from time to time.

6.2 The licensee shall update the distribution transformer level and power transformer level capacity available for connecting rooftop solar systems under net metering arrangement and the cumulative capacity of the rooftop solar systems installed under net metering arrangement on **six monthly basis** and shall provide the information on its website as well as to the Commission.

### **3. Amendment of Regulation 9 (Energy Accounting and Settlement)**

The following Regulation shall be inserted below Regulation 9.5 as Sr. No. 9.6.

9.6 In order to promote Solar Power generation in Haryana through net metering, the licensees shall provide incentive on the power generated through rooftop solar system. Incentive at the rate of 25 Paise per unit shall be given during the FY 2015-16 on the solar power generated to the extent the same is admissible for off-setting consumer's consumption as per Regulation 9.1. The incentive payable shall be given by way of adjustment in the energy bill in each billing cycle. The incentive payable under these Regulations shall be reviewed by the Commission every year alongwith ARR/Tariff petition for that year and the incentive payable accordingly for FY 2016-17 onwards.

Provided that the amount of incentive paid by the licensees during the FY 2015-16 shall be made revenue neutral by the Commission while issuing Order on the ARR/Tariff petition of the licensees for the FY 2016-17.

Provided further that the incentive shall be paid only to the eligible consumers who install the rooftop solar system after notification of these Regulations.

### **4. Amendment of Annexure-I to the Regulation**

In Annexure – 1 to the Principal Regulation, under **CERTIFICATE OF SITE VERIFICATION**, the particulars under Serial No. 4 shall be substituted with the following:

Total capacity of rooftop solar photovoltaic systems already connected to the Distribution Transformer including this installation in kWp (capacity to be restricted as per Regulation 6.1).

By the order of the Commission

Secretary  
Haryana Electricity Regulatory Commission