

No. Comm/CP/Solar-Net metering/ 3051

Date: 25/01/2016

COMMERCIAL CIRCULAR NO.: 258

Sub: Connectivity to the Distribution network of MSEDCL for Consumers installing solar PV projects/systems below 1 MW on Rooftop or any mounting structure in their premises under the MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015--- Procedure for Application, methodology for Metering & Billing, etc.

- Ref:**
1. The Electricity Act, 2003 & all other enabling provisions.
 2. The MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015
 3. CEA Technical Standards for Connectivity of the Distribution Generation Resources) Regulations, 2013
 4. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006
 5. Central Electricity Authority (Installation and Operation of Meters) Amendment Regulations, 2014

1. Preamble:

- 1.1 In Maharashtra, there is a huge potential of Renewable energy sources such as Wind, Solar, Bagasse and to some extent bio-mass and small hydro; for generation of electricity. The Government of Maharashtra in co- ordination with MEDA and MSEDCL has always encouraged and promoted development of generation of electricity from renewable sources by providing suitable measures.
- 1.2 To promote the solar generation in Maharashtra, the Government of Maharashtra has notified new Renewable Policy dated 20.07.2015 and methodology for its implementation on dated 09.09.2015.
- 1.3 Now, the MERC has notified the MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) regulations, 2015 on 10th September, 2015 and accordingly this circular is being issued for providing guidelines and operational issues for installation of Solar PV systems on Rooftop or any mounting structure by the existing/new consumers of MSEDCL in their premises for captive use so as to align the provisions as per the Regulations, 2014.

2. Definitions:

In the MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015, the Eligible Consumer has been defined as under:

- a) *"Eligible Consumer" means a consumer of electricity in the area of supply of the Distribution Licensee who uses or intends to use a Solar Photo Voltaic ('PV') generating System having a capacity less than 1 MW, installed on a roof-top or any other mounting structure in his premises, to meet all or part of his own electricity requirement, and includes a Consumer catering to a common load such as a Housing Society :*

Provided that such generating System may be owned and/or operated by such Consumer, or by a third party leasing such System to the Consumer."

- b) *"Inter-connection Point" means the interface of the Solar PV System with the outgoing terminals of the meter / Distribution Licensee's cut-outs/ switchgear fixed in the premises of the Eligible Consumer:*

Provided that, in the case of an Eligible Consumer connected at the High Tension ('HT') level, the 'inter-connection point' shall mean the interface of the Solar PV System with the

outgoing terminals of the Distribution Licensee's metering cubicle placed before such Consumer's apparatus.

- c) "Net Meter" means an energy meter as defined in the Electricity Supply Code which is also capable of recording both the import and export of electricity, or a pair of energy meters, one for recording the import and the other for recording the export of electricity, as the case may be ;
- d) "Net Metering Arrangement" means an arrangement under which a Roof-top Solar PV System with Net Meter installed at an Eligible Consumer'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 ;

The general guidelines for implementation of the MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015 are as under:

3. Eligibility Criterion for installation of Solar PV system:

- 3.1 The consumer LT/HT consumer in MSEDCL's area can install a solar PV system less than 1 MW to cater all or part of his own electricity load requirement. This includes consumer catering to a common load such as Housing Society.
- 3.2 Such solar generation system may be owned and operated by the consumer itself or by third party leasing such system to the consumer.
- 3.3 The HT consumers (11 KV and above) may install and connect Rooftop Solar PV systems at their LT bus bar System.

4. Individual Project capacity and level:

- 4.1 The capacity of the Rooftop Solar PV system to be connected at the eligible consumer premises shall not exceed his contract Demand (in KVA) or Sanctioned load (in KW).
- 4.2 The maximum Roof-top Solar PV system capacity to be installed at eligible consumer's premises shall not exceed the cumulative capacity of the Relevant DTC which has already been utilized.
- 4.3 The variation in the capacity of the solar PV system shall be allowed within a range of 5%.
- 4.4 The Capacity limits for the connectivity of the Rooftop Solar PV systems to the Distribution network of MSEDCL shall be as specified in MERC (Standard of performance, Period of giving supply and Determination of Compensation) Regulations, 2014 as under:

Voltage level	Threshold limit of Rooftop Solar PV system
230/240 V(1 Φ)	Less than 8 kW/40 A
400/415 V(3 Φ)	Less than 150kW/187 kVA (in Municipal Corporation areas) Less than 80kW/100 kVA (in other areas)
11kV and above	Above 150KW/187 KVA and less than 1000 KVA (in Mumbai Metropolitan Region) Above 80 kW/100 kVA and less than 1000 kVA (in other areas)

- 4.5 An eligible consumer may install or enhance the capacity of or upgrade the rooftop Solar PV systems at different locations within same premises, however the total capacity of such systems within the same premises shall not exceed the individual capacity limits as above.

5. Inter-connection with the Distribution network:

The inter-connection point for installation of Rooftop solar PV systems under Net metering Regulations, 2015 is defined as under:

"Inter-connection Point" means the interface of the Solar PV System with the outgoing terminals of the meter / Distribution Licensee's cut-outs/ switchgear fixed in the premises of the Eligible Consumer:

Provided that, in the case of an Eligible Consumer connected at the High Tension ('HT') level, the 'inter-connection point' shall mean the interface of the Solar PV System with the outgoing terminals of the Distribution Licensee's metering cubicle placed before such Consumer's apparatus.

However, in case HT(11 KV and above) consumer is installing the net metering Solar PV system, with the connectivity at LT Bus bar system in their premises, the net meter shall be installed on the HT side of the Transformer.

6. Grid standards and safety:

- 6.1 The Eligible consumer can install a Rooftop Solar PV System with or without battery. However, if an eligible consumer opts for connectivity with the battery Back-up, the inverter shall have separate back-up wiring to prevent the battery/decentralized generation power from flowing into the Grid.
- 6.2 The consumer shall be responsible for the safe operation, maintenance and rectification of any defect in the Rooftop Solar PV system up to the point of Net-meter.
- 6.3 The consumer shall provide appropriate protection for islanding of the Roof-top Solar PV System from the Network of Distribution Licensee in the event of Grid or supply failure of supply and the same shall be verified/ certified by Testing Division in consultation with concerned Sub-division/circle.

7. Metering:

- 7.1 The Net Metering Arrangement shall include a single-phase or a three-phase Net Meter, as may be required, located at the point of inter-connection as ascertained by MSEDCL.
- 7.2. The Net Meter shall conform to the standards specified by the CEA for installation and operation of meters.
- 7.3. The Net Meter in the premises of the Eligible Consumer shall be procured and installed by MSEDCL at its own cost and in accordance with the provisions of the Electricity Supply Code:

If the Eligible Consumer is within the ambit of Time-of-Day ('ToD') Tariff, the Net Meter installed shall be capable of recording ToD consumption and generation. MSEDCL shall replace the meter of an existing Eligible Consumer with a Net Meter

The Eligible Consumer may opt to procure, at his cost, the Net Meter for testing and installation by the MSEDCL.

- 7.4. MSEDCL shall be responsible for the supply, installation, testing and maintenance of the metering equipment, and its adherence to the applicable standards and specifications.
- 7.5. The Eligible Consumer shall install, at his own cost, a Solar Generation Meter conforming to the applicable CEA Regulations at an appropriate location to measure the energy generated from the Roof-top Solar PV system, if he is an Obligated Entity and desires that such energy be counted towards meeting its RPO.

- 7.6. MSEDCL shall install, at its own cost and with the consent of the Eligible Consumer, a Solar Generation Meter conforming to the applicable CEA Regulations at an appropriate location to measure the energy generated from the Roof-top Solar PV System if it desires that such energy be counted towards meeting its RPO.
- 7.7. The Solar Generation Meter shall be maintained by the MSEDCL at its cost.
- 7.8. The Net Meter and the Solar Generation Meter shall be installed at such locations in the premises of the Eligible Consumer as would enable easy access to the MSEDCL for meter reading.
- 7.9. Till the Net meters are procured by MSEDCL/available in the open market and approval is accorded to various meter manufactures as per MSEDCL's approved technical specifications to various types of Net Energy meters, the existing pair of meters (one for export of energy and other for import of energy) shall be installed at the consumers premises for metering as approved by concerned Testing division in consultation with concerned sub-division/division/ circle office, as the case may be.

8. Application /Procedure for Open Access:

- 8.1 Net Metering procedure(Annexure-1), Application Form(Annexure-2) & the format of Net metering Connection Agreement (Annexure-3) are available in downloadable form on the website of MSEDCL – www.mahadiscom.in.
- 8.2 Application to seek connectivity for Rooftop Solar PV installation systems under net Metering shall be submitted by eligible consumer in accordance with Regulation 8.1, Proviso 1, of (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015.
- 8.3 Duly filled Application Form, in prescribed format, shall be submitted to the office of the respective nodal officer/ authorities authorized for billing along with requisite Processing Fees (non-refundable) and certified true copies of the documents as may be required/

Informed from time to time as under:

Voltage level	Threshold limit of rooftop Solar PV system	Authority to which the application is to be made	Sanctioning authority
230/240V(1Φ)	Less than 8 kW/40 A	Concerned Sub-division Office	As per SoP and various Circulars issued from time to time for sanctioning the load
400/415 V(Φ)	Less than 150kW/187 kVA (in Municipal Corporation areas) Less than 80kW/100 kVA (in other areas)	Concerned Sub-division Office	
11kV and above	Above 150KW/187 KVA and less than 1000 KVA (in Mumbai Metropolitan Region) Above 80 kW/100 kVA and less than 1000 kVA (in other areas)	Concerned Circle office	

- 8.4 The application shall be accompanied by a registration fees of Rs 500/- (Rupees Five Hundred) for the consumers with sanctioned load//contract demand up to 5 KW and Rs.1000/- (Rupees one thousand) for the consumers with sanction load/contract demand above 5 KW per solar PV system installation location.(A/c Head 62921.9 & GL Code 30501017)
- 8.5 The consumer or person, if found eligible for installation of Solar PV systems under net metering, shall have to execute Net Metering Connection Agreement after approval of connectivity of rooftop Solar PV system before the start of actual generation from the System.
- 8.6 The SE (O&M), MSEDCL shall be the nodal officer to take monthly review and to co-ordinate the implementation of connectivity of Rooftop Solar PV systems issued by the concerned authorities as above.

9. Energy Accounting & Settlement:

- 9.1 The billing in charge where the Eligible consumer is situated shall be the Nodal Officer for approval and release of connectivity for Rooftop Solar PV systems under Net Metering.
- 9.2 The energy accounting and billing shall be carried out by the Nodal Officer.
- 9.3 The accounting of electricity exported and imported by the Eligible Consumer shall become effective from the date of connectivity of the Roof-top Solar PV System with the distribution Network.
- 9.4 For each Billing Period, the Energy Bill shall show separately :—
(a) the quantum of electricity Units exported by the Eligible Consumer ;
(b) the quantum of electricity Units imported by the Eligible Consumer ;
(c) the net quantum of electricity Units billed for payment by the Eligible Consumer ;
and
(d) the net quantum of electricity Units carried over to the next Billing Period :

If the quantum of electricity exported exceeds the quantum imported during the Billing Period, the excess quantum shall be carried forward to the next Billing Period as credited Units of electricity.

If the quantum of electricity Units imported by the Eligible Consumer during any Billing Period exceeds the quantum exported, MSEDCL shall raise its invoice for the net electricity consumption after adjusting the credited Units.

- 9.5 The unadjusted net credited Units of electricity as at the end of each financial year shall be purchased by MSEDCL at its Average Cost of Power Purchase as approved by the Commission for that year, within the first month of the following year,

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

- 9.6 In case the Eligible Consumer is within the ambit of ToD tariff, the electricity consumption in any time block, i.e. peak hours, off-peak hours, etc., shall be first compensated with the quantum of electricity injected in the same time block. Any excess injection over and above the consumption in any other time block in a Billing Cycle shall be accounted as if the excess injection had occurred during off-peak hours.
- 9.7 MSEDCL shall compute the amount payable to the Eligible Consumer for the excess solar energy purchased by it as specified in Regulation 9.5, and shall provide credit equivalent to the amount payable in the immediately succeeding Billing Cycle.

- 9.8 The Eligible Consumer shall have recourse, in case of any dispute with MSEDCL regarding billing, to the mechanism specified by the Commission under Sections (5) to (7) of the Act for the redressal of grievances.
- 9.9 The Solar energy generated by an Eligible Consumer in a Net Metering Arrangement under these Regulations shall not be eligible for REC.
- 9.10 The Solar generation data shall be monitored quarterly so as to ascertain whether the efficiency of Solar plant is commensurate with the capacity utilization factor(CUF) determined by MERC from time to time.

10. Net metering Connection Agreement:

The Eligible consumer shall execute a Net metering Connection Agreement on Stamp Paper of Rs.200/- with MSEDCL as per Regulation No. 9 of MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015.A Copy of Net metering Connection Agreement is enclosed as Annexure-3.

11. Incentives & penalties:

- 11.1 Eligible consumer opts for Net metering by installation of Rooftop Solar PV system for his partial requirement of load, such consumer shall be eligible for incentives, which may be applicable as per MERC Tariff Order for MSEDCL consumer; only to the extent it uses MSEDCL supply.
- 11.2 The Eligible consumer shall be liable to pay the penalty charges which may be applicable as per MERC tariff order, amended from time to time, if the power factor is not maintained at required level as per State Grid Code.
- 11.3 In case of default in payment of any of the charges otherwise payable by a eligible consumer /person, MSEDCL shall have the right to dislocate the arrangement of net metering after giving an intimation of 24 hours to such consumer / person and in such circumstances, MSEDCL shall not be liable to pay any compensation to such consumer or person for the loss that such consumer or person may sustain on any account.

12. General Conditions:

- 12.1 The Rooftop solar PV System installation shall be permitted on 'first come, first Serve' basis in non-discriminatory manner by MSEDCL.
- 12.2 The consumers, who have already installed Roof-top Solar PV systems (less than 1 MW) before commencement of these Regulations, shall be given priority for allowing such connectivity to Distribution network for net metering purpose.
- 12.3 The cumulative capacity of all Rooftop Solar PV systems under net metering arrangements connected to a particular Distribution Transformer shall not exceed 40% of its rated capacity.
- 12.4 The solar PV installation beyond 40% of DTC rated capacity may be allowed upon consideration of detailed load study on particular DTC.
- 12.5 The connectivity of Rooftop solar PV installation net metering systems shall be governed by CEA(Technical Standard for Connectivity of the Distributed Generation Resources) Regulations, 2013, CEA (Measures relating to Safety and Electricity Supply), Regulations, 2010 and MERC state Grid code 2006 or as may be specified in future.

12.6 MSEDCL shall have the right to disconnect the Roof-top Solar PV System from its Network at any time in the event of any threat of accident or damage from such System to its distribution system so as to avoid any accident or damage to it. However, the Eligible Consumer may use his Roof-top Solar PV System in islanding mode for his own consumption.

All the field officers are requested to take necessary action accordingly.

Encl: Annexure 1, 2 and 3.


Chief Engineer (Commercial)

Copy to all : As per mailing list

ANNEXURE-1

Procedure for Application for connectivity of Roof-top Solar PV System with Distribution Licensee's Network

- (a) A consumer intending to set up a Roof-top Solar Net Metering System or who has already installed such a System may download the Application Form from the MSEDCL's website www.mahadiscom.in and submit it, duly filled, along with technical details of the System to the concerned office of MSEDCL along with registration fee, or apply and pay the fee online.
- (b) Duly filled Application Form, in prescribed format, shall be submitted to the office of the respective nodal officer/ authorities authorized for billing along with requisite Processing Fees (non-refundable) and certified true copies of the documents as may be required /informed from time to time as under:

Voltage level	Threshold limit of rooftop Solar PV system	Authority to which the application is to be made	Sanctioning authority
230/240V(1Φ)	Less than 8 kW/40 A	Concerned Sub-division Office	As per SoP and various Circulars issued from time to time for sanctioning the load
400/415 V(Φ)	Less than 150kW/187 kVA (in Municipal Corporation areas) Less than 80kW/100 kVA (in other areas)	Concerned Sub-division Office	
11kV and above	Above 150KW/187 KVA and less than 1000 KVA (in Mumbai Metropolitan Region) Above 80 kW/100 kVA and less than 1000 kVA (in other areas)	Concerned Circle office	

- (c) MSEDCL's concerned office shall register the Application in separate register on first come first basis and acknowledge its receipt within three working days; or intimate the Applicant within that period of any deficiency or incompleteness.
- (d) MSEDCL concerned office shall conduct a technical feasibility study within 15 working days from the registration of the Application considering the following aspects:—
- (i) AC Voltage level at which connectivity is sought;
 - (ii) Sanctioned Load / Contract Demand of the Applicant;
 - (iii) Rated Output AC Voltage of the proposed Roof-top Solar PV System;
 - (iv) Available cumulative capacity of relevant Distribution Transformer;

- (e) Before rejecting any application for setting up a Roof-top Solar PV System at a particular Distribution Transformer, MSEDCL concerned officer shall serve the Applicant with a notice to rectify, within 15 days or such longer period as may be necessary, the deficiencies.
- (f) If found technically feasible, MSEDCL Nodal Office shall, within 7 working days of the completion of the feasibility study, convey its approval for installing the Roof-top Solar PV System. The approval shall indicate the maximum permissible capacity of the System, and shall be valid for a period of 6 months from the date of approval, or such extended period as may be agreed to by the MSEDCL.
- (g) The Applicant shall, within the period of validity of such approval, submit the work completion report, along with relevant details (such as technical specifications, test reports received from manufacturer / system provider, Electrical Inspector permission along with approved Single Line Diagram, etc.), with a request to the MSEDCL for the testing and commissioning of the Roof-top Solar PV System.
- (h) MSEDCL shall complete the testing and commissioning of the System within 10 working days from receipt of such request, and shall install the Net Metering equipment and synchronise the Roof-top Solar PV System within 10 working days thereafter.
- (i) The Eligible Consumer and MSEDCL shall enter into a Net Metering Connection Agreement in the prescribed format after the Roof-Top Solar PV System is installed but before it is synchronized with the distribution Network.

ANNEXURE-2

Application Form for installation of Roof-top Solar PV System under Net Metering arrangement

Name of Distribution Licensee: Maharashtra State Electricity Distribution Co.Ltd
(MSEDCL)

Name of Administrative Office:

Application No. : _____

Date of Receipt : _____

(To be filled by the Applicant in Block Letters)

1	Applicant's Full Name	:	
2	Address of the premises at which Roof-top Solar PV System is to be installed	:	
3	Telephone/Mobile No.	:	
4	E-mail ID (if available)	:	
5	Alternate Address for communication (if any)	:	
6	Category of existing electricity connection	:	
7	Consumer No.	:	
8	Sanctioned Load / Contract Demand (in kW /kVA/ HP)	:	
9	Voltage at which existing supply has been given (in volts)	:	
10	Proposed AC capacity of Roof-top Solar PV System to be installed (in kW)	:	
11	Voltage at the output of Solar inverter (in volts)	:	
12	Details of Registration Fee paid (For consumers with Sanctioned Load-upto 5 kW: Rs. 500; For consumers with Sanctioned Load/Contract Demand above 5 kW: Rs.1,000).	:	

Date : _____

Signature of Applicant.

List of documents attached with Application Form:

1. Copy of the latest paid electricity bill.
2. General Power of Attorney in favour of signatory in case of Partnership Firms; certified true copy of the Resolution, authorizing the signatory to deal with the concerned Distribution Licensee, passed by the Board of Directors in case of Companies (as applicable).
3. Technical details of PV modules, Inverter and other equipment of system proposed to be installed.
4. Proof of payment of Registration Fee.

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ACKNOWLEDGEMENT

Received an Application from for connectivity/installation of Roof-top Solar PV System of capacity of kW as per details below :—

Date of Receipt	Applicant's Name	Application Number	Existing Consumer No.	Capacity of Roof-top Solar PV System
(1)	(2)	(3)	(4)	(5)

Date :

(Signature and Designation of Authorized Officer)

ANNEXURE – 3

Net Metering Connection Agreement

(On Rs.200/- Stamp paper)

This Agreement is made and entered into at (location) -----on this (date)-----
---- day of (month)----- (year)-----between the Eligible Consumer (Name)--
----- having premises at (address)----- and Consumer No.----- as
the first Party,

AND

The Distribution Licensee----- (hereinafter referred to as 'the Licensee')
and having its Registered Office at (address) -----
-----as second Party of this Agreement;

Whereas, the Eligible Consumer has applied to the Licensee for approval of a Net Metering Arrangement under the provisions of the Maharashtra Electricity Regulatory Commission (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015 ('the Net Metering Regulations') and sought its connectivity to the Licensee's Distribution Network ;

And whereas, the Licensee has agreed to provide Network connectivity to the Eligible Consumer for injection of electricity generated from its Roof-top Solar PV System of ----
-----kilowatt;

Both Parties hereby agree as follows:-

1. Eligibility:

The Roof-top Solar PV System meets the applicable norms for being integrated into the Distribution Network, and that the Eligible Consumer shall maintain the System accordingly for the duration of this Agreement.

2. Technical and Inter-connection Requirements:

- 2.1. The metering arrangement and the inter-connection of the Roof-top Solar PV System with the Network of the Licensee shall be as per the provisions of the Net Metering Regulations and the technical standards and norms specified by the Central Electricity Authority for connectivity of distributed generation resources and for the installation and operation of meters.
- 2.2. The Eligible Consumer agrees, that he shall install, prior to connection of the Roof-top Solar PV System to the Network of the Licensee, an isolation device (both automatic and in built within inverter and external manual relays); and the

Licensee shall have access to it if required for the repair and maintenance of the Distribution Network.

- 2.3. The Licensee shall specify the interface/inter-connection point and metering point.
- 2.4. The Eligible Consumer shall furnish all relevant data, such as voltage, frequency, circuit breaker, isolator position in his System, as and when required by the Licensee.

3. Safety:

- 3.1 The equipment connected to the Licensee's Distribution System shall be compliant with relevant International (IEEE/IEC) or Indian Standards (BIS), as the case may be, and the installation of electrical equipment shall comply with the requirements specified by the Central Electricity Authority regarding safety and electricity supply.
- 3.2 The design, installation, maintenance and operation of the Roof-top Solar PV System shall be undertaken in a manner conducive to the safety of the Roof-top Solar PV System as well as the Licensee's Network.
- 3.3 If, at any time, the Licensee determines that the Eligible Consumer's Roof-top Solar PV System is causing or may cause damage to and/or results in the Licensee's other consumers or its assets, the Eligible Consumer shall disconnect the Roof-top Solar PV System from the distribution Network upon direction from the Licensee, and shall undertake corrective measures at his own expense prior to re-connection.
- 3.4 The Licensee shall not be responsible for any accident resulting in injury to human beings or animals or damage to property that may occur due to back-feeding from the Roof-top Solar PV System when the grid supply is off. The Licensee may disconnect the installation at any time in the event of such exigencies to prevent such accident.

4. Other Clearances and Approvals:

The Eligible Consumer shall obtain any statutory approvals and clearances that may be required, such as from the Electrical Inspector or the municipal or other authorities, before connecting the Roof-top Solar PV System to the distribution Network.

5. Period of Agreement, and Termination:

This Agreement shall be for a period for 20 years, but may be terminated prematurely

- (a) By mutual consent; or
- (b) By the Eligible Consumer, by giving 30 days' notice to the Licensee ;
- (c) By the Licensee, by giving 30 days' notice, if the Eligible Consumer breaches any terms of this Agreement or the provisions of the Net Metering Regulations and does not remedy such breach within 30 days, or such other reasonable period as may be provided, of receiving notice of such breach, or for any other valid reason communicated by the Licensee in writing.

6. Access and Disconnection:

- 6.1. The Eligible Consumer shall provide access to the Licensee to the metering equipment and disconnecting devices of Roof-top Solar PV System, both automatic and manual, by the Eligible Consumer.
- 6.2. If, in an emergent or outage situation, the Licensee cannot access the disconnecting devices of the Roof-top Solar PV System, both automatic and manual, it may disconnect power supply to the premises.
- 6.3. Upon termination of this Agreement under Clause 5, the Eligible Consumer shall disconnect the Roof-top Solar PV System forthwith from the Network of the Licensee.

7. Liabilities:

- 7.1. The Parties shall indemnify each other for damages or adverse effects of either Party's negligence or misconduct during the installation of the Roof-top Solar PV System, connectivity with the distribution Network and operation of the System.
- 7.2. The Parties shall not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or goodwill, or for indirect, consequential, incidental or special damages including, but not limited to, punitive or exemplary damages, whether any of these liabilities, losses or damages arise in contract, or otherwise.

8. Commercial Settlement:

- 8.1. The commercial settlements under this Agreement shall be in accordance with the Net Metering Regulations.
- 8.2. The Licensee shall not be liable to compensate the Eligible Consumer if his Rooftop Solar PV System is unable to inject surplus power generated into the Licensee's Network on account of failure of power supply in the grid/Network.
- 8.3. The existing metering System, if not in accordance with the Net Metering Regulations, shall be replaced by a bi-directional meter (whole current/CT operated) or a pair of meters (as per the definition of 'Net Meter' in the

Regulations), and a separate generation meter may be provided to measure Solar power generation. The bi-directional meter (whole current/CT operated) or pair of meters shall be installed at the inter-connection point to the Licensee's Network for recording export and import of energy.

- 8.4. The uni-directional and bi-directional or pair of meters shall be fixed in separate meter boxes in the same proximity.
- 8.5. The Licensee shall issue monthly electricity bill for the net metered energy on the scheduled date of meter reading. If the exported energy exceeds the imported energy, the Licensee shall show the net energy exported as credited Units of electricity as specified in the Net Metering Regulations, 2015. If the exported energy is less than the imported energy, the Eligible Consumer shall pay the Distribution Licensee for the net energy imported at the prevailing tariff approved by the Commission for the consumer category to which he belongs.

9. Connection Costs:

The Eligible Consumer shall bear all costs related to the setting up of the Roof-top Solar PV System, excluding the Net Metering Arrangement costs.

10. Dispute Resolution:

- 10.1 Any dispute arising under this Agreement shall be resolved promptly, in good faith and in an equitable manner by both the Parties.
- 10.2 The Eligible Consumer shall have recourse to the concerned Consumer Grievance Redressal Forum constituted under the relevant Regulations in respect of any grievance regarding billing which has not been redressed by the Licensee.

In the witness where of -----(name) for and on behalf of Eligible Consumer and Shri.----- (name) for and on behalf of MSEDCL agree to this agreement.

Shri. -----
for and on behalf of Eligible Consumer

Shri.-----
for and on behalf of MSEDCL

Witness 1:

Witness 1:

Witness 2:

Witness 2: