

Application for Net Metering and Grid Connectivity of Grid Connected Rooftop & Small Solar Photovoltaic System

To:
The AEN (O&M)
AVVNL

Date:

I/We herewith apply for a solar energy net-metering connection at the service connection and for the solar PV plant of which details are given below.

1.	Name of applicant	
2.	Address of applicant	
3.	Service connection number/Account Number	
4.	Single Phase/Three Phase	
5.	Sanction Load (KW)/Contract Demand (KVA)	
6.	Category (DS/NDS etc)	
7.	Telephone number (s)	
8.	Email ID	
9.	Solar PV plant capacity (kilo Watts)	
10.	Solar grid inverter make and type	
11.	Solar grid inverter has automatic isolation protection (Y/N)	
12.	Has a solar Generation Meter been installed (Y/N)	
13.	Expected date of commissioning of solar PV system.	
14.	Details of test certificates of Solar PV plant/inverter for standards required under the Regulations	
15.	Whether applicant wish to avail MNRE subsidy (Yes/No)	
16.	Whether MNRE subsidy is sanctioned (Yes/No)	

Documents Enclosed:

1. Copy of latest Electricity Bill
2. Copy of subsidy sanction letter from MNRE
3. Self certification for not availing MNRE subsidy

Certificate: The above stated information is true to the best of my knowledge.

Place:

Date:

Name:

Signature:

Schedule of Charges

Annexure-II

S.No.	Description	Amount
1.	Application Fee	
	I. LT Single Phase	Rs. 200
	II. LT Three Phase	Rs. 500
	III. HT - 11 kV	Rs. 1000
	IV. HT - 33 kV	Rs. 2000
2.	Security Deposit for Solar PV Plant	
	(a) Domestic	Rs. 100/KW
	(b) Non Domestic	Rs. 200/KW

The amount of security for Eligible Consumer other than the owner of the premises, shall be double of the amount as mentioned above. The security deposit shall not bear any interest.

Net-metering Application Acknowledgement

Received an application for a solar energy net-metering connection from,

Name:

Date:

Service Connection number:

Application registration no.:

Solar Plant Capacity:

Name of Officer:

Signature:

Designation/ (Name of Discom)

Annexure-IV

PERFORMA FOR TECHNICAL FEASIBILITY REPORT

S.No.	Parameter	Discom Observation
A.	Applicant Details:	
1.	Name of the Applicant	
2.	Address of applicant	
3.	Application Registration Number	
4.	Category (DS/NDS etc.)	
5.	Type of connection: 1ph LT or 3 ph LT/HT	
6.	Size and type of LT cable (1 Phase/3Phase)	
7.	Phone/Mobile Number	
8.	E-Mail	
9.	Sanctioned Load in KW/Contract Demand in KVA	
B	Distribution Transformer Details:	
1.	Location	
2.	Capacity in KVA	
3.	Total Connected Load in KW	
4.	Tong tester reading of current in all 3 phases and neutral	
5.	SRTPV already Proposed/connected in KW	
6.	Proposed SRTPV capacity in KW	
7.	Total Generation Capacity (5+6) in KW	
8.	Size of LT cable	
9.	Whether the transformer capacity is adequate to deliver the proposed SRTPV system in addition to existing solar RTPV systems Note: (The Transformer shall be loaded upto 30% of capacity)	
C.	Feeder Details:	
1.	Name of the 11 KV feeder	

2.	Name of the 33/11 KV Sub-station	
3.	Type of the conductor/cable (size)	
4.	Total connected load on the feeder in KVA	
5.	Total capacity (KWp) of SRTPV systems connected on the feeder	
6.	Peak load on the feeder in Amps	
7.	Whether proposed SRTPV installation is technically feasible or not.	Yes/No* (if it is not feasible, state reasons)

Enclosure: 11 KV feeder & LT Distribution Single line diagram of the transformer

It is certify that the above said SRTPV installation is technically feasible.

Note: You are advised to furnish the test certificates of equipment's of rooftop solar PV system.

JEN(O&M)

AVVNL

AEN(O&M)

AVVNL

Net Metering inter connection agreement

This Agreement is made and entered into at (location) _____ on this (date) _____ day of (month) _____ year _____ between The Eligible Consumer, by the name of _____ having premises at (address) _____ as first party AND Distribution Licensee (herein after called as Discom) and represented by _____ (designation of office) and having its registered office at (address) _____ as second party of the agreement And whereas, the Discom agrees to provide grid connectivity to the Eligible Consumer for injection of the electricity generated from his SPV plant of capacity _____ kilowatts into the power system of Discom and as per conditions of this agreement and RERC (Connectivity and Net Metering for Rooftop and Small Solar Grid Interactive Systems) Regulations, . 2015 issued by the Rajasthan Electricity Regulatory Commission. Both the parties hereby agree to as follows:

1. Eligibility

- 1.1 Eligibility for net-metering has been specified in the relevant order of the Rajasthan electricity Regulatory Commission. Eligible Consumer has to meet the standards and conditions for being integrated into grid/distribution system.

2. Technical and Interconnection Requirements

- 2.1 The Eligible Consumer agrees that his solar generation plant and net metering system will conform to the standards and requirements specified in RERC (Connectivity and Net Metering for Rooftop and Small Solar Grid Interactive Systems) Regulations, 2015 and in the following Regulations and codes as amended from time to time.
- i. CEA's (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013
 - ii. Central Electricity Authority (Installation and Operation of Meters) Regulation 2006
 - iii. RERC Supply Code Regulations 2004
- 2.2 Eligible Consumer agrees that he has installed or will install, prior to connection of Photovoltaic system to Discom's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Discom to have access to and operation of this, if required and for repair & maintenance of the distribution system.
- 2.3 Eligible Consumer agrees that in case of a power outage on Discom's system, photovoltaic system will disconnect/isolate automatically and his plant will not inject power into Licensee's distribution system.
- 2.4 All the equipment connected to distribution system shall be compliant with relevant

International (IEEE/IEC) or Indian standards (BIS) and installations of electrical equipment must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010.

- 2.5 Eligible Consumer agrees that licensee will specify the interface/interconnection point and metering point.
- 2.6 Eligible Consumer and licensee agree to comply with the relevant CEA regulations and RERC (Metering) Regulations, 2007 in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility, schedule, harmonics, synchronization, voltage, frequency, flicker etc.
- 2.7 Due to Discom's obligation to maintain a safe and reliable distribution system, Eligible Consumer agrees that if it is determined by the Discom that Eligible Consumer's photovoltaic system either causes damage to and/or produces adverse effects affecting other consumers or Discom's assets, Eligible Consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the Discom and correct the problem at his own expense prior to a reconnection.
- 2.8 The consumer shall be solely responsible for any accident to human being/animals whatsoever (fatal/non-fatal/departmental/non-departmental) that may occur due to back feeding from the SPG plant when the grid supply is off. The distribution licensee reserves the right to disconnect the consumer's installation at any time in the event of such exigencies to prevent accident or damage to man and material.

3. Clearances and Approvals

- 3.1 The Eligible Consumer shall obtain all the necessary approvals and clearances (environmental and grid connection related) before connecting the photovoltaic system to the distribution system.

4. Access and Disconnection

- 4.1 Discom shall have access to metering equipment and disconnecting means of the solar photovoltaic system, both automatic and manual, at all times.
- 4.2 In emergency or outage situation, where there is no access to the disconnecting means, both automatic and manual, such as a switch or breaker, Discom may disconnect service to the premises of the Eligible Consumer.

5. Liabilities

- 5.1 Eligible Consumer and Discom shall 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 Discom's distribution system.
- 5.2 Discom and Eligible Consumer shall 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.

5.3 Discom shall not be liable for delivery or realization by Eligible Consumer for any fiscal or other incentive provided by the Central/State Government beyond the scope specified by the Commission in its relevant Order

5.4 The Discom may consider the quantum of electricity generation from the rooftop solar PV system under net metering arrangement towards RPO. (Applicable only in case of Eligible Consumer who is not defined as an Obligated Entity).

5.5 The proceeds from CDM benefits shall be retained by the Discom.

6. Commercial Settlement

6.1 All the commercial settlement under this agreement shall follow the Net Metering Regulations, 2015 issued by the RERC.

7. Connection Costs

7.1 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 service line required to connect photovoltaic system to the grid in case it is required.

8. Termination

8.1 The Eligible Consumer can terminate agreement at any time by providing Discom with 90 days prior notice.

8.2 Discom has the right to terminate Agreement on 30 days prior written notice, if Eligible Consumer commits breach of any of the term of this Agreement and does not remedy the breach within 30 days of receiving written notice from Discom of the breach.

8.3 Eligible Consumer shall upon termination of this Agreement, disconnect the photovoltaic system from Discom's distribution system in a timely manner and to Discom's satisfaction.

In witness, whereof, Mr. _____ for and on behalf of --- (Eligible

Consumer) and Mr. _____ for and on behalf of --- (Discom) sign this agreement in two originals.

Eligible Consumer
Name
Address

Ajmer Discom
Name
Designation