

Guiding/Helping
Standard Operating Procedure (SOP)
for
Implementation
of
Virtual Net Metering
and
Group Net Metering Mechanism

Disclaimer:

1. This document is to help the Stakeholders to develop their own set of documents based on State Regulations etc. It should not be taken to be a document mandated by MNRE to be necessarily followed by others.
2. Comments and Suggestions on the document are always welcomed to improve the document further.

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Chapter 1: Model GNM and VNM Regulations

1. Definitions:

Following definitions are for reference purposes only. The definition as mentioned by the specific State or UT Regulator will prevail:

- 1.1. "Virtual Net Metering" has an arrangement whereby entire energy generated/injected from a Renewable Energy System or Battery Energy Storage System (BESS) charged through Renewable Energy System is exported to the grid from renewable energy meter/ gross meter and the energy exported is adjusted in more than one electricity service connection(s) of participating consumers located within the same distribution licensee's area of supply.
- 1.2. "Group Net Metering" has an arrangement whereby surplus energy generated/injected from a Renewable Energy System or Battery Energy Storage System (BESS) charged through Renewable Energy System is exported to the grid through Net Meter and the exported energy is adjusted in more than one electricity service connection(s) of the same consumer located within the same distribution licensee's area of supply.
- 1.3. "Eligible Consumer" means a consumer of electricity in the area of supply of the Distribution Licensee, who uses a self-owned or third party owned solar power project, to offset part or all of the consumer's own electricity requirements.

2. Consumer Registration / Applications:

- 2.1. The capacity of the renewable energy system under Group Net Metering or Virtual Net Metering framework to be installed by any consumer/applicant shall not be less than ___ kw or more than ___ kw (as specified by state regulations).
- 2.2. The Eligible consumer(s)/ applicant(s) shall make an application to Distribution Licensee for Group Net Metering or Virtual Net Metering in the prescribed format (*Annex-A or D*) along with a non-refundable fee of **Rs.__(Rupees in words)** as registration and feasibility analysis fee based on the proposed installed capacity. All the necessary forms and formats are enclosed with the document.

3. Technical Feasibility Analysis:

- 3.1. Distribution Licensee shall carry out the technical feasibility analysis based on the furnished information in the application submitted by the eligible consumers.
- 3.2. An internal review to check if the proposed Rooftop Solar Plant satisfies the requisite technical standards of MNRE/ DISCOM/SERC, especially with respect to inverter specifications, penetration levels, safety aspects like anti-islanding and protection devices, etc. shall be undertaken. This analysis shall be carried out within ___ working days from the date of submission of application (as per state regulations).
- 3.3. In absence of any intimation from the DISCOM within the stipulated time frame, it

- shall be considered as deemed approved (or as specified by the state regulation).
- 3.4. DISCOM shall accord feasibility approval to consumers on a first come first serve basis.
 - 3.5. The maximum penetration limits at the level of distribution network shall not be more than ___ of that DT or any other transformer (as per state regulations).

4. Connection Agreement:

- 4.1. The Eligible consumers and the Distribution Company shall enter into an agreement that specifies the technical information, commercial arrangement and the clear roles and responsibilities of all the concerned stakeholders as specified in **Annex-B or E**, within **___ days** of issuing technical feasibility analysis (as per state regulations).
- 4.2. If Agreement is not entered by the Eligible Consumer, application is deemed to be cancelled.
- 4.3. The plant shall be installed within **___ months** from the date of Agreement (as per state regulations).
- 4.4. In case of any delay beyond **___ months** (as per state regulation), DISCOM may provide the time extension on case-to-case basis, after which the agreement shall be deemed terminated without any reason at the sole discretion.

5. Metering and Synchronization:

- 5.1. All the meters installed at the RTS system shall comply with the CEA (Installation and Operation of Meters), Regulations, 2006 and subsequent amendments thereof.
- 5.2. The appropriate meter(s) at the premises of the consumer shall be procured, installed, and maintained by the Distribution Licensee at the cost of the Eligible Consumer. However, if the Eligible Consumer wishes to procure the appropriate Meter(s), they may procure such meter(s) and present the same to the Distribution Licensee for testing and installation.
- 5.3. The location of appropriate meter(s) shall be in accordance with the CEA (Installation and Operation of Meters), Regulations, 2006 with amendments from time to time.
- 5.4. The installation of solar meters shall be mandatory for all the rooftop solar systems.
- 5.5. All the meters installed shall be jointly inspected and sealed on behalf of both the parties, provided that, the meter reading taken by the Distribution Licensee shall form the basis of commercial settlement.
- 5.6. The plant shall be synchronized within ___ working days of inspection by DISCOM/ approval /payment of metering cost or as per state regulation. Upon synchronization of the plant with the grid, the DISCOM personnel shall inspect,

the meter(s) and ensure installation of safety features/precautions. A commissioning certificate would be issued by the DISCOM subject to the test results which should conform to the Regulatory requirements/ Standards.

- 5.7. Meter reading shall be done as per the prevailing DISCOM procedure.

6. Energy Accounting and Settlement

The details of Energy Accounting and Settlement that shall be followed is given below:

- 6.1. **For VNM:** The energy generated from Renewable Energy System shall be credited in the monthly electricity bill of each participating consumer(s) as per the ratio indicated under application to DISCOM (*Annex-A*).

For GNM: The energy generated from Renewable Energy System shall be credited in the monthly electricity bill of each participating connection(s) as per the ratio indicated in the application form (*Annex-D*).

- 6.2. **For VNM:** The consumer(s) shall have the option to change the share of credit of electricity from Renewable Energy System subject to the ratio of procurement from Renewable Energy System indicated under the agreement/ MoU entered by the consumer(s) once in the financial year with an advance notice of __ months.

For GNM: The priority list for adjustment of the balance surplus energy against other electricity connection(s) may be revised by the consumer once in every financial year with an advance notice of __ months (as per state regulations).

- 6.3. Where the service connection of any participating consumer(s)/connection(s) is disconnected due to any reason under any law for the time being in force, the unadjusted units/ remaining credits of that consumer(s)/connection(s) shall be paid by the distribution licensee at the end of the financial year.

- 6.4. **For VNM:** The electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity generation in the similar time blocks in the same billing cycle of the participating consumer(s). Any surplus generation over consumption in any time block in a billing cycle shall be accounted as if the surplus generation/ Energy Credits have occurred during the off-peak time blocks.

For GNM: The electricity consumption in any time block (e.g., peak hours, off-peak hours, etc.) shall be first compensated with the electricity generation in the similar time blocks in the same billing cycle of the consumer where the Renewable Energy System is located and any surplus units injected shall be adjusted against

the energy consumed in the monthly bill of service connection(s) in a sequence indicated in the priority list provided by the consumer as if the surplus generation/ Energy Credits occurred during the off peak time blocks for Time of Day (ToD) consumers and normal time block for Non-ToD consumer.

- 6.5. **For VNM:** Where the units credited during any billing period of any participating consumer exceeds the import of units by that consumer, such surplus credited units shall be carried forward in the next billing period as energy credits for adjustment against the energy consumed in subsequent billing periods within the settlement period of each participating consumer(s).

For GNM: Where the export of units during any billing period exceeds the import of units at the connection where Renewable Energy system is located, such surplus units injected into the grid shall be adjusted against the energy consumed in the monthly bill of service connection(s) in a sequence indicated in the priority list provided by the consumer. The sequence of priority for adjustment shall be deemed to begin with the service connection where the Renewable Energy System is located. Where during any billing period the export of units either in Non-ToD Tariff or ToD Tariff exceeds the import of units by the electricity service connection(s), such surplus units injected by the consumer shall be carried forward to the next billing period as energy credits and shown as energy exported by the consumer for adjustment against the energy consumed in subsequent billing periods within the settlement period in the sequence indicated in the priority list.

- 6.6. For the purpose of carry forward of surplus or set off of energy credits, the energy units shall be moderated as per the relevant rebate/surcharge percentage of ToD tariff applicable for the relevant year. Any surplus generation over consumption in any time block in a billing cycle shall be accounted as if the surplus generation/ Energy Credits occurred during the off-peak time block for ToD consumers and normal time block for non-ToD consumers.
- 6.7. At the end of each settlement period, any electricity credits which remain unadjusted, such excess electricity shall be accounted for and paid by the Distribution licensee to the consumer at ____ (e.g. APPC) of the applicable year and shall be reset to zero at the beginning of each settlement period.

7. Inspection:

DISCOM Officials reserve the right to inspect the Rooftop Power Plant routinely at any time during the term of the Agreement. As part of the inspection, DISCOM officials must ensure that the following aspects are checked:

- 7.1. All protective equipment of the SPV systems is functioning as per specifications.
- 7.2. The SPV system including panels, inverters, etc. continue to meet the requirements of Indian & IEC standards post installation till completion of connection agreement

8. Commissioning and Joint Commissioning Report (JCR)

- 8.1. After successful inspection & meter testing (if meter is purchased by consumer), **DISCOM** shall install and seal the bi-directional and unidirectional energy meter(s) within **__days** (as per state regulations) of the submission of Work Completion Report (WCR) and plant shall be treated as commissioned for net-metering commercial operations from the date of installation of meter(s).
- 8.2. A Joint Commissioning Report (JCR) shall be signed by consumer, plant supplier/EPC contractor/empanelled vendor & **DISCOM** officer. The signing authority of **DISCOM** to sign the JCR shall be same as that for Inspection. It is preferred to sign JCR on the same date as of installation of meter(s).

___End___

Chapter 2: Model documents for VNM

1. Annexure - A: Application form for VNM
2. Annexure - B: Model agreement for VNM arrangement
 - 2.1. Under CAPEX Mode
 - 2.2. Under RESCO Mode
3. Annexure – C: Consumers' Agreement for VNM

Application form for VNM

To,

The Chief Engineer (RE/Metering/ Distribution)
XXXXX

Subject: Application form for Virtual Net Metering Mechanism

We intend to connect Solar Power Plant System, in compliance of SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and any further amendments, under:

- i. CAPEX Mode or ii. RESCO mode (Pls tick one)

1.	Name of Registered Consumer (Lead)	
2.	Address of Registered Consumer	
3.	Consumer No.	
4.	Email id of lead consumer (In Capital Letters)	
5.	Telephone no. of Consumer	Mobile No. WhatsApp No.
6.	For CAPEX: Name, Mobile No and email id of Installer (in Capital Letters)	
7.	For RESCO: Name, address, email id, contact number of the RESCO	
8.	Category (Please mention)	Domestic, Industrial, Commercial, Government Building, etc.
9.	Supply Voltage Level (Please mention)	230 V, 415V, 11 kV and above
10.	Aggregate sanctioned load, i.e. sum of sanctioned loads of the participating consumers as per Latest Electricity Bill (kW).	
11.	Type of Renewable Energy System Proposed (Solar, Wind, etc)	

12.	Capacity of Renewable Energy System Proposed to be connected (kW)	
13	Supply Voltage of Renewable Energy System Proposed to be connected (Please tick)	230 V (1-Phase): 415 V (3-Phase): 11 kV & above (3-Phase):
14	Location of Proposed Renewable Energy System	
15	Location Address of Renewable System	
16	Latitude (N) of Site	
17	Longitude (E) of site	
18	Area (sq-mtr)	

2. We hereby request you to provide grid connectivity to the Solar system installed or planning to be installed under VNM arrangement. Details supported by necessary evidence are furnished hereunder.

3. We declare that the information submitted for Virtual Net metering are checked and verified to best of my/ our knowledge and belief.

Enclosure: Necessary documents for Applicability as Per Annexure-A.1

Place:

Date:

Signature of Participating Consumers with stamp (If any)

S.No.	Consumer No	Sharing Ratio %	Address of each consumer in the list	ID Details of Eligible Consumers	Signature of Consumer
1					
2					
3					
4					
5					

Note: The List of consumers are indicative, with possibility to extend upto the requirement of the project.

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Application Form Number:	
Date of application:	

Annexure-A.1: Necessary documents for applicability (required to be submitted with the application form).

S.No.	Required Documents	Attached (Yes / No)
1.	Agreement for VNM arrangement	
2.	Consumers' agreement for VNM	
3.	Self – attested Copy of ID Proofs (PAN / EPIC / Aadhar Card etc.,) of consumers	
4.	Proof of ownership of the site where Renewable Energy System is to be installed/already installed.	
5.	Self – attested Copy of ID Proofs (PAN / EPIC / Aadhar Card etc.,) of : i. EPC Contractor (for CAPEX mode) and ii. RESCO (for RESCO mode)	

Model agreement for VNM arrangement

I. CAPEX Mode: Model agreement between participating Consumers and the DISCOM:

(On **Rs.100/-** non judicial stamp paper, duly attested by Notary)

Virtual Net Metering Model Connection Agreement for Renewable Energy

This Agreement is made and entered into at *<Insert the name of City and State>* on date *<Insert the Date of Agreement Signing>* between

1. The registered consumers whose name and_Consumer numbers are provided in the below list (“**List of Consumers**”) as first party (hereinafter called as “**Eligible Consumers**”

And

2. Distribution Licensee of the *<Insert the name of the State>* (i.e. *<Insert the Name of DISCOM>*), having its’ registered office at *<Insert the address of State Utility>* (hereinafter called “**DISCOM**”) as second party to this Agreement.

List of Consumers: The list of consumers is given below.

S.No.	Consumer No	Name of Consumer	Sharing Ratio %	Address of each consumer in the list	ID Details of Eligible Consumers
1					
2					
3					
4					

5					
---	--	--	--	--	--

Note: The List of consumers are indicative, with possibility to extend upto the requirement of the project.

It is hereby agreed between the parties as follows:

1. Eligibility:

- 1.1 The Eligible Consumers do hereby confirm that they are aware, in advance, of the standards and conditions the Photovoltaic System must meet for being integrated into the grid/distribution system.
- 1.2 The Eligible Consumers agree that connection of the Photovoltaic System to DISCOM's distribution system shall be bound by requirements of the state Distribution Code and/or DISCOM's conditions of service and **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and their amendments**. The grid shall continue to perform with specified reliability, security, and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.
- 1.3 The Eligible Consumers, understanding the benefits of Virtual Net-metering scheme, have agreed and jointly requested with **<Insert the name of State Utility>** (DISCOM) to install solar meter at the premises situated at **<Insert the complete Address>** wherein the Photovoltaic System has already been installed by the Eligible Consumers, and the Eligible Consumers have agreed for their respective share of benefits of solar units generation in their respective electricity bills, the details of which have also been specified in this Agreement.

2. Technical and Interconnection Requirements

- 2.1. The Eligible Consumers agree that they have installed/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 agree for the DISCOM to have access to and operation of this device, if required, for repair and maintenance of the distribution system.
- 2.2. The Eligible Consumers agree that in case of a power outage on DISCOM's system, the Photovoltaic System will shut down, unless special transfer and isolating capabilities have been installed on photovoltaic system.
- 2.3. Technical specification of net meter and renewable energy meter should be in compliance with the DISCOM.
- 2.4. All the equipment connected to distribution system must be complaint with relevant International (IEEE/IEC) or Indian Standards (BIS) and installations of electrical equipment must comply with Indian Electricity Rules, 1956 and Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and their amendments.

- 2.5. The Eligible Consumers agree that DISCOM will specify the interface/inter-connection point and metering point.
- 2.6. The Eligible Consumers agree to adhere to power quality measures as per International or Indian Standards and/or other such measures provided by Commission/DISCOM.
- 2.7. The Eligible Consumers agree to furnish all the data such as voltage, frequency, and breaker, isolator position in his system, as and when required by the DISCOM. The Eligible Consumers shall also provide facilities for online transfer of the real time operational data.
- 2.8. The Eligible Consumers shall obtain requisite approvals, in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 for commissioning of the Renewable Energy System, and furnish copies of approvals to the Distribution Licensee.
- 2.9. The Eligible Consumers do hereby agree that DISCOM may keep the entire information regarding application and registration of the Renewable Energy System on its website or web portal for transparency and convenience.

3. Safety:

- 3.1 Eligible Consumers shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010.
- 3.2 The Eligible Consumers agree that the design, installation, maintenance, and operation of the Photovoltaic System shall be performed in a manner conducive to the safety of the Photovoltaic System as well as the DISCOM's distribution system.
- 3.3 Due to DISCOM's obligation to maintain a safe and reliable distribution system, the Eligible Consumers agree that if it is determined by DISCOM that Eligible Consumer's Photovoltaic System either causes damage to and/or produces adverse effects affecting other distribution systems' consumers or DISCOM's assets, the Eligible Consumers will have to disconnect photovoltaic system immediately from the distribution system upon direction from the DISCOM and correct the problem at its own expense prior to reconnection.
- 3.4 The Eligible Consumers agree that any change/alteration/modification/addition of new capacity in the Photovoltaic System post Net metering shall be carried out only after securing prior permission from DISCOM, which shall be issued post receipt of necessary Test certificate(s) and other documents as notified by DISCOM time to time.

4. Clearances and Approvals:

The Eligible Consumers agree to attain 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 DISCOM shall have access to metering equipment and disconnecting means of Photovoltaic System, both automatic and manual, at all times.
- 5.2 In emergency or outage situation, where there is no access to any disconnecting means, both automatic and manual, such as a switch or breaker, DISCOM may disconnect service to the premise and in such scenario, the eligible consumer shall not have any right to object or to claim any sum from DISCOM citing such immediate disconnection.

6. Liabilities:

- 6.1 Eligible Consumers and DISCOM 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 DISCOM's distribution system.
- 6.2 DISCOM and Eligible Consumers 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.

7. Commercial and Settlement:

All the commercial settlement under this agreement shall follow the **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year>** and subsequent amendments.

8. Conditions for System Connectivity

The parties shall abide by the Central Electricity Regulatory Commission Regulations in respect of procedure of grant of connectivity. The consumer shall submit the following documents to grant the connectivity:

- Synchronization Circuit Details
- Safety Report
- Protection Circuit Details
- Test Certificates of System
- Schematic diagram of Renewable Energy system

9. Connection Costs:

- 9.1. The Eligible Consumers shall bear all costs related to setting up of the Photovoltaic System including metering and interconnection costs as per estimate by DISCOM. The Eligible Consumers agree to pay the actual cost of modifications and upgrades to the distribution facilities required to connect the Photovoltaic System in case it is required.
- 9.2. Cost for interconnection equipment including the isolators, meters etc. are also to be borne by the Eligible consumers.

10. Termination:

- 10.1 The term of this Agreement shall be the life of a typical solar photovoltaic power plant, which is 25 years or till the validity of license with DISCOM, whichever is earlier, unless this Agreement is otherwise terminated as per the provisions of this clause.
- 10.2 The Eligible Consumer/s (Jointly) or DISCOM can terminate this Agreement at any time by providing 90 days prior notice to the other party to the agreement. Whereas it is clarified that in case of termination notice to be issued by DISCOM, the same shall be issued to Lead Consumer, appointed by eligible consumers.
- 10.3 The Eligible Consumers agree that upon termination of this Agreement, they must disconnect the photovoltaic system from DISCOM's distribution system in a timely manner and upto DISCOM's satisfaction.

11. Change of Sharing Ratios:

- 11.1 The Eligible Consumers shall have the right to change the Sharing Ratio provided in the List of Consumers once every financial year by sending notice in at least __ months in advance to the DISCOM and submitting a revised List of Consumers.
- 11.2 The Eligible Consumers shall submit a Virtual Net Metering application form as applicable at the time of such proposed change in the Sharing Ratio and amendment of the List of Consumers.
- 11.3 Eligible Consumers hereby irrevocably give the right to Lead Consumer to apply on their behalf for such change of Sharing Ratio and, if applicable, introduction of a new Eligible Consumer to this Agreement and submission of the List of Consumers. Lead Consumer may sign on behalf of all eligible consumers any and all documents required by DISCOM in this regard.
- 11.4 That the consumers, for setting up/installation of solar photovoltaic power plant and during the tenure of the installation of the same, shall be liable to take all permissions/permits/approvals as required under the provisions of relevant laws.
- 11.5 That upon setting up and during the period of installation of solar photovoltaic power plant, the consumers shall jointly and severally keep DISCOM /its employees/directors/officers/associates indemnified from all cost consequences, liabilities, penalties, claim of damages/compensation etc. from any person/agency/land owning agency/court or any other judicial-quasi-judicial authority citing the establishment and/or operation & maintenance of solar photovoltaic power plant.

12. Lead Consumer:

That at the time of execution of this agreement, the eligible consumers shall appoint/nominate one of the eligible consumers as lead consumer. That for all communications issued by DISCOM, DISCOM shall be free to communicate with lead consumer and not to every consumer. It shall be the responsibility of the

lead consumer to communicate with the other eligible consumers and the service of communication by DISCOM to lead consumer shall be termed as service to all eligible consumers in all respect.

13. Governing Law and Jurisdiction:

This agreement shall be governed by the **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and subsequent amendments** and any other order/directions related to establishment/maintaining/functioning of solar photovoltaic power plant. Further in case of any change in the above laws, the eligible consumers shall be liable to comply with the same.

In the witness, where of Mr./Ms.and Mr./Ms.....for and on behalf of the Eligible Consumers and Mr./Msfor and on behalf of DISCOM agree to this agreement.

Date:

Place:

List of Consumers:

S. No.	Name of Consumer	Signature of Consumer
1		
2		
3		

Note: The List of consumers are indicative, with possibility to extend upto the requirement of the project

Name and signature of witness

Name and Signature of Lead Consumer

Name and Signature of DISCOM Nodal Officer (Along with Stamp)

II. RESCO Mode: Model Tripartite Agreement among Participating Consumers, DISCOM and RESCO:

(On **Rs.100/-** non judicial stamp paper, duly attested by Notary)

Virtual Net Metering Model Connection Agreement for Renewable Energy

This Agreement is made and entered into at **<Insert the name of City and State>** on date **<Insert the Date of Agreement Signing>**

among

1. M/S _____, a Sole-Proprietorship / Partnership Firm / Company Incorporated under Companies Act. ,having its registered office at _____ and represented through _____ Sole-Proprietor / Partner / Manager / Director / Authorised Signatory, hereinafter referred to as the “Solar Power Generator” (SPG)/Renewable Energy Service Company (RESCO), which expression shall wherever the context so permits, mean and includes the successors in interest, executors, administrators and assigns as party of the first part.

AND

2. Distribution Licensee of the **<Insert the name of the State>** (i.e. **<Insert the Name of DISCOM>**), having its’ registered office at **<Insert the address of State Utility>** (hereinafter called “**DISCOM**”) as second party to this Agreement.

AND

3. The registered consumers whose name and_Consumer numbers are provided in the below list(“List of Consumers”) as third party (hereinafter called as “Eligible Consumers”

All the above, Power Generator, the Distribution Licensee, and the Consumer shall be collectively referred to as “the Parties”.

List of Consumers: The list of consumers is given below.

S.No.	Consumer No	Name of Consumer	Sharing Ratio %	Address of each consumer in the list	ID Details of Eligible Consumers
1					

2					
3					
4					
5					

Note: The List of consumers are indicative, with possibility to extend upto the requirement of the project.

It is hereby agreed between the parties as follows

1. Definitions:

- 1.1. "Act" means the Electricity Act, 2003 (36 of 2003) and subsequent amendments thereof.
- 1.2. "Applicable Rules and Regulations" shall have the same meaning as defined in Article 2 of this document.
- 1.4. "Authority" shall mean the Central Electricity Authority as referred to in sub-section (1) of Section 70 of the Act.
- 1.5. "Billing cycle" shall mean the period for which regular electricity bills as specified by the Commission, are prepared for different categories of consumers by the Distribution Licensee.
- 1.6. "Commissioning Date" shall mean the date on which the Grid Connected Rooftop Solar Power Plant is synchronised and starts injecting the Solar Power to the Grid.
- 1.7. "Commission" shall mean the **** Electricity Regulatory Commission for the State/UT of ** referred to in sub- Section (1) of section 82 of the Act and constituted under the Act.

2. Applicable Rules and Regulations

This agreement is subject to the following rules and regulations, hereinafter collectively referred to as the "Applicable Rules and Regulations" and includes any amendments thereof:

- 2.1. *** Electricity Regulatory Commission for the State/UT of ** (Solar PV Grid Interactive System based on Net Metering) Regulations, ***.
- 2.2. Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 and amendment thereof;
- 2.3. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and amendment thereof;
- 2.4. Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010 and amendment thereof;
- 2.5. Power Quality & Protection and Controls shall conform to the standards specified in the CEA (Technical Standards for connectivity to the grid) Regulations, 2007 and CEA (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013, applicable to the distribution system as amended from time to time.
- 2.6. Indian Electricity Rules, 1956.
- 2.7. Any other provision that becomes applicable at the time of signing of the PPA as per the Regulation and amendments henceforth.

All other words and expressions used in this agreement, if not specifically defined herein above, but defined in the Act, shall have the same meaning as assigned to them in the Act. The other words and expressions used herein but not specifically defined in this agreement, regulations or the Act but defined under any other law passed by the Parliament applicable to the electricity industry in the State or Union Territory shall have the same meaning assigned to them in such law.

3. Eligibility:

- 1.4. The RESCO and Eligible Consumers do hereby confirm that they are aware, in advance, of the standards and conditions the Photovoltaic System must meet for being integrated into the grid/distribution system.
- 1.5. The RESCO and Eligible Consumers agree that connection of the Photovoltaic System to DISCOM's distribution system shall be bound by requirements of the state Distribution Code and/or DISCOM's conditions of service and **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and their amendments**. The grid shall continue to perform with specified reliability, security, and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.
- 1.6. The RESCO and Eligible Consumers, understanding the benefits of Virtual Net-metering scheme, have agreed and jointly requested with **<Insert the name of State Utility>** (DISCOM) to install solar meter at the site situated at **<Insert the complete Address>** wherein the Photovoltaic System has already been installed, and the Eligible Consumers have agreed for their respective share of benefits of solar units generation in their respective electricity bills, the details of which have also been specified in this Agreement.

2. Technical and Interconnection Requirements

- 2.1. The RESCO and Eligible Consumers agree that they have installed/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 agree for the DISCOM to have access to and operation of this device, if required, for repair and maintenance of the distribution system.
- 2.2. The RESCO and Eligible Consumers agree that in case of a power outage on DISCOM's system, the Photovoltaic System will shut down, unless special transfer and isolating capabilities have been installed on photovoltaic system.
- 2.3. Technical specification of net meter and renewable energy meter should be in compliance with the DISCOM.
- 2.4. All the equipment connected to distribution system must be complaint with relevant International (IEEE/IEC) or Indian Standards (BIS) and installations of electrical equipment must comply with Indian Electricity Rules, 1956 and Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and their amendments.
- 2.5. The RESCO and Eligible Consumers agree that DISCOM will specify the interface/inter-connection point and metering point.
- 2.6. The RESCO and Eligible Consumers agree to adhere to power quality measures as per International or Indian Standards and/or other such measures provided by Commission/DISCOM.
- 2.7. The RESCO and Eligible Consumers agree to furnish all the data such as voltage, frequency, and breaker, isolator position in his system, as and when required by the DISCOM. The Eligible Consumers shall also provide facilities for online transfer of the real time operational data.
- 2.8. The RESCO and Eligible Consumers shall obtain requisite approvals, in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 for commissioning of the Renewable Energy System, and furnish copies of approvals to the Distribution Licensee.
- 2.9. The RESCO and Eligible Consumers do hereby agree that DISCOM may keep the entire information regarding application and registration of the Renewable Energy System on its website or web portal for transparency and convenience.

3. Safety:

- 3.1. The RESCO and Eligible Consumers shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010.
- 3.2. The RESCO and Eligible Consumers agree that the design, installation, maintenance, and operation of the Photovoltaic System shall be performed in a manner conducive to the safety of the Photovoltaic System as well as the DISCOM's distribution system.
- 3.3. Due to DISCOM's obligation to maintain a safe and reliable distribution system, the RESCO and Eligible Consumers agree that if it is determined by DISCOM that Eligible Consumer's Photovoltaic System either causes damage to and/or

produces adverse effects affecting other distribution systems' consumers or DISCOM's assets, the RESCO and Eligible Consumers will have to disconnect photovoltaic system immediately from the distribution system upon direction from the DISCOM and correct the problem at its own expense prior to reconnection.

- 3.4. The RESCO and Eligible Consumers agree that any change/alteration/modification/addition of new capacity in the Photovoltaic System post Net metering shall be carried out only after securing prior permission from DISCOM, which shall be issued post receipt of necessary Test certificate(s) and other documents as notified by DISCOM time to time.

4. Clearances and Approvals:

The RESCO and Eligible Consumers agree 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:

- 1.1. DISCOM shall have access to metering equipment and disconnecting means of Photovoltaic System, both automatic and manual, at all times.
- 1.2. In emergency or outage situation, where there is no access to any disconnecting means, both automatic and manual, such as a switch or breaker, DISCOM may disconnect service to the premise and in such scenario, the RESCO and eligible consumer shall not have any right to object or to claim any sum from DISCOM citing such immediate disconnection.

6. Liabilities:

- 6.1. RESCO, Eligible Consumers and DISCOM 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 DISCOM's distribution system.
- 6.2. RESCO, DISCOM and Eligible Consumers 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.

7. Energy Metering accounting and settlement:

- 7.1. All the energy generated from the solar plant will be purchased by the eligible consumers in a ratio mutually agreed upon themselves @....Rs/unit from the RESCO. The billing cycle between the RESCO and the eligible consumers will be.....
- 7.2. The units generated from the solar plant would be adjusted by the DISCOM in the monthly bill of the eligible consumers in a ratio mutually agreed upon

themselves as per the Electricity Regulatory Commission Regulations (.....) , Clause

8. Conditions for System Connectivity

The parties shall abide by the Central Electricity Regulatory Commission Regulations in respect of procedure of grant of connectivity. The consumer shall submit the following documents to grant the connectivity:

- Synchronization Circuit Details
- Safety Report
- Protection Circuit Details
- Test Certificates of System
- Schematic diagram of Renewable Energy system

9. Connection Costs:

- 9.1. The RESCO shall bear all costs related to setting up of the Photovoltaic System including metering and interconnection costs as per estimate by DISCOM. The RESCO agrees to pay the actual cost of modifications and upgrades to the distribution facilities required to connect the Photovoltaic System in case it is required.
- 9.2. Cost for interconnection equipment including the isolators, meters etc. are also to be borne by the Eligible consumers.

10. Termination:

- 10.1. The term of this Agreement shall be the life of a typical solar photovoltaic power plant, which is 25 years or till the validity of license with DISCOM, whichever is earlier, unless this Agreement is otherwise terminated as per the provisions of this clause.
- 10.2. The RESCO, Eligible Consumer/s (Jointly) or DISCOM can terminate this Agreement at any time by providing 90 days prior notice to all the other party to the agreement. Whereas it is clarified that in case of termination notice to be issued by DISCOM, the same shall be issued to the RESCO and Lead Consumer, appointed by eligible consumers.
- 10.3. The RESCO and Eligible Consumers agree that upon termination of this Agreement, they must disconnect the photovoltaic system from DISCOM's distribution system in a timely manner and upto DISCOM's satisfaction.

11. Change of Sharing Ratios:

- 11.1 The Eligible Consumers shall have the right to change the Sharing Ratio provided in the List of Consumers once every financial year by sending notice in at least __ months in advance to the RESCO and DISCOM and submitting a revised List of Consumers.
- 11.2 The Eligible Consumers shall submit a Virtual Net Metering application form as applicable at the time of such proposed change in the Sharing Ratio and amendment of the List of Consumers.

- 11.3 Eligible Consumers hereby irrevocably give the right to Lead Consumer to apply on their behalf for such change of Sharing Ratio and, if applicable, introduction of a new Eligible Consumer to this Agreement and submission of the List of Consumers. Lead Consumer may sign on behalf of all eligible consumers any and all documents required by DISCOM in this regard.
- 11.4 That the RESCO and eligible consumers, for setting up/installation of solar photovoltaic power plant and during the tenure of the installation of the same, shall be liable to take all permissions/permits/approvals as required under the provisions of relevant laws.
- 11.5 That upon setting up and during the period of installation of solar photovoltaic power plant, the RESCO and eligible consumers shall jointly and severally keep DISCOM /its employees/directors/officers/associates indemnified from all cost consequences, liabilities, penalties, claim of damages/compensation etc. from any person/agency/land owning agency/court or any other judicial-quasi-judicial authority citing the establishment and/or operation & maintenance of solar photovoltaic power plant.

12. Lead Consumer:

That at the time of execution of this agreement, the eligible consumers shall appoint/nominate one of the eligible consumers as lead consumer. That for all communications issued by DISCOM and RESCO, RESCO and DISCOM shall be free to communicate with lead consumer and not to every consumer. It shall be the responsibility of the lead consumer to communicate with the other eligible consumers and the service of communication by RESCO and DISCOM to lead consumer shall be termed as service to all eligible consumers in all respect.

13. Governing Law and Jurisdiction:

This agreement shall be governed by the SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and subsequent amendments and any other order/directions related to establishment/maintaining/functioning of solar photovoltaic power plant. Further in case of any change in the above laws, the eligible consumers shall be liable to comply with the same.

In the witness, where of Mr./Ms.and Mr./Ms.....for and on behalf of the Eligible Consumers, Mr./Msfor and on behalf of RESCO and Mr./Msfor and on behalf of DISCOM agree to this agreement.

Date:

Place:

List of Consumers:

S. No.	Name of Consumer	Signature of Consumer
1		
2		
3		

Note: The List of consumers are indicative, with possibility to extend upto the requirement of the project

Name and signature of witnesses

Name and Signature of Lead Consumer

Name and Signature of RESCO

Name and Signature of DISCOM Nodal Officer (Along with Stamp)

Consumers' Agreement for VNM

(On Rs. 100/- non judicial stamp paper, duly attested by Notary)

Virtual Net Metering Model Consumers' Agreement for Implementing Rooftop Solar Projects

This Agreement is made and entered into at <Insert the name of City and State> on date <Insert the Date of Agreement Signing> amongst the signatories whose name and their corresponding Consumer numbers are provided in the below list

(“List of Consumers”).

S.No.	Consumer No	Name of Signatory	Sharing Ratio %	Address of each consumer in the list	ID Details of Signatories
1					
2					
3					
4					
5					

The consumers included in the above list hereby agree to the following clauses:

- invest, procure, install, commission, operate and maintain a solar photovoltaic plant of <Insert the capacity of SPV Power Plant in kWp> (“Photovoltaic System”) located at the site <insert location > of the consumer based on Renewable Energy

- Service Company (RESCO) or CAPEX Model
2. apply with <Name of the DISCOM> for Virtual Net Metering Connection (hereinafter called "VNM")
 3. comply with all the requirements for securing VNM connection from <Name of the DISCOM> as per the <Insert name of the State> Regulations for Grid Connected Rooftop Solar / Renewable Energy
 4. execute the net metering interconnection agreement with <Name of the DISCOM>
 5. execute the agreement with <Name of the Renewable Energy Service Company> (if RESCO Model) OR <Name of the Vendor> (if CAPEX Model)
 6. secure all the necessary approvals and clearances (environmental and grid connected related and others as applicable) before connecting the Solar Photovoltaic System to the distribution system
 7. accept all the risks associated with this Virtual Net Metering scheme and the selected business model
 8. that financial risk is limited to the individual financial contribution made towards the capital cost, in case of CAPEX model
 9. the signatories in this agreement will not claim compensation related to financial or other damages from other signatories
 10. all the signatories are equally responsible for seeking, receiving, and sharing all the communication received related to the implementation of this rooftop solar project under the Virtual Net Metering scheme
 11. elect Mr XXXXXXX as the Lead Consumer for a duration of XX years as required by the <Name of the DISCOM> and for executing agreement with the RESCO or CAPEX vendor and for signing any other declaration or documents related to implementation of this rooftop solar project under the Virtual Net Metering scheme.
 12. implement a process of election of the Lead Consumer if required and agree to the terms of engagement of the Lead Consumers including the tenure and other responsibilities
 13. if any signatory breaches any clause in this agreement and agreements / documentation signed by the Lead Consumer, the concerned person is liable for the corresponding liability and outcomes of any nature thereof
 14. signatories shall bear all costs related to setting up of the Rooftop Solar Photovoltaic System including metering and interconnection costs as per estimate provided by <Name of the DISCOM>
 15. pay the actual cost of modifications and upgrades to the distribution facilities required to connect the Solar Photovoltaic System in case it is required by <Name of the DISCOM>
 16. pay the cost for interconnection equipment including the isolators, meters etc. in case it is required / asked for by <Name of the DISCOM>.
 17. pool the money for sharing of expenses towards overall implementation of the

- rooftop solar project including monitoring the progress of the rooftop solar project during its lifetime / life cycle of 25 years
18. open a Bank Account in the name of the Lead Consumer for handling the expenses mentioned in Clause 17 above
 19. engage an auditor and prepare and finalize expenses statement on an annual basis with 31st March as the end of financial year
 20. share the bank account with <Name of the DISCOM> for receiving amounts related to sale of surplus power from rooftops solar project, if any at the end of the financial year, if permissible in the regulations of <Name of the State>
 21. if signatories are not able to take decision(s) on any key topic(s) related to the implementation of this agreement and the Rooftop Solar Project during the period of 25 years, unanimously, then such decision(s) shall be taken through voting by the signatories to this agreement and such decision(s) shall be taken based on majority basis
 22. maintain written records of all decisions related to implementation of this agreement and the rooftop solar project signed by the Lead Consumer
 23. authorize the Lead Consumer to convene "All Consumers Meeting (ACM)" every six months (or earlier as required) for Lead Consumer to present overall progress, interaction with CAPEX vendor / RESCO / Financial statements etc., and report and discuss on other relevant activities
 24. signatories indemnify each other for damages or adverse effects from negligence in the operation of Solar Photovoltaic System and in the evacuation, distribution of power and adjustments and settlement made by <Name of the DISCOM> under the Virtual Net Metering Scheme
 25. upon setting up and during the period of installation of solar photovoltaic power plant, the consumer/s shall jointly and severally, keep DISCOM/its employees/directors/officers/associates indemnified from all cost consequences, liabilities, penalties, claim of damages/compensation etc., from any person/agency/land owning agency/court or any other judicial-quasi-judicial authority citing the establishment and/or operation & maintenance of rooftop solar photovoltaic power plant
 26. the term of this Agreement shall be the life of a typical solar photovoltaic power plant, which is 25 years or till the validity of license with DISCOM, whichever is earlier, unless this Agreement is otherwise terminated as per the provisions of such clause
 27. in the event of termination of the agreement caused by the terms and conditions of <Name of the DISCOM> in the interconnection agreement, all the signatories shall comply with the modalities and implement all the activities in unison
 28. in the event of a termination of this agreement earlier than the period mentioned in Clause 26 above, all the signatories shall comply with the modalities and

- implement all the activities in unison
29. in the event of termination of this agreement caused by any reason(s) other than mentioned in Clause 26, 27 and 28, all the signatories shall comply with the modalities and implement all the activities in unison
 30. signatories shall have the right to change the Sharing Ratio provided in the List of Consumers once every financial year by sending notice of at least 2 months to the <Name of the DISCOM> and by submitting a revised List of Consumers.
 31. signatories shall submit a duly filled in Virtual Net Metering application form as applicable at the time of such proposed change in the Sharing Ratio and amendment of the List of Consumers.
 32. signatories hereby irrevocably give the right to Lead Consumer to apply on their behalf for such change of Sharing Ratio and, if applicable, introduction of a new Eligible Consumer or omission of existing eligible consumer from/to this Agreement and submission of the List of Consumers. Lead Consumer may sign on behalf of all eligible consumers any and all documents required by DISCOM in this regard.
 33. the signatory or signatories who are (i) changing the power sharing ratio or (ii) exiting the Virtual Net Metering scheme and this agreement shall agree and abide to the decision(s) taken by the Lead Consumer and all the signatories including decisions taken as per Clause 21 as regards the (a) revised sharing ratio (b) replacement signatory/signatories (c) financial compensation for the investment made (for CAPEX model) (d) settlement of outstanding amounts if any (e) liabilities towards debt or other expenses if any and (f) other decisions related to ensuring the completion of the applicable formalities towards the exit of the signatory / signatories
 34. upon termination of this Agreement, signatories must disconnect the rooftop solar photovoltaic system from <Name of the DISCOM>'s distribution system in a timely manner and to the satisfaction of <Name of the DISCOM>
 35. the Roles and Responsibilities of the Lead Consumer appointed by all signatories shall be as follows:
 - a. to share all communications issued by <Name of the DISCOM> (as <Name of the DISCOM> shall be free to communicate with lead consumer and not to every signatory.)
 - b. communicate with other signatories as the service of communication by DISCOM to lead consumer shall be termed as service to all eligible consumers in all respect
 - c. communicate with other signatories on a regular basis by making best efforts to communicate within 48 hours of receiving or coming aware of any such communication on all aspects related to the implementation of the rooftop solar project and the Virtual net Metering Scheme from

DISCOM, RESCO OR CAPEX Vendor and other stakeholders

- d. engage with the auditor for preparation and upkeep of expenses including half yearly and annual financial statements
- e. open a bank account to keep track of the expenses as mentioned in Clause 17 and 18
- f. comply with the formalities as applicable with DISCOM during the period of the interconnection agreement
- g. on behalf of all signatories, comply with the formalities as applicable with RESCO or CAPEX Vendor and other stakeholders during the period of the interconnection agreement
- h. maintain documentary records for all decisions, actions, expenses etc., made on this rooftop solar project under the Virtual Net Metering Scheme
- i. transfer all documentation, progress reports and responsibilities to the incoming Lead Consumer in the event of change of Lead Consumer by the signatories
- j. coordinate with State and Central Government Departments / Agencies for securing the eligible financial assistance / subsidy for implementing this rooftop solar project under the Virtual Net Metering Scheme
- k. comply with all the formalities, protocols, terms and conditions related to this rooftop solar project under the Virtual Net Metering Scheme for a smooth and successful conduct of all the associated activities

36. Dispute Resolution:

- I. This agreement has been entered in to at _____. Hence, any dispute or disagreement arising out of this Agreement, or its interpretation thereof shall be first resolved amicably among the signatories within 30 (Thirty) days of Notice regarding such dispute or disagreement. However, if such a dispute of difference cannot be resolved amicably between the signatories, the same shall be referred to Arbitration Proceedings and governed by the provisions of the Arbitration and Conciliation Act, 1996 including all amendments in it from time to time (hereinafter called the Act).
 - II. The signatories herein consent to be governed by the domestic Arbitration rules as per the Act including the pre-emptive appointment of a Sole Arbitrator. The seat of arbitration is agreed to be the office of the Sole Arbitrator or any other place as per the discretion of the said Sole Arbitrator.
 - III. The subject matter of dispute, if any, arising from this Agreement shall be solely decided by Arbitration alone without invoking jurisdiction of Court
37. this Agreement shall be governed by the laws of India, and courts in the State of *<Insert the name of the State>*, shall have exclusive jurisdiction to rule on any matters or disputes arising from or relating to anything contained within this

Agreement.

In the witness, where all signatories below agree to this agreement.

Date:

Place:

List of Signatories:

S. No.	Name of Signatories	Signatures
1		
2		
3		
4		
5		

End

Chapter 3: Model documents for GNM

1. Annexure - D: Application form for GNM
2. Annexure - E: Model agreement for GNM arrangement
 - 2.1. Under CAPEX Mode
 - 2.2. Under RESCO Mode
3. Annexure – F: Undertaking for incorporating the CA nos. in the priority list of settlement under Group Net-metering

Application form for Group Net Metering

To,

The Chief Engineer (RE/Metering/ Distribution)
XXXXX

Subject: Application form for Group Net Metering Mechanism

I/We intend to connect Solar Power Plant System, in compliance of The SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and any further amendments.

1.	Name of Registered Consumer (Parent Connection where RE system is to be installed)	
2.	Address of Registered Consumer	
3.	Consumer No.	
4.	Email ID (In Capital Letters)	
5.	Telephone No. of Consumers	Mobile No. WhatsApp No.
6.	For CAPEX: Name, Mobile No and email id of Installer (in Capital Letters)	
7.	For RESCO: Name, address, email id, contact number of the RESCO	
8.	Category (Please tick)	Domestic, Industrial, Commercial, Government Building, etc
9	Supply Voltage Level (Please tick)	230 V, 415V, 11 kV and above
10	Sanctioned Load as per Latest Electricity Bill (kW)	
11.	Type of Renewable Energy System Proposed (Solar, Wind, etc)	
12.	Capacity of Renewable Energy System Proposed to be connected (kW)	
13	Supply Voltage of Renewable Energy System Proposed to be connected (Please tick)	230 V (1-Phase): 415 V (3-Phase): 11 kV & above (3-Phase):
14	Location of Proposed Renewable Energy System (Please tick)	Rooftop Solar System: Ground Mounted System:
15	Latitude (N) of Site	
16	Longitude (E) of site	
17	Area (sq-mtr)	

I hereby request you to provide grid connectivity to the Solar roof top PV system installed or planning to install at premises owned /occupied by me. Details supported by necessary evidence are furnished hereunder. I declare that the information submitted for Group Net metering are checked and verified to the best of my knowledge and belief.

Enclosure: Documents as per “Annexure D.1”

Place:

Date:

S.No.	Consumer No	Applicability Priority	Address of each service connection	ID Details of Parent Consumer	Signature of Consumer with stamp (if any)
1					
2					
3					
4					
5					

Note: The List of service connections are indicative, with possibility to extend upto the requirement of the project

FOR OFFICE USE ONLY

Application Form Number:	
Date of application:	

Annexure-D.1

S.No.	Required Documents	Attached (Yes / No)
1.	Agreement for GNM arrangement	
2.	Undertaking for incorporating the CA nos. in the priority list of settlement under Group Net-metering	
3.	Self – attested Copy of ID Proofs (PAN / EPIC / Aadhar Card etc.,) of consumers	
4.	Proof of ownership of the site where Renewable Energy System is to be installed/already installed.	
5.	Self – attested Copy of ID Proofs (PAN / EPIC / Aadhar Card etc.,) of : i. EPC Contractor (for CAPEX mode) and ii. RESCO (for RESCO mode)	

__END__

Model Agreement for GNM arrangement

I. CAPEX Mode: Model agreement between participating Consumers and the DISCOM:

(On **Rs.100/- non** judicial stamp paper, duly attested by Notary)

Group Net Metering Model Connection Agreement for Renewable Energy

This Agreement is made and entered into at <Insert the name of the City and State> on date _____

between

1. The registered consumer name _____ with Consumer Number _____ residing at _____ as first party (hereinafter called as “Eligible Consumers”

and

2. Distribution Licensee of the <Insert the name of State> (i.e. <Insert the name of DISCOM>), having its’ registered office at <Insert the complete Address> (hereinafter called “DISCOM”) as second party to this Agreement.

A solar photovoltaic plant of <Insert the capacity of the Power Plant in kWp> (“Photovoltaic System”) is installed at the premises of registered Consumer (here to call “Parent Consumer”) bearing address <Insert the complete Address>.

1. Eligibility:

1.1 The Eligible Consumer do hereby confirm that he/she is aware, in advance, of the standards and conditions the Photovoltaic System has to meet for being integrated into grid/distribution system.

1.2 The Eligible Consumer agree that connection of the Photovoltaic System to DISCOM's distribution system shall be bound by requirements of the state Distribution Code and/or DISCOM's conditions of service and **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert Year>** and their amendments. The grid shall continue to perform with specified reliability, security, and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.

1.3 The list of CA numbers eligible for GNM must be of same consumer i.e.

having same name and must be situated in DISCOM Licensee area for setting-off of the consumption in the billing under Group Net-metering along with the signed undertaking is also annexed at **Annexure – I** to this Agreement.

- 1.4 The Eligible Consumer do hereby confirm that it has applied connection under Group Net metering arrangement. The eligible consumer in furtherance of GNM arrangement has requested ____ (concerned department) to install net-meter equipment at his/her premises situated at _____ wherein the eligible consumer has already installed the requisite solar panels. That the consumer has also given the list of GNM service connection numbers along with their sequence for setting-off the solar generation units.

2. Technical and Interconnection Requirements

- 2.1 The Eligible Consumer agrees that he/she has installed/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 agree for the DISCOM to have access to and operation of this, if required, for repair and maintenance of the distribution system.
- 2.2 The Eligible Consumer agrees that in case of a power outage on DISCOM's system, the photovoltaic system will shut down, unless special transfer and isolating capabilities have been installed on the photovoltaic system.
- 2.3 Technical specification of net meter and renewable energy meter should be in compliance with the DISCOM.
- 2.4 All the equipment connected to distribution system must be complaint with relevant International (IEEE/IEC) or Indian Standards (BIS) and installations of electrical equipment must comply with Indian Electricity Rules, 1956 and Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and their amendments.
- 2.5 The Eligible Consumer agrees that DISCOM will specify the interface/inter-connection point and metering point.
- 2.6 The Eligible Consumer agrees to adhere to the power quality measures as per International or Indian Standards and/or other such measures provided by Commission/DISCOM.
- 2.7 The Eligible Consumer agrees to furnish all the data such as voltage, frequency, and breaker, isolator position in his/her system, as and when required by the DISCOM. The Eligible Consumer shall also provide facilities for online transfer of the real time operational data.
- 2.8 The Eligible Consumer shall obtain requisite approvals, in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 for commissioning of the Renewable Energy System, and furnish copies of

approvals to the Distribution Licensee.

- 2.9 The Eligible Consumer do hereby agrees that ____ (concerned department) may keep the entire information regarding application and registration of the Renewable Energy System on its website or web portal for transparency and convenience.

3. Safety:

- 3.1 Eligible Consumer shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010.
- 3.2 The Eligible Consumer agrees that the design, installation, maintenance, and operation of the photovoltaic system shall be performed in a manner conducive to the safety of the photovoltaic system as well as the DISCOM's distribution system.
- 3.3 Due to DISCOM's obligation to maintain a safe and reliable distribution system, the Eligible Consumer agrees that if it is determined by DISCOM that Eligible Consumer's photovoltaic system either causes damage to and/or produces adverse effects affecting other distribution systems' consumers or DISCOM's assets, the Eligible Consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the DISCOM and correct the problem at its own expense prior to reconnection.
- 3.4 The Eligible Consumer agrees that any change/alteration/modification/addition of new capacity in the photovoltaic system post Net metering shall be carried out only after securing prior permission from DISCOM, which shall be issued post receipt of necessary Test certificate(s) and other documents as notified by DISCOM time to time.

4. Clearances and Approvals:

The Eligible Consumer agrees to attain 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 DISCOM shall have access to metering equipment and disconnecting means of photovoltaic system, both automatic and manual, at all times.
- 5.2 In emergency or outage situation, where there is no access to any disconnecting means, both automatic and manual, such as a switch or breaker, DISCOM may disconnect service to the premise and in such scenario, the Eligible Consumer shall not have any right to object or to claim any sum from DISCOM citing such immediate disconnection.

6. Liabilities:

- 6.1 Eligible Consumer and DISCOM 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 DISCOM's distribution system.

- 6.2 DISCOM 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 DISCOM shall not be liable for delivery or realization by eligible consumer for any fiscal or other incentives provided by the central & state government.
- 6.4 DISCOM disclaim all warranty/guarantee/oral discussions as to the performance of system/results/outputs, benefits etc. and DISCOM shall not be responsible for any claim associated with/citing the installation/performance of the photovoltaic system.

7. Commercial and Settlement:

All the commercial settlement under this agreement shall follow the **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert Year> and subsequent amendments.**

8. Conditions for System Connectivity

The parties shall abide by the Central Electricity Regulatory Commission Regulations in respect of procedure of grant of connectivity. The consumer shall submit the following documents to grant the connectivity:

- Synchronization Circuit Details
- Safety Report
- Protection Circuit Details
- Test Certificates of System
- Schematic diagram of Renewable Energy system

9. Connection Costs:

- 9.1 The Eligible Consumer shall bear all costs related to setting up of the photovoltaic system including metering and interconnection costs as per estimate by DISCOM. The Eligible Consumer agrees to pay the actual cost of modifications and upgrades to the distribution facilities required to connect the photovoltaic system in case it is required.
- 9.2 Cost for interconnection equipment including the isolators, meters etc. are also to be borne by the Eligible consumer.

10. Termination:

- 10.1 The term of this Agreement shall be the life of a typical solar photovoltaic

power plant, which is 25 years or till the validity of license with DISCOM, whichever is earlier, unless this Agreement is otherwise terminated as per the provisions of this clause.

- 10.2 The Eligible Consumer or DISCOM can terminate this Agreement at any time by providing 90 days prior notice to the other party to the agreement. Whereas it is clarified that in case of termination notice to be issued by DISCOM, the same shall be issued to the Parent Consumer.
- 10.3 The Eligible Consumer agrees that upon termination of this Agreement, he/she must disconnect the photovoltaic system from DISCOM's distribution system in a timely manner and upto DISCOM's satisfaction.

11. Change of Sharing Ratios:

- 11.1 The Eligible Consumer shall have the right to change the Sharing Ratio provided in the List of Service connections once every financial year by sending notice of at least 2 months to the DISCOM and submitting a revised list of service connections.
- 11.2 The Eligible Consumer shall submit a Group Net Metering application form as applicable at the time of such proposed change in the Sharing Ratio and amendment of the List of service connections.
- 11.3 That the Eligible Consumer, for setting up/installation of solar photovoltaic power plant and during the tenure of the installation of the same, shall be liable to take all permissions/permits/approvals as required under the provisions of relevant laws.
- 11.4 That upon setting up and during the period of installation of solar photovoltaic power plant, the Eligible Consumer shall jointly and severally, keep DISCOM /its employees/directors/officers/associates indemnified from all cost consequences, liabilities, penalties, claim of damages/compensation etc. from any person/agency/land owning agency/court or any other judicial-quasi-judicial authority citing the establishment and/or operation & maintenance of solar photovoltaic power plant.

12. Parent and Child Consumer:

That at the time of execution of this agreement, the Eligible Consumer shall be termed as Parent consumer and others as Child consumers with respective Applicability Priority. That for all communications issued by DISCOM, DISCOM shall be free to communicate with Parent consumer and not to every consumer.

13. Governing Law and Jurisdiction:

This agreement shall be governed by the SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert the Year> and subsequent amendments and any other order/directions in related to

establishment/maintaining/functioning of solar photovoltaic power plant. Further in case of any changes in the above laws, the Eligible Consumer shall be liable to comply with the same.

In the witness, where of Mr./Ms.and Mr./Ms. for and on the behalf of the Eligible Consumer and Mr./Msfor and on behalf of DISCOM agree to this agreement.

Date:

Place:

Name & Signature of witness

Name & Signature of registered Consumer (GNM Applicant)

Name and Signature of Nodal Officer (Along with Stamp)

II. RESCO Mode: Model Tripartite Agreement among Participating Consumers, DISCOM and RESCO

(On **Rs.100/-** non judicial stamp paper, duly attested by Notary)

Virtual Net Metering Model Connection Agreement for Renewable Energy

This Agreement is made and entered into at *<Insert the name of City and State>* on date *<Insert the Date of Agreement Signing>*

among

1. **M/S** _____, a Sole-Proprietorship / Partnership Firm / Company Incorporated under Companies Act. ,having its registered office at _____ and represented through _____ Sole-Proprietor / Partner / Manager / Director / Authorised Signatory, hereinafter referred to as the “Solar Power Generator” (SPG)/Renewable Energy Service Company (RESCO), which expression shall wherever the context so permits, mean and includes the successors in interest, executors, administrators and assigns as party of the first part.

AND

2. Distribution Licensee of the *<Insert the name of the State>* (i.e. *<Insert the Name of DISCOM>*), having its’ registered office at *<Insert the address of State Utility>* (hereinafter called “**DISCOM**”) as second party to this Agreement.

AND

3. The registered consumer name _____with Consumer Number _____residing at _____as first party (hereinafter called as “Eligible Consumer”

All the above, Power Generator, the Distribution Licensee, and the Consumer shall be collectively referred to as “the Parties”.

It is hereby agreed between the parties as follows:

1. Definitions:

1.1. “Act” means the Electricity Act, 2003 (36 of 2003) and subsequent amendments thereof.

1.2. “Applicable Rules and Regulations” shall have the same meaning as defined in Article 2 of this document.

- 1.4. "Authority" shall mean the Central Electricity Authority as referred to in sub-section (1) of Section 70 of the Act.
- 1.5. "Billing cycle" shall mean the period for which regular electricity bills as specified by the Commission, are prepared for different categories of consumers by the Distribution Licensee.
- 1.6. "Commissioning Date" shall mean the date on which the Grid Connected Rooftop Solar Power Plant is synchronised and starts injecting the Solar Power to the Grid.
- 1.7. "Commission" shall mean the **** Electricity Regulatory Commission for the State/UT of ** referred to in sub- Section (1) of section 82 of the Act and constituted under the Act.

2. Applicable Rules and Regulations

This agreement is subject to the following rules and regulations, hereinafter collectively referred to as the "Applicable Rules and Regulations" and includes any amendments thereof:

- 2.1. *** Electricity Regulatory Commission for the State/UT of ** (Solar PV Grid Interactive System based on Net Metering) Regulations, ***.
- 2.2. Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 and amendment thereof;
- 2.3. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and amendment thereof;
- 2.4. Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010 and amendment thereof;
- 2.5. Power Quality & Protection and Controls shall conform to the standards specified in the CEA (Technical Standards for connectivity to the grid) Regulations, 2007 and CEA (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013, applicable to the distribution system as amended from time to time.
- 2.6. Indian Electricity Rules, 1956.
- 2.7. Any other provision that becomes applicable at the time of signing of the PPA as per the Regulation and amendments henceforth.

All other words and expressions used in this agreement, if not specifically defined herein above, but defined in the Act, shall have the same meaning as assigned to them in the Act. The other words and expressions used herein but not specifically defined in this agreement, regulations or the Act but defined under any other law passed by the Parliament applicable to the electricity industry in the State or Union Territory shall have the same meaning assigned to them in such law.

3. Eligibility:

- 3.1. The RESCO and Eligible Consumer do hereby confirm that he/she is aware, in advance, of the standards and conditions the Photovoltaic System has to meet for being integrated into grid/distribution system.
- 3.2. The RESCO and Eligible Consumer agree that connection of the Photovoltaic System to DISCOM's distribution system shall be bound by requirements of the state Distribution Code and/or DISCOM's conditions of service and **SERC (Rooftop Solar Grid Interactive System Net/Gross Metering) Regulations <Insert Year>** and their amendments. The grid shall continue to perform with specified reliability, security, and quality as per the Central Electricity Authority (Grid Standard) Regulations 2010 as amended from time to time.
- 3.3. The list of CA numbers eligible for GNM must be of same consumer i.e. having same name and must be situated in DISCOM Licensee area for setting-off of the consumption in the billing under Group Net-metering along with the signed undertaking is also annexed at **Annexure – F** to this Agreement.
- 3.4. The RESCO and Eligible Consumer do hereby confirm that it has applied connection under Group Net metering arrangement. The eligible consumer in furtherance of GNM arrangement has requested ___ (concerned department) to install net-meter equipment at his/her premises situated at _____ wherein the RESCO and eligible consumer is going to/has already installed the requisite solar panels. That the consumer has also given the list of GNM service connection numbers along with their sequence for setting-off the solar generation units.

4. Technical and Interconnection Requirements

- 4.1. The RESCO and Eligible Consumer agrees that he/she has installed/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 agree for the DISCOM to have access to and operation of this, if required, for repair and maintenance of the distribution system.
- 4.2. The RESCO and Eligible Consumer agrees that in case of a power outage on DISCOM's system, the photovoltaic system will shut down, unless special transfer and isolating capabilities have been installed on the photovoltaic system.
- 4.3. Technical specification of net meter and renewable energy meter should be in compliance with the DISCOM.
- 4.4. All the equipment connected to distribution system must be complaint with relevant International (IEEE/IEC) or Indian Standards (BIS) and installations of electrical equipment must comply with Indian Electricity Rules, 1956 and Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 and their amendments.
- 4.5. The RESCO and Eligible Consumer agrees that DISCOM will specify the interface/inter-connection point and metering point.
- 4.6. The RESCO and Eligible Consumer agrees to adhere to the power quality measures as per International or Indian Standards and/or other such measures provided by Commission/DISCOM.
- 4.7. The RESCO and Eligible Consumer agrees to furnish all the data such as voltage,

frequency, and breaker, isolator position in his/her system, as and when required by the DISCOM. The Eligible Consumer shall also provide facilities for online transfer of the real time operational data.

- 4.8. The RESCO and Eligible Consumer shall obtain requisite approvals, in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity of Distributed Generation Resources) Regulations, 2013 for commissioning of the Renewable Energy System, and furnish copies of approvals to the Distribution Licensee.
- 4.9. The RESCO and Eligible Consumer do hereby agrees that ____ (concerned department) may keep the entire information regarding application and registration of the Renewable Energy System on its website or web portal for transparency and convenience.

5. Safety:

- 5.1. The RESCO and Eligible Consumer shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations 2010.
- 5.2. The RESCO and Eligible Consumer agree that the design, installation, maintenance, and operation of the photovoltaic system shall be performed in a manner conducive to the safety of the photovoltaic system as well as the DISCOM's distribution system.
- 5.3. Due to DISCOM's obligation to maintain a safe and reliable distribution system, the RESCO and Eligible Consumer agree that if it is determined by DISCOM that Eligible Consumer's photovoltaic system either causes damage to and/or produces adverse effects affecting other distribution systems' consumers or DISCOM's assets, the RESCO and Eligible Consumer will have to disconnect photovoltaic system immediately from the distribution system upon direction from the DISCOM and correct the problem at its own expense prior to reconnection.
- 5.4. The RESCO and Eligible Consumer agree that any change/alteration/modification/addition of new capacity in the photovoltaic system post Net metering shall be carried out only after securing prior permission from DISCOM, which shall be issued post receipt of necessary Test certificate(s) and other documents as notified by DISCOM time to time.

6. Clearances and Approvals:

The Eligible Consumer agrees to attain all the necessary approvals and clearances (environmental and grid connected related) before connecting the photovoltaic system to the distribution system.

7. Access and Disconnection:

- 7.1. DISCOM shall have access to metering equipment and disconnecting means of photovoltaic system, both automatic and manual, at all times.
- 7.2. In emergency or outage situation, where there is no access to any disconnecting means, both automatic and manual, such as a switch or breaker, DISCOM may disconnect service to the premise and in such scenario, the RESCO and Eligible Consumer shall not have any right to object or to claim any sum from DISCOM citing such immediate disconnection.

8. Liabilities:

- 8.1. The RESCO, Eligible Consumer and DISCOM 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 DISCOM's distribution system.
- 8.2. DISCOM, RESCO 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.
- 8.3. DISCOM shall not be liable for delivery or realization by RESCO and eligible consumer for any fiscal or other incentives provided by the central & state government.
- 8.4. DISCOM disclaim all warranty/guarantee/oral discussions as to the performance of system/results/outputs, benefits etc. and DISCOM shall not be responsible for any claim associated with/citing the installation/performance of the photovoltaic system.

9. Energy Metering accounting and settlement:

- 9.1. All the energy generated from the solar plant will be purchased by the eligible consumer @....Rs/unit from the RESCO. The billing cycle between the RESCO and the eligible consumers will be.....
- 9.2. The units generated from the solar plant would be adjusted by the DISCOM in the monthly bill of the eligible consumer and in his different service connections as per the Electricity Regulatory Commission Regulations (.....) , Clause

10. Conditions for System Connectivity

The parties shall abide by the Central Electricity Regulatory Commission Regulations in respect of procedure of grant of connectivity. The consumer shall submit the following documents to grant the connectivity:

- Synchronization Circuit Details
- Safety Report
- Protection Circuit Details
- Test Certificates of System
- Schematic diagram of Renewable Energy system

11. Connection Costs:

- 11.1. The RESCO shall bear all costs related to setting up of the photovoltaic system including metering and interconnection costs as per estimate by DISCOM.
- 11.2. The RESCO agrees to pay the actual cost of modifications and upgrades to the distribution facilities required to connect the photovoltaic system in case it is

required.

- 11.3. Cost for interconnection equipment including the isolators, meters etc. are also to be borne by the RESCO.

12. Termination:

- 12.1. The term of this Agreement shall be the life of a typical solar photovoltaic power plant, which is 25 years or till the validity of license with DISCOM, whichever is earlier, unless this Agreement is otherwise terminated as per the provisions of this clause.
- 12.2. The Eligible Consumer or DISCOM or RESCO can terminate this Agreement at any time by providing 90 days prior notice to the all the other party to the agreement.
- 12.3. The RESCO and Eligible Consumer agrees that upon termination of this Agreement, he/she must disconnect the photovoltaic system from DISCOM's distribution system in a timely manner and upto DISCOM's satisfaction.

13. Change of Sharing Ratios:

- 13.1. The Eligible Consumer shall have the right to change the Sharing Ratio provided in the List of Service connections once every financial year by sending notice of at least 2 months to the DISCOM and submitting a revised list of service connections.
- 13.2. The Eligible Consumer shall submit a Group Net Metering application form as applicable at the time of such proposed change in the Sharing Ratio and amendment of the List of service connections.
- 13.3. That the RESCO and Eligible Consumer, for setting up/installation of solar photovoltaic power plant and during the tenure of the installation of the same, shall be liable to take all permissions/permits/approvals as required under the provisions of relevant laws.
- 13.4. That upon setting up and during the period of installation of solar photovoltaic power plant, the RESCO and Eligible Consumer shall jointly and severally, keep DISCOM /its employees/directors/officers/associates indemnified from all cost consequences, liabilities, penalties, claim of damages/compensation etc. from any person/agency/land owning agency/court or any other judicial-quasi-judicial authority citing the establishment and/or operation & maintenance of solar photovoltaic power plant.

14. Parent and Child Consumer:

That at the time of execution of this agreement, the Eligible Consumer shall be termed as Parent consumer and others as Child consumers with respective Applicability Priority. That for all communications issued by DISCOM and RESCO, they shall be free to communicate with Parent consumer and not to every consumer.

In the witness, where of Mr./Ms.and Mr./Ms. for and on the behalf of the Eligible Consumer, Mr./Msfor and on behalf of the RESCO

and Mr./Msfor and on behalf of DISCOM agree to this agreement.

Date:

Place:

Name & Signature of witnesses

Name & Signature of registered Consumer (GNM Applicant)

Name and Signature of RESCO (Along with Stamp)

Name and Signature of Nodal Officer (Along with Stamp)

******End******

Undertaking for incorporating the CA nos. in the priority list of settlement under Group Net-metering

I, _____ Son/Daughter of _____ Resident of _____ (hereinafter referred to as “GNM Beneficiary”, which term shall mean and include executors, administrators, heirs, successors and assigns), do hereby swear and declare as under:

- i. That the GNM Beneficiary is aware that a Group Net Metering connection has been applied by _____ “GNM Applicant” at the premises situated at _____.
- ii. That GNM Beneficiary is aware that name/CA No/s. of GNM Beneficiary have been given by the GNM Applicant for availing of benefits under GNM Scheme.
- iii. That GNM Beneficiary would like to avail the benefits associated with the GNM Connection issued to GNM Applicant as such submitting this instant undertaking confirming the terms herein.
- iv. That GNM Beneficiary confirms and understands that this present undertaking shall form part of the GNM Application Form submitted by the GNM Applicant and shall be construed in addition to the declarations and undertakings provided therein.

That the GNM Beneficiary hereby agree and undertake: -

- a. That GNM Beneficiary is the Registered Consumer (RC) for the CA No. _____ installed at the premises _____, whereas the GNM Applicant is the owner of the premises.
- b. That GNM Beneficiary has no objection if the CA No. _____ is being added to the benefits of GNM Connection issued to GNM Applicant in a manner as requested/agreed by GNM Applicant in the GNM Application.
- c. That GNM Beneficiary do hereby agree and undertake that it shall have no objection for the benefit credited, calculation of billing units under GNM Scheme as notified by Government/Competent Authority time to time.
- d. That GNM Beneficiary do hereby agree and undertake for calculation of units or the issues associated with the same the billing units may be revised by DISCOM in consideration of GNM Guidelines or any other issues and the same shall not give any rise to any claim from GNM Beneficiary against _____ (concerned department).

- e. That GNM Beneficiary has given its consent to GNM Applicant for inclusion of GNM Beneficiary for the benefits of Group Net Metering and understand that the nomination of GNM Beneficiary is at the discretion of GNM Applicant and the GNM applicant, at all times, shall be free to change the sequence of GNM Beneficiary and/or drop GNM Beneficiary from the benefits without any prior intimation and the same shall not give any rise to any claim from GNM Beneficiary against DISCOM.
- f. That GNM Beneficiary shall at all time keep DISCOM indemnified from all law suits/claims/action/liabilities associated with the inclusion/dropping of GNM Beneficiary from the benefits of Group Net Metering.
- g. That GNM Beneficiary undertakes to deposit the necessary document and permissions with DISCOM as and when demanded by DISCOM.
- h. That GNM Beneficiary shall take necessary permissions from the concerned authorities and shall submit the same with DISCOM, as notified by DISCOM time to time.
- v. The GNM Beneficiary confirms and agrees that in case of violation of the terms as stated in this undertaking and other terms as agreed by him/her, DISCOM shall be having full right to drop GNM Beneficiary from the benefits of Group Net Metering.

Signature of GNM Beneficiary

VERIFICATION:

Verified at <Insert the name of the City and State> that the contents of the above self-declaration are true and correct to the best of my knowledge and belief. This is to declare that No word and/or any statement has been amended/alterd/reframed in connection agreement as provided by DISCOM for the needful process of Group Net Metering (GNM) Application.

Signature of GNM Beneficiary

__END__

Chapter-4: Model Timelines for Operating Procedures for Installation and Metering Connection of Grid Connected Solar Rooftop PV Systems by DISCOMs

Activity	Responsibility	Timeline (Max Working Days)
Submission of Application	Consumer	Zero Days
Acknowledgment of Application by DISCOM	DISCOM	2 Days
Site Verification / Technical Feasibility & issuance of Letter of Approval (LOA) / Termination ^[1]	DISCOM	15 Days
In-Principle Approval for CFA	DISCOM	10 Days
Execution of Metering Agreement	DISCOM and Consumer	15-20 Days
Installation of Rooftop Solar System	DISCOM, Empanelled Vendor & CONSUMER	90-180 Days
Meter Procurement Intimation	CONSUMER	15 Days (prior intimating DISCOM on system readiness)
Submit Work Completion Report / Certificate	CONSUMER & Empanelled Vendor	90 – 180 Days (from LOA) (depending upon capacity)
Inspection by CEIG (if applicable)	CEIG	15-20 Days
Issuance of Safety Certificate	CEIG (if applicable)	5-10 Days
Intimation to Install Meter	CONSUMER	7-10 Days
Inspection by DISCOM, Installation of Meter ^[2] and Commissioning of the System	DISCOM ^[3]	15 – 20 Days (after CEIG approval)
Inspection for Release of CFA ^[4]	DISCOM	7-10 Days
Release of CFA	DISCOM	5-10 Days
Billing Process	DISCOM	30 Days after synchronization with Grid

^[1] DISCOM to communicate the deficiencies to Consumer and provide an opportunity to resolve them

^[2] DISCOM may provide a window of 15 days for Consumer to resolve deficiencies found during inspection

^[3] Joint Inspection by CEIG (if applicable) and DISCOM can reduce the timelines substantially. If DISCOM has no stock of meters, Consumer will purchase the same upon intimation by DISCOM. Inspection dates to be provided within 7 days by CEIG (if applicable) and DISCOM from the date of receipt of request for inspection sent by Consumer

^[4] Joint Inspection by CEIG (if applicable) and DISCOM can reduce the timelines substantially