

“मध्यप्रदेश विकेन्द्रीयकृत नवकरणीय ऊर्जा नीति-2016”

Annexure-I

Standards for Generation Meter

S. No.	Technical Parameters	Connectivity at 415 V & below voltage level			Connectivity above 415 V voltage level
		Whole Current Meters		CT Operated	CT-PT Operated
1.	Applicability	Renewable energy plant capacity up-to 4 kW	Renewable energy plant capacity above 4 kW and upto 15 kW	Renewable energy Plant Capacity above 15 kW and upto 50 kW	HT/EHV supply
2.	Number of phases and wires	Single Phase, 2 Wire	Three Phase, 4 Wire	Three Phase, 4 Wire	Three Phase, 4 Wire
3.	Measurand(s)	kWh	kWh	kWh, kVAh, kVA, PF	kWh, kVAh, kVA, PF, Max. demand
4.	Standard Voltage and frequency	240 V, 50±5%	3X240 V (P-N), 415 V (P-P), 50±5%	3X240 V (P-N), 415 V (P-P) 50±5%	3X63.5 V (P-N), 110 V (P-P) 50±5%
5.	Current Rating	10-60	10-60	1 Amp	1 Amp
6.	Accuracy class	1.0	1.0	0.5S	0.2S
7.	Indian Standard or IEC to which conforming	IS 13779-1999	IS 13779-1999	IS 14697, IS 13779	IS 14697, IS 13779
8.	Import-export feature	Forward import	Forward import	Forward Import	Forward import
9.	Communication Port/ Protocol	Optical/ DLMS	Optical, RS-232/ DLMS	Optical, RS-232/ DLMS	Optical, RS-232/ DLMS

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Standards for Net Meter

S. No	Technical Parameters	Connectivity at 415 V & below voltage level			Connectivity above 415 V voltage level
		Whole Current Meters		CT Operated	CT-PT Operated
1.	Applicability	Up to 5 kW Connected load	Above 5 kW and upto 18.65 kW connected load	Above 18.65 kW and upto 50 kVA contract demand	HT/EHV supply
2.	Number of phases and wires	Single Phase, 2 Wire	Three Phase, 4 Wire	Three Phase, 4 Wire	Three Phase, 4 Wire
3.	Measurand(s)	kWh	kWh	kWh, kVAh, kVA, PF	kWh, kVAh, kVA, PF, Max. demand
4.	Standard Voltage and frequency	240 V, 50±5%	3X240 V (P-N), 415 V (P-P), 50±5%	3X240 V (P-N), 415 V (P-P) 50±5%	3X63.5 V (P-N), 110 V (P-P), 50±5%
5.	Current Rating	10-60	10-60	1 Amp	1 Amp
6.	Accuracy class	1.0	1.0	0.5S	0.5S
7.	Indian Standard or IEC to which conforming	IS 13779-1999	IS 13779-1999	IS 14697, IS 13779	IS 14697, IS 13779
8.	Import-export feature	Import & Export	Import & Export	Import & Export	Import & Export
9.	Communication Port/ Protocol	Optical/ DLMS	Optical, RS-232/ DLMS	Optical, RS-232/ DLMS	Optical, RS-232/ DLMS

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Annexure-II

Technical Standards of Solar Photovoltaic System

S.No.	Standards	Reference
1.	IS 13779-1999	Standards for single or poly phase electrostatic watt hour meters
2.	IS 14697	Standards for static transformer operated watt hour meters and VAR hour meters
3.	IEEE 61000	Equipment standards to control/curtail flicker
4.	IEEE 519	Standards for limitation for Total Harmonic Distortion
5.	IEC 61215	Standards for Crystalline Silicon terrestrial photovoltaic (PV) modules- Design qualification and type approval
6.	IEC 61646	Standards for thin film terrestrial photovoltaic (PV) modules-Design qualification and type approval
7.	IEC 61730	Standard for Photovoltaic (PV) module safety qualification- Part1: Requirement for construction Part 2: Requirements for testing
8.	IEC 61701	Standards for Salt mist corrosion testing for modules used in coastal corrosive atmosphere
9.	IEC 60068-2(1,2,14,30)	Standards for power conditioning unit/inverters for efficiency measurement and environment tests
10.	IEC 60502	Standards for power cables with extruded insulation and their accessories for rated voltages from 1 kV(Um=1.2 kV) upto 30 Kv(Um=36 kV)
11.	IEC 60227	Standards for polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
12.	IEC 62116	Standards for utility-inter connected photovoltaic inverters-Test procedures of islanding prevention measures.

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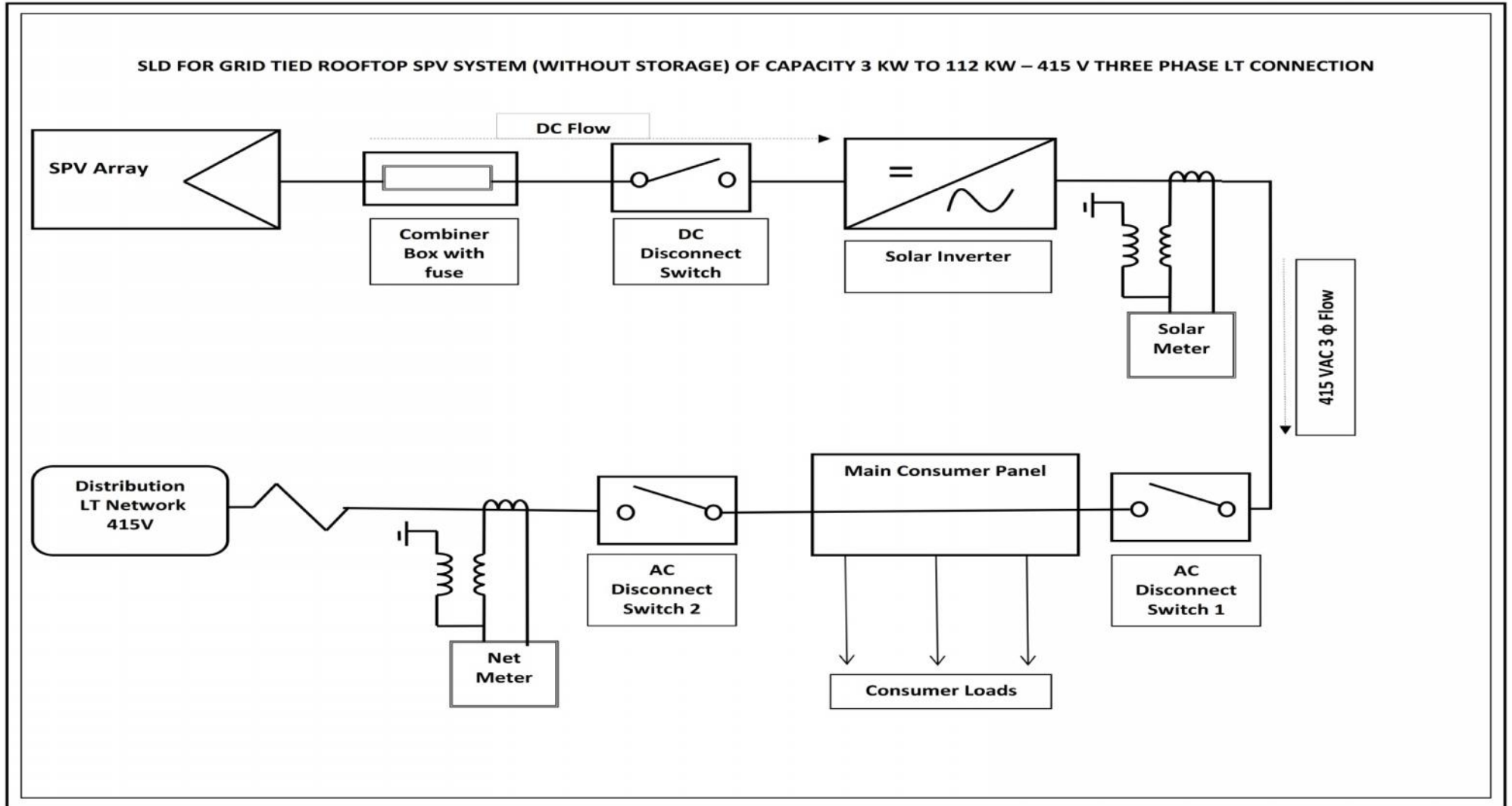
Annexure -III

Technical and interconnection requirements Parameters

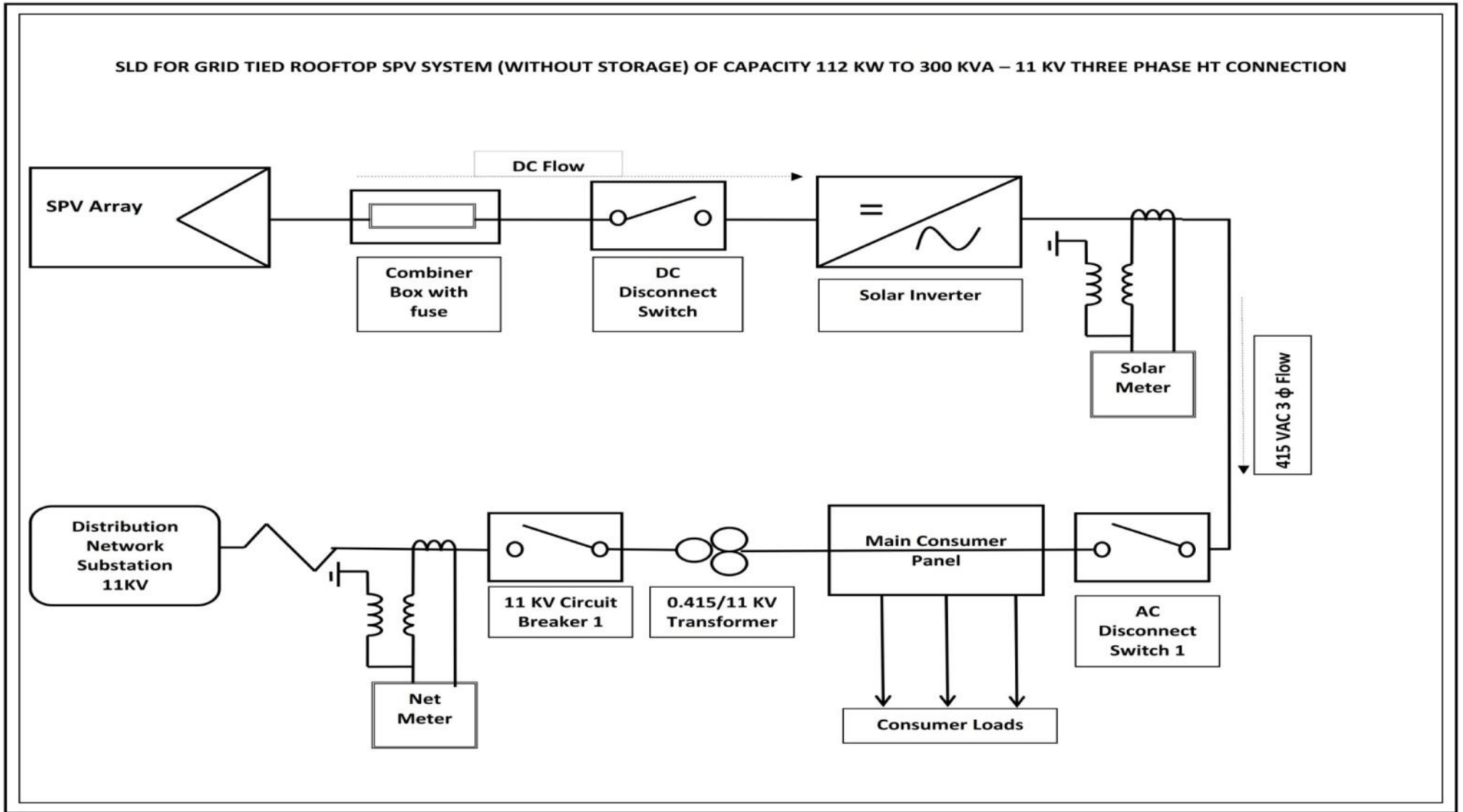
S. No	Parameters	Reference	Requirements
1.	Overall conditions of service	State Distribution/Supply Code	Compliance with the terms and conditions of supply.
2.	Overall Grid Standards	Central Electricity Authority (Grid Standard) Regulations 2010	Compliance with Grid Standards as regards frequency, voltage and Protection coordination.
3.	Meters	<ul style="list-style-type: none"> • Central Electricity Authority (Installation & Operation of Meters) Regulations, 2006 • MPERC Metering Regulations as amended from time to time 	Compliance with the specifications of the meters.
4.	Safety and supply	Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010	Compliance with safety provisions for electrical installations and apparatus of voltage below and above 650 volts.
5.	Harmonic Requirements, Harmonic Current	<ul style="list-style-type: none"> • IEEE 519 • CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013 	The Total Harmonic Distortion (THD) for voltage at the interconnection point should not exceed 5%. For the current distortion limits, the Total Demand Distortion (TDD) in terms of ratio of available short circuit current to the demand current (Isc/IL) should remain within limits specified for various harmonics for different TDD values.
6.	Synchronization	CEA (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013	Renewable Energy system must be equipped with a grid frequency synchronization device. Every time the generating station is synchronized to the electricity system, it shall not cause voltage fluctuation greater than +/- 5% at point of inter connection.

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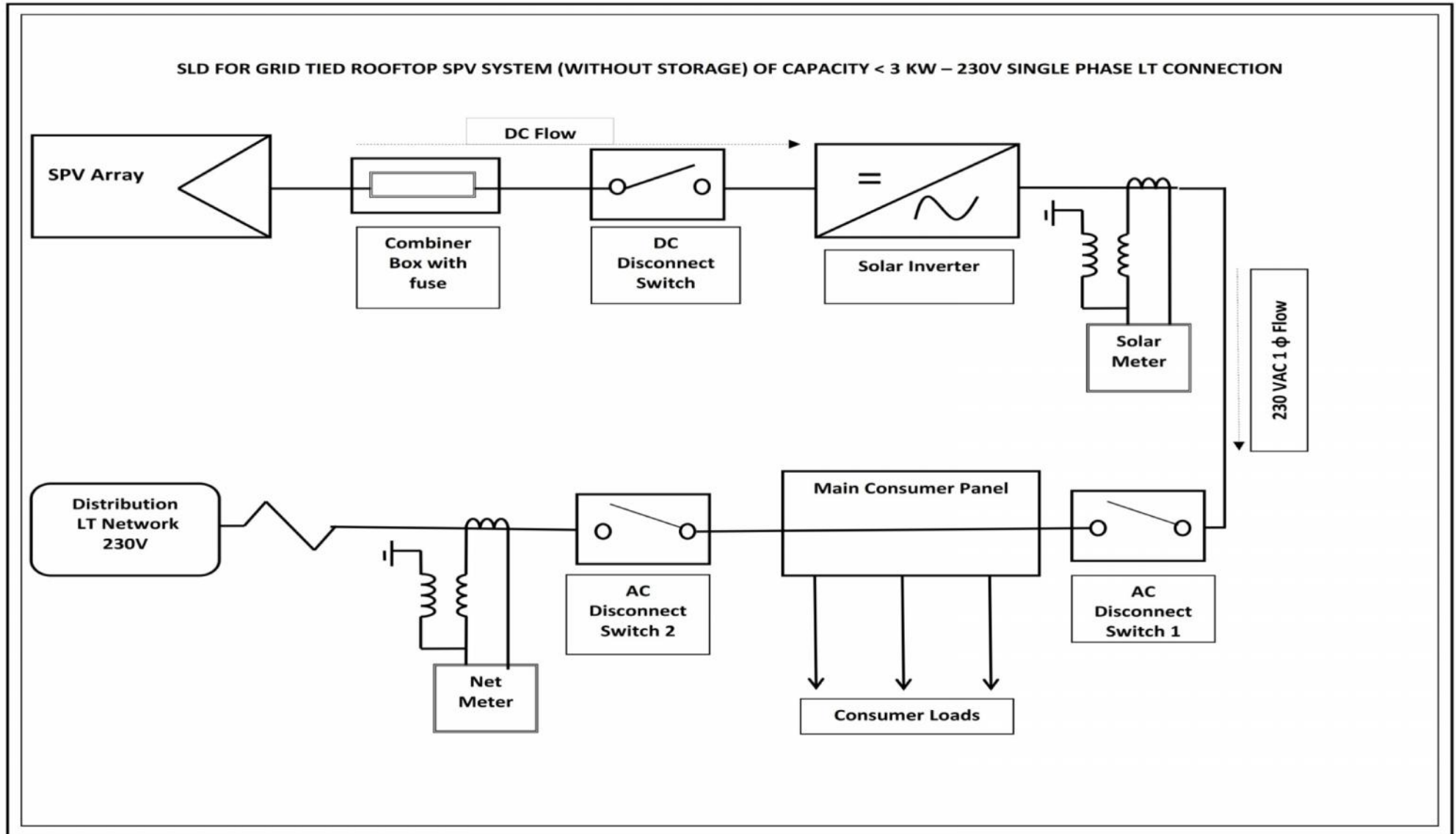
Annexure -IV



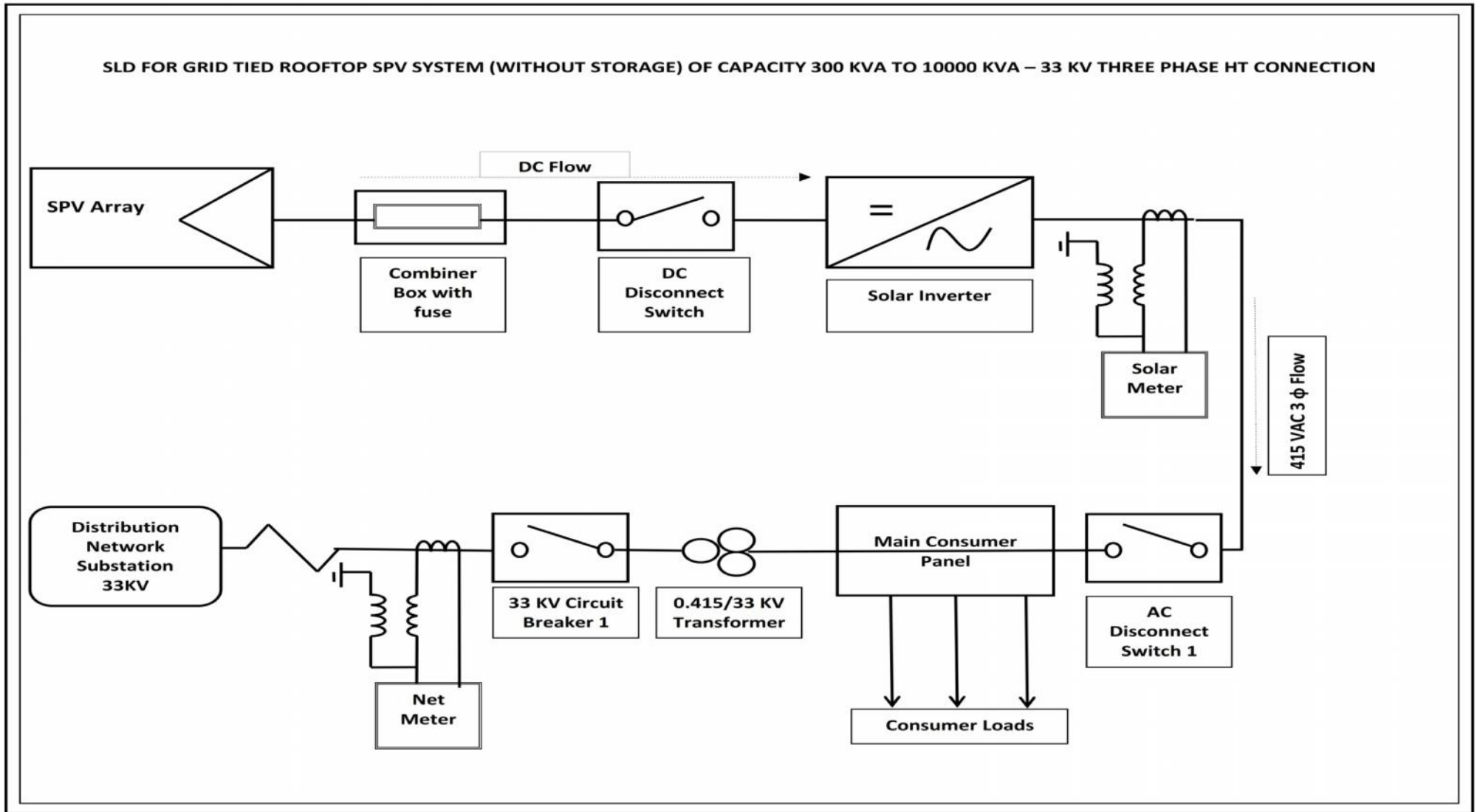
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Annexure – VA

Application for Net Metering and Grid Connectivity of Grid Connected Rooftop & Small Solar Photovoltaic System for beneficiaries of Category-I

To:

The Executive Engineer / The Superintendant Engineer

_____ (Distribution Licensee Name)

(Name / Address of office)

Date:

I / we herewith apply for a renewable energy net-metering connection at the existing service connection and for renewable energy plant of which details are given below.

Applicant Details	
Name of applicant	
Address of applicant	
Service Connection Number	
Telephone/Mobile number(s)	
Email ID	
Existing Connection Details	
Connection Type	Single Phase / Three Phase
Sanction Load (KW/HP/KVA) and Contract Demand (KVA)	<ul style="list-style-type: none"> • _____ KW • _____ HP • _____ KVA

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Category	Domestic / Non-Domestic / Industrial / Non- Industrial / Others (please specify)
Proposed System Details	
Type of proposed Renewable Energy system	Solar PV / Any Other (please specify)
Proposed Renewable Energy plant capacity at AC (Kilo Watts)	
Proposed Connectivity Voltage	Single Phase LT / Three Phase LT / HT
Approximate suitable area (Sq. Mt) available for installation of proposed Renewable Energy plant	
Documents enclosed with this application	
Copy of latest electricity bill	Yes / No
Mode of payment (Non-refundable registration fees)	Online/ Cash/ DD etc.

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

Place:

Signature:

Date:

Applicant's Name:

(Or on his behalf RESCO/MPUVN/or its representative)

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Instructions:

1. The filled – in application along with the necessary documents shall be submitted to jurisdictional O&M Sub-division office, _____ Discom.
2. On-line application: Application can also be made online on the website www._____.com.
3. The registration fees of Rs 1000 shall be payable in Cash / DD / Online
4. The applicant is advised to select a system installer, who is empanelled under Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016 to install the particular type of Renewable Energy System.
5. After installation of Renewable Energy system, office of Discom would inspect the Renewable Energy system upto 10 kW. For capacities above 10kW, Electrical Inspectorate, Government of Madhya Pradesh would be the inspecting and certifying authority. They shall certify whether the installation meets necessary safety standards.
6. On-grid inverters: Only MNRE / MPUV N approved manufacturers of grid-tied inverters shall be used. Reports of the tests conducted for IEC/IS standards and specifications of these selected model shall be submitted.
7. Bi-directional meters as per CEAGuidelines shall be purchased from Discom / MPUV N approved vendors. The vendors list of bi-directional meters can be downloaded from Discom/MPUVN website.

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General Terms and Conditions:

1. The premise must have easy access for inspection, metering and other necessary checks.
2. The applicant should be the owner of the property or an authorized person of the owner organisation. If the property is in the name of the Company, Trust, Co-operatives / partnership firms, then authorization shall be assigned to a person for correspondence, paperwork, execution of various agreements, etc. Such person must be authorized by the management of the organization. In case of partnership firms, the authorized signatory must be one of the partners, to whom written consent has been given by the other partners.
3. The suggestive format for authorization certificate can be downloaded from the website or from Consumer Information manual. This authorization certificate must be submitted to the Discom office at the time of submitting the interconnection agreement signed by the authorised person.
4. Registered application is not transferable.
5. Discom shall not be held responsible for any legal disputes between the applicant and Renewable Energy system installer arising out of the contract.
6. The proposed capacity of the Renewable Energy system shall be in-line with the provisions of the Madhya Pradesh Electricity Supply Code, 2013, for permitting consumer connections.

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Annexure - VBApplication for Grid Connectivity of Grid Connected Rooftop & Small Solar Photovoltaic System for beneficiaries other than Category-I

To:

The Executive Engineer / The Superintendant Engineer

MPUVN

(Name / Address of office)

Date:

I / we herewith apply for registration of the proposed renewable energy system at the existing service connection of which details are given below.

Applicant Details	
Name of applicant	
Address of applicant	
Service Connection Number	
Telephone/Mobile number(s)	
Email ID	
Existing Connection Details	
Connection Type	Single Phase / Three Phase
Sanction Load (KW/HP/KVA) and Contract Demand (KVA)	<ul style="list-style-type: none"> • _____KW • _____ HP • _____KVA

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Category	Domestic / Non-Domestic / Industrial / Non- Industrial / Others (please specify)
Proposed System Details	
Type of proposed Renewable Energy system	Solar PV / Any Other (please specify)
Proposed Renewable Energy plant capacity at AC (Kilo Watts)	
Proposed Connectivity Voltage	Single Phase LT / Three Phase LT / HT
Approximate suitable area (Sq. Mt) available for installation of proposed Renewable Energy plant	
Documents enclosed with this application	
Copy of latest electricity bill	Yes / No

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

Place:

Signature:

Date:

Applicant's Name:

(Or on his behalf RESCO/MPUVN/or its representative)

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Instructions:

1. The filled – in application along with the necessary documents shall be submitted to EE/SE MPUVN.
2. On-line application: Application can also be made online on the website www._____.com.
3. After installation of Renewable Energy system, office of Discom would inspect the Renewable Energy system upto 10 kW. For capacities above 10kW, Electrical Inspectorate, Government of Madhya Pradesh would be the inspecting and certifying authority. They shall certify whether the installation meets necessary safety standards.
4. On-grid inverters: Only MNRE / MPUVN approved manufacturers of grid-tied inverters shall be used. Reports of the tests conducted for IEC/IS standards and specifications of the selected model shall be submitted.
5. Bi-directional meter as per CEA guidelines shall be purchased from Discom / MPUVN approved vendors. The vendors list of bi- directional meters can be downloaded from Discom/MPUVN website.

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General Terms and Conditions:

1. The premise must have easy access for inspection, metering and other necessary checks.
2. The applicant should be the owner of the property or an authorized person of the owner organisation. If the property is in the name of the Company, Trust, Co-operatives / partnership firms, then authorization shall be assigned to a person for correspondence, paperwork, execution of various agreements, etc. Such person must be authorized by the management of the organization. In case of partnership firms, the authorized signatory must be one of the partners, to whom written consent has been given by the other partners.
3. The suggestive format for authorization certificate can be downloaded from the website or from Consumer Information manual. This authorization certificate must be submitted to the Discom office at the time of submitting the interconnection agreement signed by the authorised person.
4. Registered application is not transferable.
5. Discom shall not be held responsible for any legal disputes between the applicant and Renewable Energy system installer arising out of the contract.
6. The proposed capacity of the Renewable Energy system shall be in-line with the provisions of the Madhya Pradesh Electricity Supply Code, 2013, for permitting consumer connections.

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Annexure - VIA

Net-metering Application Acknowledgement

Received an application for net-metering connection for

Name of applicant

Service Connection Number

Type of proposed renewable energy system Solar PV / Other (please specify)

Proposed Plant AC Capacity (KW)

Application registration number

Date of Registration

Application Fees details - receipt number and date

Signature of Authorized person :

Office Stamp :

Date :

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Annexure - VI B

Application Acknowledgement

Received an application for Registration

Name of applicant

Service Connection Number

Type of proposed renewable energy system Solar PV / Other (please specify)

Proposed Plant AC Capacity (KW)

Application registration number

Date of Registration

Application Fees details - receipt number and date

Signature of Authorized person :

Office Stamp :

Date :

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Annexure - VIIA

Consumer Approval Letter

with respect to

the Application for Net Metering and Grid Connectivity of Grid Connected renewable energy System

Date:

To:

(Consumer applicant's name) M/S / Mr. / Ms. _____

Ref: Your application No. _____ dated _____

Our registration number _____ dated _____

With reference to your above mentioned application, approval is herewith accorded for installing renewable energy system of _____ kW in your premises as per the following terms and conditions:

1. You are advised to select an empanelled system installer of your choice to install the renewable energy system. The installer should have prior experience in design, supply and installation of renewable energy system. A list of empanelled installers of grid-connected PV systems by MNRE (Ministry of New and Renewable Energy, Government of India) / Madhya Pradesh Urja Vikas Nigam Limited (MPUVN) is a good reference point for identifying an installer.
2. You must select an inverter only from MNRE or MPUVN approved and empanelled manufacturers list. The vendors list of inverter manufacturers can be downloaded from MNRE / MPUVN website. You must submit the copy of Test Certificates for having complied with relevant IEC standards of the selected model along with work completion report.
3. All components of renewable energy system must comply with applicable IS/IEC standards. Please find attached a list of standards to be complied with attached with this approval letter.

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4. In case of any changes required at your premises due to this proposed installation, these shall be performed by you at your own cost.
5. The grid connectivity of the system shall be in accordance with the MPERC 'Net Metering Regulations 2015' dated 14.10.2015 and any amendments thereof from time to time and shall confirm to requirements of Government of Madhya Pradesh's Policy forNet - Metered Renewable Energy Applications,2016.
6. Netmetershallbepurchased fromDISCOM/ MPUVN approvedvendors (as per standards of MPERC/CEA and subsequent amendments thereof) and shall be fixed at the meter point, after getting successfully tested from Discom's or their authorized laboratory at the cost of Eligible Consumer.
7. TheApplicant shallalsoprovidecheck meters whenthe renewable energysystem capacity is higher than 250kWp.
8. All the safety measures and standards of the installed system must comply with requirements as stated in MPERC/CEA Regulations and all standards referred to in those regulations.
9. Please submit the following documents afterinstallationofRenewable energy system:
 - Work Completion report in provided format
 - Test Certificate of Net meter from Discom laboratory
 - Inspection Report by Electrical Inspector, Government of Madhya Pradesh (as notified by the State Govt.), wherever applicable, i.e renewable energy systems having capacity above 10kW.
 - Copy of signed Net Metering Interconnection Agreement on Rs. 500/- non-judicial stamp paper with Discom

This approval is valid for 180 days from the date of this letter and the renewable energy system is to be commissioned within this period, progress of system installation shall be monitored by MPUVN authorized officer / Agency and, if adequate progress is not observed MPUVN may recommend cancellation of the approval to DISCOM.

You should download the guidelines, the procedures and all technical specifications, standards

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and other requirements of the solar rooftop system from _____ (link to website of documents download)

Signature of Officer

Name and Designation

Date

Stamp

Enclosure : Annexure I , Annexure II , Annexure III& Annexure IV.

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Annex –VIII A

Net Metering Inter Connection Agreement

1. 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 Madhya Pradesh Poorv/ Paschim/Madhya Vidyut Vitran Company (hereinafter 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 _____ renewable energy plant of capacity _____ kilowatts into the power system of Discom, as per conditions of this agreement, and MPERC (Net Metering) _____ Regulations, 2015 issued by Madhya Pradesh Electricity Regulatory Commission, and Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016. Both the parties hereby agree to as follows:

2. Technical and Interconnection Requirements

2.1 The Eligible Consumer agrees that his renewable energy generation plant and net metering system will conform to the standards and requirements specified in MPERC (Net Metering) Regulations, 2015 and Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016, as also the following Regulations and codes, as amended from time to time: -

1. CEA's (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013
2. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006
3. Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010
4. MPERC Supply Code Regulations, 2007

2.2 Eligible Consumer agrees that he has installed or will install, prior to connection of Renewable Energy system to Discom's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual

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relays) and agrees for the Discom to have access to the renewable energy system, if required for repair & maintenance of the distribution system.

- 2.3 Eligible Consumer agrees that in case of a power outage on Discom's system, Renewable Energy 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 MPERC (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 Renewable Energy system either causes damage to and/or produces adverse effects affecting other consumers or Discom's assets, Eligible Consumer will have to disconnect Renewable Energy 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 statutory & necessary approvals and clearances be for econnecting the Renewable Energy system to the distribution system.

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4. Access and Disconnection

4.1 Discom shall have access to metering equipment and disconnecting means of the renewable energy 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 Renewable Energy 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 produced in the renewable energy 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 MPERC.

6.2 If there is surplus power generated after fulfilling captive consumption requirement at the end of the settlement period, the surplus power shall be compensated as per MPERC Net Metering Regulations, 2015 and amendments thereof. The unadjusted net credited units of electricity, at the end of each 'Settlement period', shall be purchased by the Distribution Licensee at its Average Pooled Cost of Power Purchase, as approved by the Commission for that year. The Distribution Licensee shall provide credit

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equivalent to the amount payable in the immediately succeeding Billing Cycle, and, if any credit still remains, then in the following Billing Cycle(s).

7. Connection Costs

7.1 The Eligible Consumer shall be arallcostsrelated to setting up of renewable energy system including meter ingand inter connection costs. The Eligible Consumer agrees to pay the actual cost of modifications and upgrades to the service line required to connect Renewable Energy 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 terms of this Agreement or MPERC(NetMetering) Regulations,2015issuedbythe Madhya Pradesh Electricity Regulatory Commission or Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016 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 Renewable Energy system from Discom’s distribution system in a timely manner and to Discom’s satisfaction.

In witness, whereof, Mr./Ms._____----- for and on behalf of_____(Eligible Consumer) and Mr./Ms._____----- for and on behalf of _____ (Discom) sign this agreement in two originals.

Eligible Consumer

Madhya Pradesh Poorv/Paschim/ Madhya Vidyut
Vitran Company

Name

Name

Address

Designation

Signature

Signature

Witness 1

Witness 2

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Annexure-IX

Work Completion Report

(To be submitted by the applicant)

To,

The Executive Engineer

..... O & M-City

.....

Madhya Pradesh Madhya/Paschim/PoorvVidyutVitran Company

Sir/Madam,

Sub: Submission of work completion report (to be submitted by the applicant) for system documentation requirements.

Ref: Our Application Registration No.: _____ dtd: _____

With reference to the above, I hereby confirm to you that we have completed the work of installation of the renewable energy system and submit the following basic information for your perusal and request you to arrange to inspect and commission the system at the earliest:

A. Details of the Solar PV module

1. Model No.
2. Name and address of manufacturer
3. Capacity of each Module (Wp)
4. No. of Modules
5. Total Capacity (kWp)
6. Date of Installation

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B. Details of the Inverter

1. Name and address of the inverter manufacturer
2. Brand Name of the inverter
3. Model No.
4. AC capacity of individual inverter (kW)
5. No. of inverters installed
6. Total AC capacity of inverter (kW)
7. Serial Nos.
8. Date of Installation

C. Details of the Cables: DC

1. Make / Name of manufacturer
2. Size & Type

D. Details of the AC wiring

1. Make / Name of manufacturer
2. Size & Type

E. Details of the DC distribution box

1. Make / Name of manufacturer
2. Sl. No.
3. DC Surge Protection Device
4. MCB /Isolator quantity & capacity
5. Size & Type

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F. Details of the AC distribution box

1. Make / Name of manufacturer
2. Sl. No.
3. AC Surge Protection Device
4. MCB /MCCB quantity
&capacity
5. Size & Type

G. Details of Battery Bank (if applicable)

1. Make / Name of manufacturer
2. Type of battery
3. Sr. Nos.
4. Capacity of each Cell (V / AH)

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1.	Number of Cells in series	
2.	Number of Cells in parallel	
3.	Total capacity in AH	
4.	Total battery bank voltage	

H. Details of the Earthing

1	Earth resistance (shall be less than 2 ohms)	
2	Size of the Earth wire / flat*	
3	Two separate Earthing points	
	Modules & DC Surge arrester	Yes / No
	Inverter, AC Surge protection device & Lightning Arrester	Yes / No
4	Size & Type	

I. Details of the Net meter details (please enclose the test report of the bi-directional meter tested at the laboratory of the Discom)

1.	Make	
2.	Serial No.	
3.	Capacity	
4.	Type / Model	
5.	Single ph./Three ph.	
6.	CT Ratio	
7.	Date of Test by MT, Discom	

J. Details of the Caution signage

K. Provision of manual and automatic switches : Yes / No

L. G.P.S. Co-ordinates of the Renewable Energy System Installation

(i) Latitude:

(ii) Longitude:

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M. Whether Operation and Maintenance Manual provided to the consumer: Yes/ No

Certified that the above said renewable energy system was installed and the equipment used comply with the Technical and Safety standards as specified by the Discom under net metering program.

Signature of the Applicant

Name and Signature of the System Installer

Name and Address with Seal

Name: _____

Name of the firm and address:

Date: _____

Date: _____

Enclosures:

1. Test report of net meter tested at the laboratory of the Discom.
2. Copy of the IEC/IS Test certificates of PV modules, Inverter etc.
3. Data sheets/Drawing for the array mounting System.
4. Actual Single line wiring diagram (SLD) of the SPV System.
5. Copy of Maintenance & Operation information manual provided by the System Installer
6. Copy of Interconnection Agreement on non-judicial stamp paper of Rs.500/-with Discom