



17 July 2019

Ashokdada Sable Law College

LL.B. 3 Year / LL.B. 5 Year / LL.M.

Tal. Mangaon, Dist. Raigad. 402 104

ashokdadasablelawcollege@gmail.com

Adv. Vinod Ghayal
Chairman

Shri. Rajiv Sable
President

Shri. Krishna Gandhi
Secretary

Dr. Sonali Burte
Principal

Ref.....

Date : / /20

DVV Clarification 7.1.2.D New Solar System Permission Documents

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.
D/O Executive Engineer, Testing Division, Pen
Shikshak Society, Anjuna Road Pen, Dist. Raigad. Pincode- 402107
Phone NO. 02143 292224. Email: esgen@msedcl.com/esgen@msedcl.com.in

Testing Certificate for L.T. 3-Ph. Solar & Generational Meter

EE/TDP/MTR/No. **003447** Date: **27 DEC 2023**

Ref. No. :- Letter From Solarich Power Solutions, Dtd.: 26.12.2023

* Name of Consumer :- M/s. Principal Ashokdada Sable Law College, At. Mangaon
Cons. No.:- 038041012100

* Date of Testing :- 27.12.2023
Meter Serial No. :- 53585855
Make :- HPL
Type :- PPEM24, 3-Ph.4-W, 3*240V,50Hz.

Class :- 1.0
C. T. Ratio :- 10 - 40 Amp
Pulse Rate :- 1600
MF :- 1

**** IMPORT MODE ****

1) Active Test :-

Sr. No.	Description of Test Carried Out	% Error
1	V-ref 100% At Unity Power Factor (Accuracy)	0.14, 0.17, 0.21
2	V-ref 10% At Unity Power Factor(Accuracy)	0.13, 0.16, 0.19
3	V-ref 100% At 0.866-Lag Power Factor(Accuracy)	0.20, 0.22, 0.27
4	V-ref 10% At 0.866-Lag Power Factor (Accuracy)	0.18, 0.22, 0.28
5	Dial Test (Dosage Test) Start Kwh = 4.013 End Kwh = 4.315; Zera: 301.9101	0.02

2) Reactive Test :-

Sr. No.	Description of Test Carried Out	% Error
1	V-ref 100% At 0.5 Lag (Accuracy)	-0.10, -0.12, -0.16
2	V-ref 100% At 0.866-Lag Power Factor(Accuracy)	-0.25, -0.22, -0.19
3	V-ref 10% At 0.866-Lag Power Factor (Accuracy)	-0.33, -0.37, -0.40
4	Dial Test (Dosage Test) Start Kvarh = 1.283, End Kvarh = 1.482; Zera: 200.0547	-0.52

**** EXPORT MODE ****

1) Active Test :-

Sr. No.	Description of Test Carried Out	% Error
1	V-ref 100% At Unity Power Factor (Accuracy)	-0.11, -0.17, -0.21
2	V-ref 10% At Unity Power Factor(Accuracy)	-0.20, -0.22, -0.25
3	V-ref 100% At 0.866-Lag Power Factor(Accuracy)	-0.13, -0.19, -0.22
4	V-ref 10% At 0.866-Lag Power Factor (Accuracy)	-0.15, -0.21, -0.26
5	Dial Test (Dosage Test) Start Kwh =1.911, End Kwh =2.313; Zera: 401.3908	0.15

2) Reactive Test :-

Sr. No.	Description of Test Carried Out	% Error
1	V-ref 100% At Unity 0.5 Lag (Accuracy)	0.14, 0.16, 0.19
2	V-ref 100% At 0.866-Lag Power Factor(Accuracy)	0.13, 0.20, 0.25
3	V-ref 10% At 0.866-Lag Power Factor (Accuracy)	0.24, 0.28, 0.34
4	Dial Test (Dosage Test) Start Kvarh =0.676, End Kvarh = 0.878; Zera: 201.1481	0.42

* Meter Body Seal Number : BUZ-2022/0217279 (Body)+ Str-316024 (38 + 39) + HPL-6249740
* Lab Test No :- TD /Pen /LTM/2023/C- 1384, Dt. 27.12.2023
** Remark :- Test Results are Found In Order.

Assistant Engineer
MSEDCL, Testing Division - Pen.



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Date : / /20

Maharashtra State Electricity Distribution Co. Ltd

Office Name : MANGAON S/DN
Sanction No : 4805 / MANGAON S/DN / 52343183
Date : 15-Dec-2023

To,

Principal Ashokdada Sable Law College
259 near district court MANGAON RAIGAD Mangaon, PEN CIRCLE,
Pin code : 402104
Mobile : 7888009927, Email : kapdekarniraj@gmail.com

Subject:

Sanction Letter for 10.0 KW Rooftop Renewable Energy Generating System for Consumer Number 038041012100 under Net Billing Arrangement.

Reference:

1. Your Application No. 52343183 dated : 14-Dec-2023
2. Technical Feasibility date : 15-Dec-2023
3. MERC Grid Interactive Rooftop Renewable Energy Generating System Regulations 2019.

Dear Sir / Madam,

Your application for Rooftop Renewable Energy Generating System vide above reference is hereby sanctioned under Net Billing Arrangement at the above mentioned premises as under:

Scheme Name: Regular Non Subsidize , Agency Name: Solarich power Solutions

Existing Parameters:

Sanctioned Load	10.0 KW	Contract Demand (in KVA)	0
DTC Code	4805438	DTC Name	
Existing Rooftop RE Capacity (in KW)	0.0	Tariff Category	50-Commercial

Sanctioned Parameters:

Sanctioned RE Capacity Solar	10.0 KW
Sanctioned RE Capacity Wind	0.0 KW
Sanctioned RE Capacity Hydro	0.0 KW
Sanctioned RE Capacity Biomass	0.0 KW
Sanctioned RE Capacity Biofuel	0.0 KW
Total Sanctioned Rooftop RE Capacity	10.0 KW
Cumulative Rooftop RE Capacity(Existing + Sanctioned)	10.0 KW

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Net-Meter Specifications:

Type	LT AC THREE PHASE, FOUR WIRE, STATIC TOD TRI - VECTOR NET ENERGY METER
Capacity (A)	10 - 40 AMPS
Voltage (V)	3 x 240 Volts Ph-N
Spec. No.	Tech spec no. CE/T-QC/MSC-II/TP/Net 10-40/ Date: 12.11.2020

Sanction No: 4805 / MANGAON S/DN / Rooftop RE / 038041012100 / 52343183 / 15-Dec-2023

Terms and Conditions :

1. The validity of this sanction is for 06 (Six) months from the sanctioned date i.e. up to 15-Jun-2024 from the sanctioned date 15-Dec-2023. If the Rooftop RE system is not installed and installation report (Annexure-1) is not uploaded by 15-Jun-2024, this sanction shall be deemed as cancelled and you shall have to apply afresh.
2. The metering arrangement and the inter-connection of the Renewable Energy Generating System with the Network of the MSEDCL shall be as per the provisions of the MERC (Grid Interactive Rooftop Renewable Energy Generating System) Regulations 2019 and the technical standards and norms specified by the Central Electricity Authority for connectivity of distributed generation resources and for the installation and operation of meters.
3. The eligible consumer agrees, that he shall install, prior to connection of the Renewable Energy Generating System to the Network of MSEDCL, an isolation device (both automatic and in-built within inverter and external manual relays); and the MSEDCL shall have access to it, if required, for the repairs and maintenance of the distribution Network.
4. The design, installation, maintenance and operation of the Renewable Energy Generating System shall be undertaken in a manner conducive to the safety of the Renewable Energy Generating System as well as the MSEDCL's Network.
5. The eligible consumer shall obtain all statutory approvals and clearances that may be required, from the authorities such as from the Electrical Inspector (For System Above 200 KW) or the municipal or other authorities, before connecting the Renewable Energy Generating System to the distribution Network.
6. The existing metering System, if not in accordance with the MERC (Grid Interactive Rooftop Renewable Energy Generating System) Regulations 2019, shall be replaced by a bidirectional meter (whole current/CT operated) and a separate Renewable Energy Generation Meter shall be provided to measure Renewable Energy generation. The bi-directional (Net) meter (whole current/CT operated) shall be installed at the inter-connection point to the MSEDCL's Network for recording export and import of energy.
7. The Generation Meter and bi-directional (Net) meters shall be fixed in separate meter boxes in the same proximity.
8. Separate Generation Meter shall be installed to each RE Generating source.
9. The Eligible Consumer shall bear all costs related to the setting up of the Renewable Energy Generating System, including the cost of the Renewable Energy Generation Meter, bidirectional meter(Net Meter) etc.
10. In case of the consumers availing Central Finance Assistance under MNRE's Rooftop Solar Phase-II scheme or any other subsidy scheme, the terms and conditions of the prevailing Tender Document shall be applicable.
11. Format of Agreement for Net Metering Arrangement / Net Billing Arrangement(Annexure-3 / Annexure-4) are available on MSEDCL portal.

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Shri. Krishna Gandhi
Secretary

Dr. Sonali Burte
Principal

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Date : / /20

Adv
M.S. Office In Charge
MANGAON S/D Ltd
Section Office -Mangaon-U

Note : This is a computer generated document. No signature is required.

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Adv
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Proforma_A

MAHA Maharashtra State Electricity Distribution Co. Ltd.

COMMISSIONING REPORT (PROVISIONAL) FOR GRID CONNECTED SOLAR PHOTOVOLTAIC POWER PLANT (with Net-metering facility)

Grid Connected SPV Power Plant of 10 KWp capacity has been installed at the site 259 near district court MANGAON RAIGAD Mangaon PEN CIRCLE 402104 District RAIGAD of MAHARASHTRA which has been installed by M/S mansaen. The system is as per BIS/MNRE specifications. The system has been checked for its performance on 17/07/2019 with installation of bi-directional meter and it is working satisfactorily.

SBM
Principal
Ashokdada Sable Law College
Mangaon-Raigad

Signature of the beneficiary
Principal Ashokdada Sable Law College

Signature of the beneficiary
With name, seal and
Date of the receipt

SBM

Signature of the beneficiary
With name, seal and
Date of the receipt

SBM
Assistant Engineer
M.S.E. Dist Co. Ltd
Section Office - Mangaon-U

css.mahadiscom.in/UI/ROOFTOP/ProFormaA.aspx

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SBM
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Dr. Sonali Burte
Principal

Ref.....

Date : / /20

Installation_Report



Maharashtra State Electricity
Distribution Co. Ltd.

Renewable Energy Generating System

Annexure- I

(Commissioning Report for RE System)

S No.	Particulars	As commissioned
1	Name of the Consumer	Principal Ashokdada Sable Law College
2	Consumer Number	038041012100
3	Mobile Number	7888009927
4	E-mail	kapdekamiraj@gmail.com
5	Address of Installation	259 near district court MANGAON RAIGAD Mangaon PEN CIRCLE 402104
6	RE Arrangement Type	Net Billing Arrangement
7	RE Source	Solar
8	Sanctioned Capacity(KW)	10
9	Capacity Type	Rooftop
10	Project Model	Capex
11	RE installed Capacity(Rooftop)(KW)	10
12	RE installed Capacity(Rooftop + Ground)(KW)	NA
13	RE installed Capacity(Ground)(KW)	NA
14	Installation date	<input type="text" value="26-December-2023"/> * GetDate
15	Solar PV Details	
	Inverter Capacity(KW)	<input type="text" value="10KW"/> *
	Inverter Make	<input type="text" value="POWER ONE MICRO SYST"/> * POWER C v
	No. of PV Modules	<input type="text" value="18"/> *
	Module Capacity(KW)	<input type="text" value="545"/> *

To be uploaded separately:

- Self-certification of safety of the installation of the RTS system along with the test report of the Licensed Electrical Contractor (Proforma-A).
- Electrical Inspector permission if System is above 200 KW. (Mandatory if system is above 200KW only)
- Third party leasing agreement if Model selected is RESCO.
- Photograph of the system commissioned.


Principal
Ashokdada Sable Law College
Mangaon-Raigad

Signature of Consumer
Principal
Ashokdada
Sable Law
College

Date: 02-January-2024

mahadiscom.in/UI/ROOFTOP/CommissioningReport.aspx

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ANNEXURE-2

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

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

Name of Administrative Office : Pune

Application No: : 52343183

Date of Receipt: 1 25-12-2023

(To be Filled by the Applicant in Block Letters)

1	Applicant's Full Name	Principal Aahokdada Sable Law College
2	Address of the premises at which Roof-top Solar PV System is to be installed	259 near district Mangaon Raigad Pin code 402104
3	Telephone / Mobile No	9307650323
4	E-mail ID (if available)	solarichpower@gmail.com
5	Alternate Address for communication (if any)	
6	Category of existing electricity connection	comarcal
7	Consumer No.	38041012100
8	Sanctioned Load/Contract Demand (in KW/KVA/HP)	10kw
9	Voltage at which existing supply has been given (in volts)	
10	Proposed AC capacity of Roof -top Solar PV System to be installed (in KW)	10KW
11	Voltage at the output of Solar inverter (in volts)	440v
12	Details of Registration Fee paid (For consumers For consumers with Sanctioned Load/Contract Demand above 5 KW Rs.1,000)	
13	Whether consumer availing solar RPO	
14	If not authorized MSEDCL to avail Solar PRO	

Date :

Signature of Applicant.

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List of documents attached with Application Form:

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

ACKNOWLEDGEMENT

Received an Application from Shri. Ramesh Mishrimal Jain Premises Co Op Society for connectivity / installation of Roof-top Solar PV System of capacity of 100KW as per details below:-

Date of Receipt	Applicant's Name	Application Number	Existing Consumer No.	capacity of Roof-top Solar PV System
1	2	3	4	5
25-12-2023	Principal Aahokdada Sable Law College	52343183	038041012100	10KW

Date:

(Signature and Designation of Authorized Officer)

Assistant Engineer
M.S.E. Dist Co. Ltd
Section Office - Mangaon-U



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Date : / /20

CHECK LIST FOR CHECKING OF GRID CONNECTED ROOFTOP SOLAR POWER INSALLATION WITH NET METERING ARRANGEMENT

Name of Consumer Principal Ashokdada Sable Law College
Consumer No 038041012100
Sanctioned Load 10kw

References:

Sr. No.	Particulars	Remark
1.	Separate lighting arrestor provided before solar panel as	YES
2.	Separate earthing provided for	YES
3.	Separate earthing provided for solar module and module	YES
4.	D. C. Fuse provided for protection	YES
5.	Array junction box provided with in built surge protection	YES
6.	Grid tie inverter provide with rate	Havells
7.	Protection provided after grid-tie inverter with	YES Provided
8.	ACDB provide with built in surge protection	surge protection provided
9.	Energy meter provide for recording solar power	Make : Sr. No. :
10.	ELCB / RCCB of rated capacity	
11.	MCB provide before load side with	100KW
12.	Net metering cabinet with ELCB / RCCB protection of	NA
13.	Earthing provide to metering cabinet	YES
14.	All metallic body are earthed	YES
15.	Net metering provide with specification as per MSEDCL	YES
16.	In event of grid or supply failure protection for islanding	YES
17.	In event of single phasing of grid protection for islanding	YES provided
18.	In case of battery and DG back up, separate wiring done	NA



Signature

Principal

Ashokdada Sable Law College
Mangaon-Raigad