



Bangalore Electricity Supply Company Limited

(wholly owned Government of Karnataka undertaking)

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Ref No. : BESCOM/BC-51/GM(DSM)/2024-25/ **C45-23**

Encl :

Office of the
General Manager (Ele).,
DSM, Corporate Office,
BESCOM, K.R. Circle,
Bangalore-560 001.

Date: **04-07-2024**

CIRCULAR

Sub: Common Standard Operating Procedure for BESCOM, HESCOM, GESCOM, CESC & MESCOM for implementation of Solar Rooftop Projects.

Ref:

1. G.O No: ENERGY/346/VSC/2023 Bengaluru dated 11.01.2024 Government.
2. Letter No: BESCOM/DSM/GM/DGM/AGM-5/2023-24 dated 04.05.2024
3. G.O No: ENERGY 346 VSC 2023 BENGALURU, Dated 24.05.2024

PREAMBLE:

As per the directions of Hon'ble Energy Minister, GoK, the Expert Committee under the Chairmanship of Hon'ble MD, BESCOM was formed for effective implementation of Solar Rooftop projects, vide Government Order cited under ref-1.

The Expert Committee, after conducting meetings on 16.01.2024 and 04.04.2024, submitted its report to the Government on 04.05.2024 and based on the recommendations of the Expert Committee, the Energy Department, GoK has issued directives for implementation of solar rooftop schemes vide G.O cited under ref-3.

As per the directions of the G.O dated 24.05.2024, "BESCOM to develop the procedure and standard operating Procedure (SoPs) for SRTPV implementation and circulate to all other ESCOMs, who in turn should follow without any deviation."

Hence this Circular;

For implementation of Solar Rooftop Projects in the Karnataka State, all the ESCOMs of Karnataka i.e. BESCOM, HESCOM, MESCOM, GESCOM & CESC shall follow the Common Standard Operating Procedure enclosed with this Circular without any deviation.

Approved by MD, BESCOM

General Manager (DSM)
BESCOM, Bangalore

Copy submitted for kind information to:

1. The Chief Engineer (Operations), Corporate Office, GESCOM, Kalburgi with a request to issue necessary directions for implementation as per this circular.

Copy submitted to:

1. The General Manager (Projects), Corporate Office, CESC, Mysore with a request to implement the circular.
2. The General Manager (Tech), Corporate Office, HESCOM, Hubballi with a request to implement the circular.
3. The Superintending Engineer (Comm), Corporate Office, MESCOM, Mangalore with a request to implement the circular.

Copy for kind information to

4. PS to MD/D(T), BESCOM with a request to place it before the Chair.
5. PS to MD/D(T), HESCOM with a request to place it before the Chair.
6. PS to MD/D(T), MESCOM with a request to place it before the Chair.
7. PS to MD/D(T), GESCOM with a request to place it before the Chair.
8. PS to MD/D(T), CESC with a request to place it before the Chair.



***Common Standard Operating
Procedure for BESCOM,
HESCOM, GESCOM, CESC &
MESCOM for implementation
of Solar Rooftop Projects***

COMMON STANDARD OPERATING PROCEDURE FOR IMPLEMENTATION OF SOLAR ROOFTOP PROJECTS

No: BESCOM/BC-51/GM(DSM)/ *CYS-24*

Date -> 04-07-2024

Ref: G.O No: ENERGY 346 VSC 2023 BENGALURU, Dated 24.05.2024

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I. PREAMBLE:

The Energy Department, Government of Karnataka, has issued directives for implementation of Solar Rooftop Projects in the Karnataka State vide Government Order cited under ref.

As per the directives, "BESCOM to develop the procedure and standard operating Procedure (SoPs) for SRTPV implementation and circulate to all other ESCOMs, who in turn should follow without any deviation."

Hence, in accordance with directions issued by the Energy Department, Government of Karnataka to BESCOM, the following procedure is defined for implementation of solar rooftop projects and the same has to be adopted by all ESCOMs.

The procedure and SOP defined below are in accordance with following Regulation and Orders;

| Sl. No | Issued By | Reference & Date |
|---------------|---|---|
| 1 | Karnataka Electricity Regulatory Commission | The KERC (Implementation of Solar Rooftop Photovoltaic Power Plants), Regulations 2016 dated 15.12.2016. |
| 2 | Karnataka Electricity Regulatory Commission | Modifications to the order dated 2 nd May 2016 in respect of Determination of tariff and other norms for Solar Rooftop and small Photovoltaic power plants dated 19.09.2016. |

| Sl. No | Issued By | Reference & Date |
|--------|---|--|
| 3 | Energy Department | Notification No: EN 106 EBS 2018, Bengaluru dated 19.07.2018 regarding tax on self-consumption. |
| 4 | Karnataka Electricity Regulatory Commission | Net metering arrangement for eligible consumers of Solar Rooftop Photovoltaic (SRTPV) plant dated 18.07.2022. |
| 5 | Ministry of New & Renewable Energy, Gol. | Guidelines for simplified procedure dated 10.06.2022 |
| 6 | Ministry of New & Renewable Energy, Gol. | OM for empanelment of Vendors dated 17.05.2023 |
| 7 | Karnataka Electricity Regulatory Commission | Evacuation / Utilization of Solar Energy Generation at LT/HT Voltage and connect to their LT/HT system dated 02.03.2023. |
| 8 | Energy Department | GO No: ENERGY/ 346/VSC/2023 Bengaluru dated 11.01.2024- Formation of Expert Committee. |
| 9 | Energy Department | Report of the Expert Committee No: BESCOM/DSM/GM/DGM/AGM-5/284 dated 04.05.2024 |
| 10 | Karnataka Electricity Regulatory Commission | Determination of tariff for SRTPV plants fort FY-2025 dated 11.06.2024 |

II. THE GIST OF FREQUENTLY REFERRED KERC ORDERS DURING IMPLEMENTATION OF SOLAR ROOFTOP PROJECTS ARE AS DETAILED BELOW:

1. **Allowed area for installation of Solar Rooftop Plant:**

The Consumers are allowed to install solar rooftop plants on the roof of the building constructed as per building norms. For all non-residential category Consumers and installations of Apartment owner associations, the solar panels installed on the carport will be considered as part of solar rooftop plant.

2. **Definition of Solar Rooftop Plant Capacity:**

Solar rooftop plant capacity is the DC capacity i.e. Arithmetic sum (total wattage) of Maximum Power Rating of all the solar modules/panels.

3. **Minimum Plant Capacity:**

The minimum permitted capacity of solar rooftop plant is 1kW and the solar rooftop plant capacity should be equal to or less than sanctioned load of the Consumer installation.

Note: If the sanctioned load is in KVA, the same shall be converted to KW by multiplying the KVA by 0.85 and If the sanctioned load is in HP, the same shall be converted to KW by multiplying it by 0.746.

4. **Hybrid Systems:**

The Consumers are allowed to install solar rooftop plant using hybrid inverters with battery storage system.

5. **Application & Facilitation Fees:**

The application and facilitation to be paid by Consumer are as tabulated below;

| Sl. No | Capacity of the proposed SRTPV system | Registration Fee | Facilitation Fee | Total Amount |
|--------|--|------------------|------------------|---------------------------------|
| 1 | From 1kWp Upto and inclusive of 5kWp | Rs.500/- | Rs.1000/- | Rs.1,500/- plus applicable GST |
| 2 | Above 5kWp Upto and inclusive of 50kWp | Rs.2000/- | Rs.3000/- | Rs.5,000/- plus applicable GST |
| 3 | Above 50kWp and Upto 1000kWp | Rs.5000/- | Rs.10000/- | Rs.15,000/- plus applicable GST |
| 4 | Above 1000kWp and Upto 2000kWp | Rs.5000/- | Rs.25000/- | Rs.30,000/- plus applicable GST |

6. Subsidy Option for Domestic Category Consumers:

The Domestic Category Consumers have option of availing the subsidy for installation of solar Rooftop plants under PM Surya Ghar Scheme. For Consumers other than domestic category, no subsidy is available. Hence the applications are broadly considered into following 02 categories;

- I. Without Subsidy (Non-Subsidy)
- II. With Subsidy (Subsidy)

7. Feasibility for LT installations:

Every SRTPV plant of less than 150 kW capacity shall be connected only to the existing distribution transformer through which the eligible consumers are being supplied electricity. In such cases, the total capacity of the existing and proposed SRTPV plants on that distribution transformer shall not exceed 80% of the rated capacity.

Note: This is applicable only for LT installations.

8. Feasibility for HT installations:

Every SRTPV plant of more than 150 kW capacity shall be connected only to the existing 11 kV distribution system. In such cases, the total capacity of the existing and proposed SRTPV plants shall be limited so that line current does not exceed 80 % of the rated current capacity of the line

Note: This is applicable only for HT installations.

9. Installation of More than 150kW plant capacity for LT Consumer:

If a LT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the consumer shall convert to HT system i.e., the billing meter shall be HT meter with metering cubicle and solar generation meter shall be 3 phase LT CT Operated meter (For net meter arrangement only).

10. Installation of More than 150kW plant capacity for HT Consumer:

If a HT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the billing meter shall be bi-directional HT meter and solar generation meter will be 3 phase LT CT Operated meter (For net meter arrangement only).

11. Power Purchase Agreement:

The duration of Power Purchase Agreement is for a period of 25 years and the Power Purchase Agreement (PPA) Execution Authority on behalf of ESCOMs are as tabulated below;

| Sl. No. | S RTPV plant Capacity | PPA Execution Authority |
|---------|-----------------------|---|
| 1 | From 1kWp to 500kWp | Assistant Executive Engineer(Ele), O & M Sub-Division |
| 2 | Above 500kWp | Executive Engineer(Ele) O & M Division |

12. PPAs for additional capacity installation

If a Consumer requests for installation of additional solar capacity, the present PPA shall be canceled and new PPA shall be executed for 25 years with new PPA rate being 90% of PPA tariff or present tariff, whichever is lower,

Note: In case of additional S RTPV capacity, for deciding the PPA authority, the total of already commissioned and proposed plant capacity shall be considered.

13. Metering arrangement:

The Metering arrangement shall be as tabulated below;

| Sl. No. | Type of Metering | Eligible Consumers |
|---------|-------------------------------|---|
| 1 | Gross Metering & Net Metering | Domestic Category consumers, Hospital and Educational institutions consumers. Note: Commission vide order dated 19.09.2016 has allowed one time irrevocable option of either Gross or Net metering for consumers at the time of signing of PPA. |
| 2 | Net Metering | Industrial, Commercial and all categories of consumers other than Domestic consumers. |

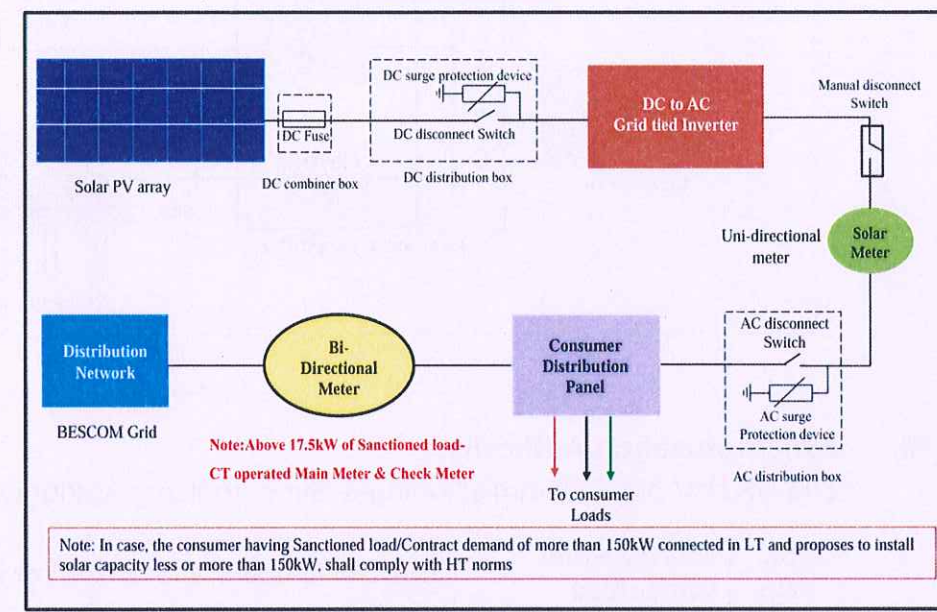
- 14.** For any change in the sanctioned load of the connected Consumer installation or any change in the tariff category of the connected Consumer installation, the existing PPA shall be cancelled and new PPA shall be entered with Consumer at a tariff of 90% of the PPA rate or present tariff whichever is lower for balance duration of PPA term.

15. Schematic Diagrams:

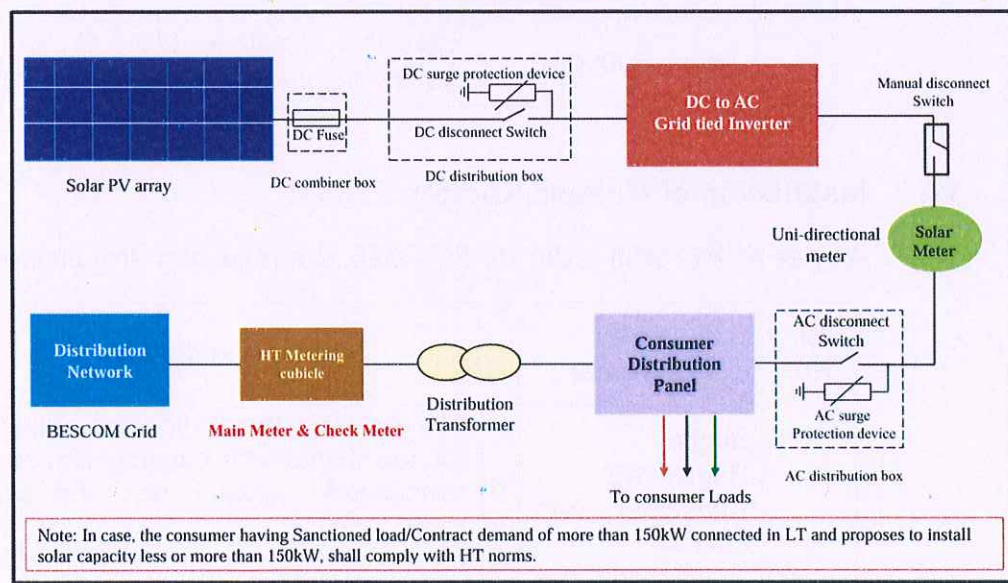
The Schematic Diagram for Net & Gross Metering arrangement is as below and same arrangement shall be ensured at the time of synchronization.

A. Net Metering Diagrams:

Single Line Diagram of Rooftop Facility for Net Metering Interconnection (LT consumers)

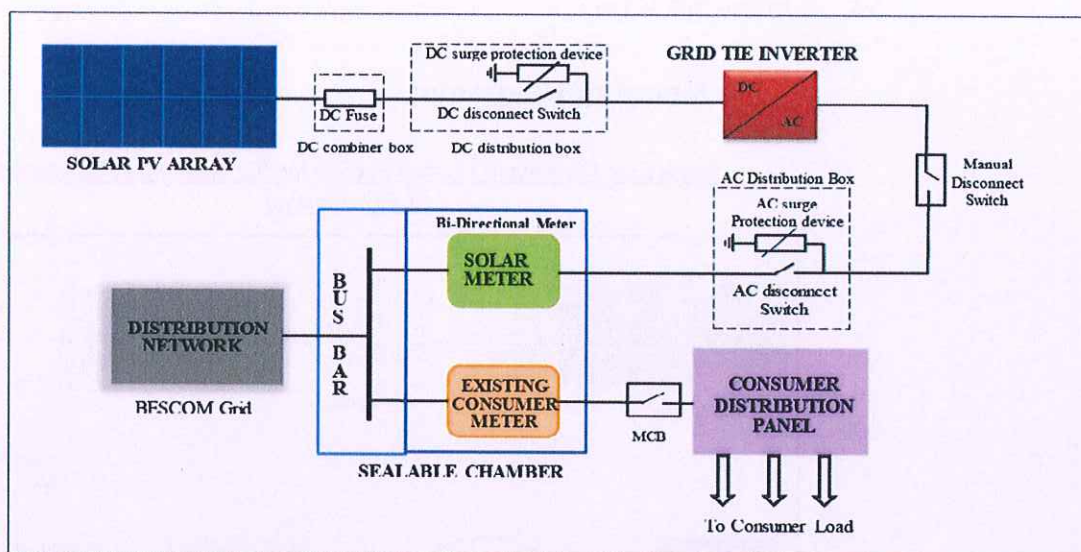


Single Line Diagram of Rooftop Facility for Net Metering Interconnection (HT consumers)



B. Gross Metering Arrangement:

Schematic Diagram of Rooftop Facility for Gross Metering Interconnection



16. Synchronization Authority:

The SRTPV plant Commissioning & Synchronizing Authority:

| Sl. No. | SRTPV Plant Capacities | ESCOM Officers authorized for synchronization |
|---------|-----------------------------|---|
| 1 | 1kW to 17.5kWp | Assistant Executive Engineer(Ele), O & M Sub-Division and MT staff not required. |
| 2 | Above 17.5kW to upto 500kWp | Assistant Executive Engineer(Ele), O & M Sub-Division in co-ordination with Meter Testing (MT) staff. |
| 3 | Above 500kWp | Executive Engineer(Ele) O & M Division in Co-ordination with Meter Testing (MT) staff |

17. Installation of Multiple Rooftop Plants:

As per KERC tariff order for FY-2025, the following are allowed;

| Sl. No. | Type Consumer | SRTPV installation | Allowed Metering arrangement |
|---------|--|---|------------------------------|
| 1 | Single Registered Consumer with multiple installations in a same premise with or without existing SRTPV. | a Allowed for Installation of multiple rooftop plants with capacity limited to sanctioned load of individual installation. | Net |
| | | b Allowed for Installation of single rooftop plant for combined capacity i.e. upto a capacity equal to sum of sanctioned load of all installations. | Gross |

| Sl. No. | Type Consumer | SRTPV installation | | Allowed Metering arrangement |
|---------|---|--------------------|--|------------------------------|
| 2 | Multiple Registered Consumers with multiple installations in a same premise with or without existing SRTPV. | a | Allowed for Installation of multiple rooftop plants with capacity limited to sanctioned load of individual installation. | Net |
| | | b | Allowed to install additional SRTPV unit. | Gross |

Note:

The Commission has allowed the single or multiple registered Consumers to opt for installing SRPV plant /plants with respect to each RR No. separately, under net metering or gross metering as per Commission's order dated 19.09.2016.

18. Metering arrangement for Open Access Consumers:

As per KERC order dated 18.07.2022, the facility of Net Metering in respect of SRTPV plants shall not be available to the Consumer availing power supply from other sources / captive sources through open access mechanism. The Consumers may opt for Gross Metering arrangement or may opt for establishing Captive Plant for self-consumption.

19. Option for installation of multiple generation Meters for HT Consumers:

The KERC vide order dated 02.03.2023 has issued order for Evacuation / Utilization of Solar Energy Generation at LT/HT Voltage and connect to their LT/HT system.

Through this order, the Commission has approved Net Metering arrangement in respect of SRTPV installed on the rooftop of several buildings with different capacities within the same premises, having HT connection with distribution licensees and to evacuate the solar generated energy connecting to the LT voltage bus of each building. This is optional for HT Consumers and is not compulsory.

20. Third Party Investment Models:

The Commission has allowed net or gross metering arrangements irrespective of type of investment.

21. Procurement of Bi-directional Meters:

Provision has been made for Empanelment of Vendors for supply of bi-directional meters. The Consumer has the option purchasing meters from any of the empaneled meter vendors. The Consumer can get bi-directional meter tested at any one of the ESCOM MT labs and same shall be accepted by all ESCOMs.

22. Provision of Check Meter:

The check meter shall be provided for SRTPV systems of capacity of more than 17.5 kW.

23. Procurement of CTs, PTs & Metering Cubicle:

CT's, PT's and Metering Cubicle shall be procured from ESCOM approved Vendors only.

24. Applicable Tariff:

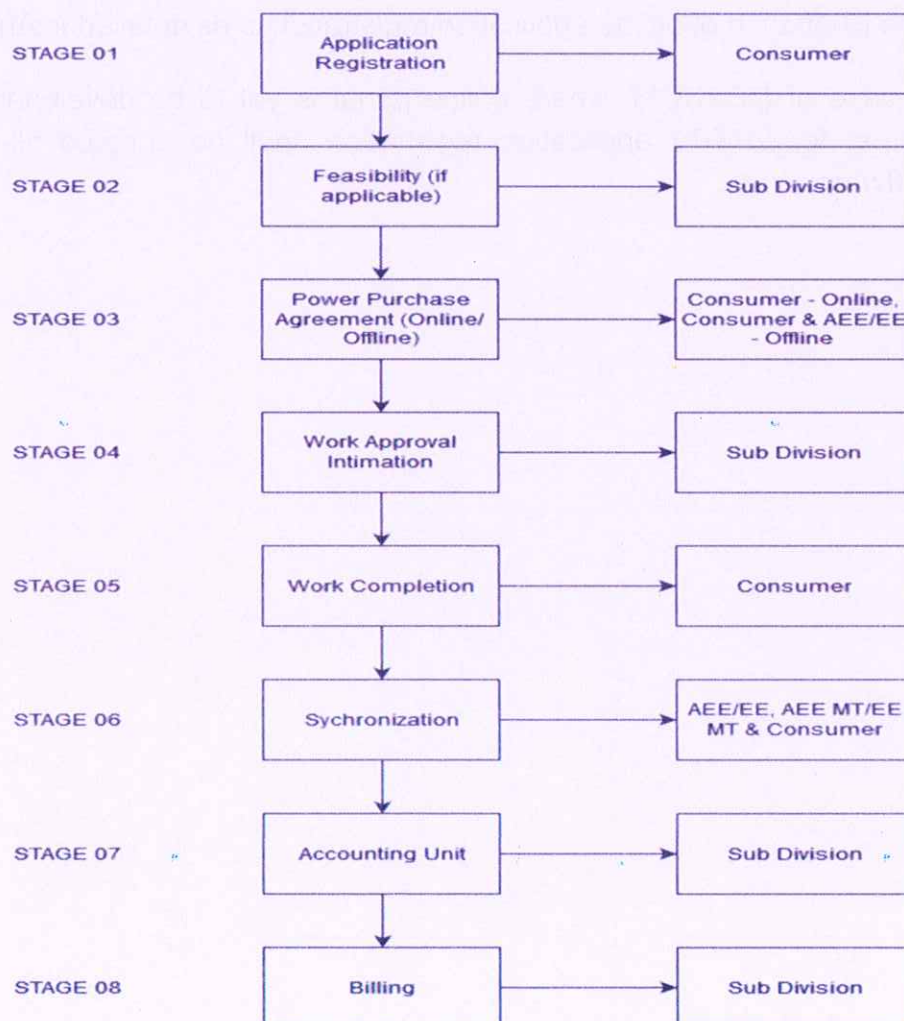
The PPAs shall be executed as per the Generic Tariff Orders issued by KERC from time to time for every FY / Control Period.

III. PROCEDURE FOR INSTALLATION OF SOLAR ROOFTOP PLANTS

The general work flow to be followed for SRTPV application consists of following stages:

1. Application Registration
2. Providing Feasibility (If applicable)
3. Execution of Power Purchase Agreement
4. Work Approval Intimation
5. Work Completion Intimation
6. Synchronization
7. Accounting & Billing

The flow char for the work flow for processing of SRTPV applications and detailed procedure to be followed at each step is as below;



STAGE -01: APPLICATION REGISTRATION

Responsibility: Consumer

Documents Required: Electricity Bill (Scanned copy)

- a. The Consumer shall be provided with option to raise request for installation of Solar Rooftop Plant through online mode only by applying through online SRTPV Portal.
- b. Only Account ID and Mobile Number of the Consumer are required for application registration.
- c. The capacity of proposed Solar Rooftop Plant shall not be less than 1kW and should be equal to or less than the sanctioned load of the installation.
- d. Solar rooftop plant capacity is the DC capacity i.e. Arithmetic sum (total wattage) of maximum Power Rating of all the solar modules/panels.

Note:

The Illustration of online application registration is as detailed in Annexure-1

In case of MESCOM, where online portal is yet to be developed, the following format for SRTPV application registration shall be adopted till deployment of software;

**BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED**

Wholly owned Govt. of Karnataka Undertaking

Summary of SRTPV Application No. 1000254011

| Applicant contact details | |
|---------------------------|--|
| Email Id | |
| Mobile Number | |

| Payment Details | |
|---------------------------------|-----------------------------|
| Transaction ID | YHMP1701329094 |
| Transaction Date | 28-Jan-2023 11:25:15 PM |
| Transaction Reference Number | 347047577953 |
| Amount Paid | 1770.0 (inclusive of taxes) |
| Taxes (CGST & SGST) | 270.0 |
| Payment Mode | Credit Card |
| Status | Success |
| Remarks | PGS10001-Success |
| GSTIN | 29AACCB1412G1Z5 |
| GST Service Account Code Number | 998631 |

| Application details | |
|-------------------------------------|-------------------|
| Application No | 1000254011 |
| Type of scheme | Own investment |
| Type of Grid connectivity | Net Metering |
| Solar Proposed in kWp | 3.0 |
| Minimum Shadow free area in Sq. mtr | 250.0 |
| Type of connection | 3 Phase LT |
| PAN | |
| Aadhar Number | |
| Pin code | 560034 |
| Latitude | 12.87894885995952 |
| Longitude | 77.71362984429399 |
| MNRE Subsidy sanctioned or not? | No |

| Account details | |
|-------------------|-----------------|
| Account ID | 4894240559 |
| Applicant Name | |
| Applicant address | |
| City | |
| Pincode | |
| Subdivision code | 140019 |
| Subdivision Name | S11 Subdivision |
| RR Number | S11DL89909 |
| Sanctioned Load | 7.0 kW |
| Connection Type | THREE Phase |
| Tariff category | Domestic - LT2A |

STAGE -02: FEASIBILITY

Responsibility: Sub division

The Category of Consumers for feasibility approval is as below;

- Category –I : Deemed Feasible Applications
- Category – II: Non- Deemed Applications

Category-I:

All SRTPV applications with proposed capacity upto 150kW are considered deemed feasible and it is not required to provide feasibility for these applications.

Category-II:

- a) Feasibility shall be provided by sub divisions for all SRTPV applications of capacity more than 150 kW.
- b) For providing the feasibility, the designated officer shall visit the proposed SRTPV installation premises and verify technical details and shall issue feasibility report.
- c) The technical feasibility shall be provided in accordance with the following;
 - i. Every SRTPV plant of less than 150 kW capacity shall be connected only to the existing distribution transformer through which the eligible consumers are being supplied electricity. In such cases, the total capacity of the existing and proposed SRTPV plants on that distribution transformer shall not exceed 80% of the rated capacity. This applicable only for LT installations.

Note: If a LT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the consumer shall convert to HT system i.e., the billing meter shall be HT meter with metering cubicle and solar generation meter will be 3 phase LT CT Operated meter (For net meter arrangement only).

- ii. Every SRTPV plant of more than 150 kW shall be connected only to the existing 11 kV distribution system. In such cases, the total capacity of the existing and proposed SRTPV plants shall be limited so that line current does not exceed 80 % of the rated current capacity of the line. This applicable only for HT installations

Note: If a HT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the billing meter shall be bi-directional HT meter and solar generation meter will be 3 phase LT CT Operated meter (For net meter arrangement only).

- iii. If the application is not technically feasible, the SDO shall cancel the Application and intimate the same to the Applicant.
- d) If a LT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the consumer shall convert to HT system i.e, the billing meter shall be HT meter with metering cubicle and solar generation meter will be 3 phase LT CT Operated meter. (For net meter arrangement only).
- e) If a HT consumer requests for installation of solar rooftop plant of capacity more than 150 kW, the billing meter shall be bi-directional HT meter and solar generation meter will be 3 phase LT CT Operated meter. (For net meter arrangement only).
- f) For HT installations, if the existing metering system is 3 phase 3 wire, it shall be converted to 3 phase 4 wire.
- g) Metering cubicle replacement and meter replacement to be indicated in feasibility report. It shall form a part of feasibility report. The existing meter shall be checked and suitable meter change shall be recorded in feasibility report in accordance with following table;

| Sl. No | Sanctioned Load | Bi-directional Meter (Billing Meter) | Solar Rooftop Plant Capacity | Uni-directional Meter (Solar Generation Meter) | Inverter Type |
|--------|---------------------------------|--------------------------------------|-----------------------------------|--|--------------------|
| 1 | 1kW to 5kW | 1 Phase or 3 phase | 1kWp to 5kWp | 1 Phase or 3 phase | 1 Phase or 3 phase |
| 2 | More than 5kW & upto 17.5 kW | 3 Phase, whole current | More than 5kW & upto 17.5 kW | 3 Phase, whole current | 3 phase |
| 3 | More than 17.5 kW & upto 150 kW | 3 phase LT CT Operated meter | More than 17.5 kWp & upto 150 kWp | 3 phase LT CT Operated meter | 3 phase |
| 4 | More than 150kW | 3 phase CT PT Operated HT meter | More than 150 kWp | 3 phase LT CT Operated meter | 3 phase |

MESCOM shall adopt the following feasibility approval format till deployment of software;



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref:

Asst. Executive Engineer (Ele.),(Com.
O&M),BESCOM, SLN Complex, Bus Stand,
Kengeri, Bangalore-560060

Feasibility Report for SRTPV Application No. 1000052853

Proposed solar capacity: 3.0

This application is registered under SOURA GRUHA YOJANE (SGY) - 2019-2020

| DT Information | |
|--|----------------|
| DTC Location | VBHCS LAYOUT-6 |
| DT Code | 111060401 063 |
| DT Capacity in kVA | 250.0 |
| Connected Load on DT in kW | 179.0 |
| SRTPV Capacity already connected in kW | 0.0 |
| SRTPV Capacity under progress in kW | 0.0 |

| Feeder Information | |
|--|------------------------|
| Substation Name | RAJARAJESHWARINAGAR_66 |
| Feeder Name | F07-BEML-LAYOUT |
| Feeder MDM code | 1140204901010301 |
| Feeder conductor size in sq. mm | 400.0 |
| Rated current carrying capacity in Amps | 286.0 |
| SRTPV capacity already connected in Amps | 113.0 |
| SRTPV capacity under progress in Amps | 0.0 |
| SRTPV capacity proposed in Amps | 13.0 |

| Feasibility | |
|--------------------------|--------------|
| Proposed Application is | Feasible |
| Allowable SRTPV Capacity | 3.0 |
| Remarks | ITS FEASIBLE |

Note:

The Illustration of online feasibility process is as detailed in Annexure-1

STAGE -03 – EXECUTION OF POWER PURCHASE AGREEMENT (PPA)

Responsibility: Consumer & O&M AEE /EE

The Power Purchase Agreement has to be executed in either of the following ways;

- a) Online PPA
- b) Offline PPA

a) Online PPA:

The online PPA shall be executed by the Consumer for all the SRTPV applications which are considered as deemed feasible i.e. for all applications upto 150kW capacity. The online PPA shall be executed in online mode by the Consumer.

b) Offline PPA:

- The offline PPAs shall be executed for SRTPV applications of more than 150kW capacity. The PPAs are to be executed on Rs. 500 value non-judicial stamp paper in Commission approved format.
- The Consumer shall co-ordinate with designated ESCOM officer for PPA execution.
- The PPAs shall be uploaded in the online SRTPV portal by designated officers for auto generation of work approval letter.

The Power Purchase Agreement (PPA) Execution Authorities on behalf of ESCOMs for SRTPV installations are as tabulated below;

| Sl. No. | SRTPV plant Capacity | PPA Execution Authority |
|---------|----------------------|--|
| 1 | From 1kWp to 500kWp | Assistant Executive Engineer(Ele) , O & M Sub-Division |
| 2 | Above 500kWp | Executive Engineer(Ele), O & M Division |

PPA Approval Authority:

- I. For capacities upto 500kWp, Assistant Executive Engineer(Ele) of O & M Sub-Division is the PPA approval authority.
- II. For capacities above 500kWp and upto & inclusive of 1000kWp, PPAs shall be approved by Corporate Office of the respective ESCOMs.

- III. The approval of the KERC shall be obtained for all PPAs of SRTPV applications with capacities of above 1000kW.
- IV. In case of any deviation from the standard format of PPA, the approval for the same shall be obtained from KERC.

PPAs for additional capacity installation

If a Consumer requests for installation of additional solar capacity, the present PPA shall be canceled and new PPA shall be executed for 25 years with PPA rate being 90% of PPA tariff or present tariff, whichever is lower,

Note: In case of additional SRTPV capacity, for deciding the PPA authority, the total of already commissioned and proposed plant capacity shall be considered.

Intimation for change of HT Metering Cubicle:

In case, if the change of HT Metering Cubicle is required, the sub division officers shall prepare estimate and intimate to the Consumer the supervision charges to be paid, within 07 days of PPA execution.

Note:

The Illustration of PPA execution process is as detailed in Annexure-1

STAGE -04 – WORK APPROVAL INTIMATION

Responsibility: Sub division

- a. Work approval intimation shall be auto generated and emailed to registered email after online execution of PPA/Uploading of PPA document in case of off-line PPA.
- b. The work approval intimation shall also include intimation for change of meter and if required change of HT metering cubicle.

MESCOM shall adopt the following format for work approval intimation till deployment of software:



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref:

Date: 13.06.2024

To, PUTTAMADIAH M#51 5TH CROSS OPPOSITE GURUKUL SCHOOL AVALAHALLI

Madam/Sir, Sub: Approval for the PPA and start of SRTPV work - regRef:

1. Application Reg No. 1000410848 dated 17.04.2024
2. PPA executed date: 13.06.2024

With reference to your SRTPV application, Approval is herewith accorded for installation work of SRTPV, as per following conditions:

1. As per CEA guide lines, you are responsible for planning, design, construction, reliability, protection and safe operation of all the equipment's subject to the regulations for construction, operation maintenance, connectivity and other statutory provisions.
2. You can select a reputed system installer of your choice, who have experience in design, supply, installation and commissioning of " + SRTPV system.
3. Only BESCOM empaneled meter shall be used. The empaneled list of meters are available in BESCOM website.
4. Upgradation of infrastructure, if required, (service main, meter with CT, upgrade) upto the grid connectivity point is to be done at your cost.
5. All the other components of Solar RTPV system such as PV modules, grid tied inverter shall comply with applicable IS/IEC standards. The Technical specification of each equipment's is available in BESCOM website.
6. The work of grid connectivity shall be carried out in accordance with the Net- metering / Gross metering schematic diagram available in BESCOM website
7. Bi-directional meter (whole current/ CT operated) shall be provided before the point of interconnection and the existing meter shall be shifted to the generation side of SRTPV plant to measure solar power generation.
8. Both the meters shall be within the same proximity and easily accessible for taking monthly reading by the meter reader.

9. The Applicant shall provide Bi-directional check meter in series with the proposed Bi-directional meter (Main meter) when the SRTPV system capacity is more than 17.5kWp.

10. You should complete the SRTPV installation work before dd/mm/yyyy

11. After completion of the work in all respects, you have to submit the work completion report along with following documents

a. To submit consent letter in the SRTPV online portal obtained from system installer stating the equipments installed comply with safety and necessary technical standards.

b. First sheet of Bank pass book containing details of Name of the Bank, Type of account, Account No, Name of the Branch, IFSC code etc.

12. If for any reason the date of commissioning is delayed beyond the date of commissioning agreed, the tariff payable by the BESCOM shall be lower of the:

I. Tariff agreed to in this agreement OR

II. Any revised tariff, determined by the Commission, prevailing on the date of commissioning OR

III. 90% of the tariff agreed to in this agreement.

Please note that BESCOM will not be held responsible for any legal disputes between the applicant and SRTPV system installer arising out of the contract.

Yours Faithfully

sd/-

Assistant Executive
Engineer(Ele)

Note:

The Illustration of work approval intimation is as detailed in Annexure-1

STAGE -05 – WORK COMPLETION INTIMATION

Responsibility: Consumer

- a) The Consumer shall upload the Work Completion details in online SRTPV portal for enabling the sub division offices to process the application for synchronization.
- b) Along with solar panel and inverter details, the Consumer shall also enter Bank details and upload copy of the PAN card and cancelled cheque in online portal.
- c) The Supplementary PPA (SPPA) shall be executed if the installed capacity is different from PPA capacity and is within the sanctioned load of the Consumer installation.
 - In case deemed feasible applications, online SPPA has to be done.
 - In case of other applications, the SPPA has to be executed in offline mode.

The MESCOM will facilitate Consumers to entry work completion details in following format till deployment of software:

:

Work Execution details of of SRTPV Application No. 1000410848

Solar PV Module

| Sl No | Make | Type | Capacity of each module in kWp | No. of Modules | Sl. No of Modules (Comma separated) | Total capacity of this make, type & capacity |
|-------|------------|------|--------------------------------|----------------|--|--|
| 1 | Innovative | Poly | 0.32 | 9 | 2024-2549, 2024-2553, 2024-2544, 2024-2552, 2024 12/14-2550, 2024 2548, 2024 -2547, 2024 12/14-2551, 2024-2546 | 2.88 |

Inverter

| Sl No | Make | Type | Capacity of Inverter (VA) | No. of Inverters | Sl. No of Inverters (Comma separated) | Total capacity of this make, type & capacity |
|-------|--------|--------|---------------------------|------------------|---------------------------------------|--|
| 1 | Coodwe | String | 0.003 | 1 | 53000SSX22CW4126 | 0.003 |

Bidirectional Main Meter

| | |
|-----------------------------|---|
| Make | M/s Genus Power Infrastructures Limited |
| Type | ELECTRO STATIC METER |
| Serial No | 922280 |
| Phase | Single Phase |
| CT Ratio | 1.0 |
| PT Ratio | 1.0 |
| Date of Test by MT division | 10 Apr 2024 |

| | |
|--------------------------------------|---------------------|
| System Installer Firm Name | Espec Solar Pvt Ltd |
| System Installer Firm License Number | 29AABCE2543A1Z5 |

Certified that the above said SRPTV system was installed by me and the equipment's used comply the Technical and Safety standards issued by BESCOM.

Report submitted on : 13 Jun 2024 01:08:27 PM

This is a system generated letter and doesn't require signature

Note:

The Illustration of uploading work completion details is as detailed in Annexure-1

STAGE -06 – SYNCHRONIZATION:

Responsibility: Consumer & ESCOM O&M AEE/EE and MT staff.

For Synchronization purpose, the Consumers are divided into following 02 categories;

- Category-1: From 1kW to 17.5kW solar capacity
- Category-2: Above 17.5 kW solar capacity

Category 1: (From 1kW to 17.5kW solar capacity)

- The O&M AEE shall visit the SRTPV installation, ensure all technical compliance as per norms and synchronize the solar rooftop plant with ESCOM grid and duly record the meter details and readings.
- The synchronization certificate shall be generated by sub division officers in the online portal.

Category 2: (Above 17.5 kW solar capacity)

- The O&M AEE shall initiate action for synchronization and shall intimate the concerned MT official for conducting PC test.
- The Consumer shall co-ordinate with O&M AEE for synchronization of the SRTPV plant.
- The MT officers shall conduct PC test, record the relevant parameters and provide the report to the concerned sub division and shall upload the details in online portal.
- The check meter shall be provided for SRTPV systems capacity of more than 17.5 kW.
- The O&M AEE shall synchronize the SRTPV plant and generate synchronization certificate in the online portal.

- The SRTPV plant Commissioning & Synchronizing Authority:

| Sl. No. | Capacities | ESCOM Officers authorized for synchronization |
|---------|-----------------------------|--|
| 1 | 1kW to 17.5kWp | Assistant Executive Engineer(Ele), O & M subdivision. |
| 2 | Above 17.5kW to upto 500kWp | Assistant Executive Engineer(Ele), O & M Subdivision in co-ordination with Meter Testing (MT) staff. |
| 3 | Above 500kWp | Executive Engineer(Ele), O & M Division in Co-ordination with Meter Testing (MT) staff |

The MESCOM officers shall issue synchronization certificate in following format till deployment of software:



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref:

Asst. Executive Engineer (Ele) (Com.
O&M) BESCOM, 14th Cross, 1st Phase,
Jayaprakash Narayan Nagar, Bengaluru - 560078
Date: 05.06.2024

To,

A S SHASHIDHARA
NO 26 YALE NARAYAN NAGAR HOBLI

Madam Sir,

Sub: Certificate of synchronization of your SRTPV system

Ref: Application Reg No. 1000371621 dated 12-03-2024

Synchronization test of Solar Rooftop PV system of 4.0 kWp, installed on the roof of your installation bearing RR No.: 510H00458 has been conducted and your SRTPV system successfully synchronized with the BESCOM grid at 230 voltage level on 09.04.2024

Yours Faithfully

35/

Assistant Executive
Engineer(Ele)

210 Subdivision, BESCOM

Note:

The Illustration of entering the synchronization details and generating the synchronization letter is as detailed in Annexure-1

IV. ACCOUNTING & BILLING

Responsibility: AEE, AE (Technical) & AAO of the sub division

- In case of execution of offline PPA, the AE(T) of the sub division, after generating the synchronization certificate, shall hand over the PPA to accounting unit (AAO).
- The AAO of the sub division shall ensure that all the SRTPV installations synchronized in a calendar month are read and billed in the next calendar month without fail by verifying the details in online portal.
- No hard copies of the documents, except for PPA in case of offline PPA, shall be collected from Consumer / Installer. If required, documents shall be downloaded by AE(T)/AAO using their login credentials.

The format for billing of SRTPV installations is as below and all the ESCOMs shall bill the SRTPV installations in the same format.

SRTPV Bill Description with TOD billing

| | | | |
|----|--|--------|---|
| 1 | RR No | 23 | Cost of Purchase (PPA Rates) |
| 2 | Account ID/Connection ID | 24 | Availing of Subsidy (Yes/No) |
| 3 | Name & Address | 25 | Gross Amount Payable (Net Export *PPA Rate) |
| 4 | Meter Reader Code | 26 | A) Demand Charges B) MD Penalty (If any) |
| 5 | Retail Tariff Applicable | 28-31 | Slab Wise Import Bill (If Column Number 17 is Net Import) |
| 6 | Sanction Load KVA | 32 | FAC for the Net Imported Units. |
| 7 | Solar Installed KWP | 34 | Electricity Tax at 9% for the Energy Charges (28+29+30+31)*9% |
| 8 | Billing Period | 35 | 20 Paise Captive Tax on Self Consumption (Above 425 KWP) |
| 9 | Reading Date | 36 | Electricity Tax at 9% on TOD Charges |
| 10 | Main Meter/ Check meter serial No | 37 | Rebates TOD Charges |
| 11 | A) Present Reading Bi-Directional meter Import & Export | 38 | Power Factor Penalty (Rs 3 Ps for HT Consumers) (Rs 2 Ps for LT consumers, Max 30 Ps) (To be levied on the total units imported from BESCOM Grid) |
| 11 | B) Previous Reading Bi-Directional meter Import & Export | | |
| 12 | Difference Present & Previous | 41 | Total Deductions |
| 13 | Metering Constant | 42 | Amount payable to consumer after deductions (Gross Bill-Deductions) |
| 14 | Gross Export & Gross Import (12*13) | 43 | TDS 194Q |
| 15 | Sub Meter/Wheeling/Consumption Short Claims | 44 | Amount Credited to Consumer after TDS |
| 16 | Total Export & Total Import (14-15) | 45 | Due Dates |
| 17 | Net Export/Net Import (As the Case May Be) | | |
| 18 | MD Recorded (Displayed in the meter) Both import & Export MD | Note : | TOD rebate/ Penalty shall be levied on actual zone wise consumption before setting off Import & Export |
| 19 | MD (18*13) | | |
| 20 | Conversion from KVA to HP/KW for LT Installations | | |
| 21 | Power Factor | | |
| 22 | Generation Meter Details | | |

Bill Format
SRTPV Bill With TOD
CORPORATE OFFICE SOLAR ROOF TOP CENTRALIZED BILLING CENTER BANGALORE
NET Metering SRTPV Bill For the Month - April-2024

| | | | | | | | | | |
|---|--|--------------------------------|--|--|--|-------------------------|--|----------------------|--|
| 1. SRTPV Meter No. / RRNO | | SRTPV-_____ | | 23. Cost of Purchase | | Without Subsidy 9.56 | | With Subsidy 7.20 | |
| 2. Account ID / Connection ID | | XXXXXXXXXXXX | | 24. Whether the consumer has availed MNRE subsidy (Yes or No) | | NO | | | |
| 3. Consumer Name / Meter-Reader Code | | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | | 25. Gross Amount payable to Consumer | | 846003 | | | |
| 4. Tariff | | AEE | | 26. Fixed/Demand Charges | | KVA | | Charges | |
| 5. Sanctioned Load in KVA | | 800 KVA | | 27. Energy Charges [Units X Rate] | | YES | | | |
| 6. Solar Installed capacity in KWP | | 1000 KWP | | 28. Slab1 | | 0 | | 6.90 | |
| 7. Billing Period | | 01-04-2024 TO 30-04-2024 | | 29. Slab2 | | 0 | | 0.00 | |
| 8. Reading Date | | 01-May-24 | | 30. Slab3 | | 0 | | 0.00 | |
| 9. Bi-Directional Meter SI No (Main/Check) | | Y0234565/66 | | 31. Slab4 | | 0 | | 0.00 | |
| 10. Energy Recorded | | (A) Energy Import | | 32. FAC | | 0 | | 0.16 | |
| 11. Present Reading | | 73.743 | | 33. Total Energy charges (i+ii+iv) + FAC | | | | 0.00 | |
| 12. Previous Reading | | 72.747 | | 34. Electricity Tax @ 9 % for the Energy Charges | | 0.00 | | 0.00 | |
| 13. Difference (11-12) | | 1.00 | | 35. Self / Tax 0.20 on Self Consumption | | 2845.20 | | 569.00 | |
| 14. Energy Import / Export (12X13) | | 5976 | | 36. Electricity Tax @ 9 % for TOD charges | | | | -127.00 | |
| 15. Sub Meter Consumption | | 0 | | 37. Rebates, TOD charges / Rebates, TOD Charges | | | | -1416.00 | |
| 16. Total Consumption (14+15) | | 5976 | | 38. Power Factor Penalty | | | | 896.40 | |
| 17. Net Import / Export | | 0 | | 39. Area / Short Claims / Late Payment Charges/ Penalty/Recovery | | | | 100.00 | |
| 18. Recorded MD | | 0.1524 | | 40. Credits, Adjustments/Round off ady | | | | 0.40 | |
| 19. Total Load in KVA | | 914.40 | | 41. Net Amount to be paid by Consumer (26A+26B+28+29+30+31+32+34+35+36+37+38+39-40) | | | | 349542.00 | |
| 20. Total Load in KW (in Case of LT installations) | | NA | | 42. Net Amount to be paid to by BESCOM 2341 | | | | 496461.00 | |
| 21. Power Factor | | 0.85 | | 43. TDS @ 1% on Cumulative Payments above 50 Lakhs in FY) | | | | 5.00 | |
| 22. SRTPV Meter Details | | | | 44. Amount Paid To Consumer 42+43 | | | | 496461.00 | |
| I. SRTPV Meter SI NO | | 3124739 | | 45. Due Date for Payment | | | | 30-May-24 | |
| II. Present Reading | | 24785.20 | | Rupees Four Lakh NinetySix Thousand Four Hundred SixtyOne Only | | | | | |
| III. Previous Reading | | 24481.09 | | Counter Signed | | | | | |
| IV. Difference (II-III) | | 304.11 | | | | | | | |
| V. Meter Constant | | 320 | | | | | | | |
| VI. Total (4+5) | | 97315 | | | | | | | |
| Average Generation Per Day | | 3.24 | | | | | | | |
| Manager(CBC) | | Assistant General Manager(CBC) | | General Manager (DSM) | | | | | |

| Import Time Zone | Present Reading | Previous Reading | Diff | K | Consumption | TOD EC PER UNIT | TOD TAX |
|-----------------------|-----------------|------------------|------|------|-------------|-----------------|----------|
| Time Zone 1: 06 to 10 | 3116 | 3077 | 0.04 | 6000 | 234.00 | 0 | 0 |
| Time Zone 2: 10 to 18 | 12618 | 12497 | 0.13 | 6000 | 786.00 | 0 | 0 |
| Time Zone 3: 18 to 22 | 22962 | 22667 | 0.29 | 6000 | 1770.00 | 1 | 159.3 |
| Time Zone 4: 22 to 06 | 35037 | 34506 | 0.53 | 6000 | 3186.00 | -1 | -3186.00 |
| Total | 73743 | 72747 | 1.00 | | 5976.00 | | -1416.00 |

| Export Time Zone | Present Reading | Previous Reading | Diff | K | Consumption |
|-----------------------|-----------------|------------------|-------|------|-------------|
| Time Zone 1: 06 to 10 | 145150 | 143150 | 2.00 | 6000 | 12000.00 |
| Time Zone 2: 10 to 18 | 397135 | 383410 | 13.73 | 6000 | 82350.00 |
| Time Zone 3: 18 to 22 | 3120 | 3100 | 0.02 | 6000 | 120.00 |
| Time Zone 4: 22 to 06 | 0.000 | 0.000 | 0.00 | 6000 | 0.00 |
| Total | 545405 | 529660 | 15.75 | | 94470.00 |

41

| | | Main Meter | | Check Meter | | 42 JV Details | | | | | |
|----------------------------------|--|---------------|---------------|---------------|--|---------------|--|--------|--------|-----------|-----------|
| Energy Recorded | | Energy Import | Energy Export | Energy Import | | Energy Export | | Debit | Credit | Debit | Credit |
| Present Reading | | 73.743 | 545.405 | 73.762 | | 535.307 | | 70.520 | - | 846003.00 | |
| Previous Reading | | 72.747 | 529.660 | 72.764 | | 529.567 | | | 23.261 | | 349100.00 |
| Difference | | 0.996 | 15.745 | 0.998 | | 6.740 | | | 46.300 | | 442.00 |
| Meter Constant | | 6000.000 | | 6000.000 | | | | | 46.109 | | 0.00 |
| Total Energy Import / Export | | 5976.000 | 94470.000 | 5988.000 | | 34440.000 | | | 46.924 | | 496461.00 |
| Net Import (Consumption) /Export | | 0.000 | 88494.000 | 0.000 | | 28452.000 | | Total | | 846003.00 | 846003.00 |

LOCATION CODE:759

HEAD OF ACCOUNT:70.5207
PASSED FOR PAYMENT
SRTPV CENTRALIZED BILLING CENTER CORPORATE OFFICE BESCOM
Enforcement
Original/Duplicate

| | | | | | |
|------------------------|----------------------|---|-------------------|--|----------------|
| Account Head | | 70.5207 | | 846003.00 | |
| Bill Passed for Rupees | | Figures:- | | Rupees Eight Lakh FortySix Thousand Three Only | |
| | | Words:- | | | |
| Please Pay towards | Name of the Consumer | Paid through RTGS / NEFT | Gross Bill Amount | Others | Payable Amount |
| | XXXXXXXX | Account Number | 846003.00 | 520.00 | 496461.00 |
| | | A/c No XXXXXXXX IFSC HDFC0000523 HDFC BANK Bangalore | | | |
| TOTAL | | | 846003.00 | -520.00 | 496461.00 |

Rupees Four Lakh NinetySix Thousand Four Hundred SixtyOne Only

CERTIFICATE

1) Certified that the bill have been prepared as per reading furnished by AEE (C.O&M) sub division.
2) Certified that this Bill for the month of AUGUST 2023 Has Not Been Paid at SRTPV CBC earlier.

Manager(CBC) Assistant General Manager(CBC) Assistant General Manager (I/A)

V. TIMELINES:

| Process | Responsibility | Time line |
|--|----------------------------|--|
| Application Registration & Payment of application fees. Application Registration & Payment of application and facilitation fees & online PPA execution in case of deemed applications | Consumer | Zero date |
| Feasibility – For other than deemed applications | Sub division Office | Within 10 days of application registration. |
| Offline Power Purchase Agreement | Consumer & AEE/EE | Within 05 days of Feasibility. |
| Work approval intimation | Sub division Office | Within 07 days of from date of execution of PPA. |
| Installation of SRTPV plant & Intimation of work Completion | Consumer | Within 150 days from Work Approval Intimation letter. |
| Synchronization of SRTPV plant | Consumer & O&M AEE/ MT AEE | <p>Within 05 days from intimation of work approval by Consumer.</p> <p>Note: If SRTPV plant is not synchronized within 05 days from date of work completion report, the concerned officer shall be liable to pay penalty of Rs. 1000 per day till the date of commissioning, to the applicant.</p> <p>After five days of work completion, in case the plant is not commissioned, the consumers are entitled to deemed generation benefits.</p> |
| Billing | Sub division Office | Next billing cycle after date of synchronization |

VI. ILLUSTRATION OF PROCEDURE

ILLUSTRATION FOR NON-SUBSIDY APPLICATIONS

Stage -01: Application Registration

Responsibility: Consumer

Documents Required: Electricity Bill (Scanned copy)

Registration Procedure:

The Consumer has to follow the below listed procedure for registration of application;

- a. Click the link of the online portal of the ESCOM . The links are as tabulated below;

| ESCOM | Portal link |
|--------|---|
| BESCOM | https://bescom.karnataka.gov.in |
| GESCOM | https://gescomsrtpv.in |
| HESCOM | https://hescom.karnataka.gov.in |
| CESC | https://cescmysore.karnataka.gov.in |
| MESCOM | Portal yet to be developed but shall follow procedure as per this guidelines. |

- b. Enter the account id which is printed in the electricity bill. The billing data will be fetched automatically and enter the remaining fields such as proposed solar capacity, type of metering – Net or Gross etc.:
- c. The Consumer will be verified through OTP sent to registered mobile number.
- d. Pay the application fees online using any one of the payment methods displayed on the screen.
- e. Application is considered as registered after payment of application fees.

S RTPV ONLINE SERVICES APPLY ONLINE VIEW STATUS OFFICERS' LOGIN

Apply for a new Solar Rooftop Connection

1 Fetch Account Info 2 Enter Rooftop Info 3 Verify, Register and Pay

Enter your Account ID/Consumer ID to proceed Fetch details

© 2018 - Design By BESCOM 080 2234 0816 solarrooftop@bescom.co.in

Apply for a new Solar Rooftop Connection

1 Fetch Account Info 2 Enter Rooftop Info 3 Verify, Register and Pay

Enter your Account ID/Consumer ID to proceed 122 Fetch details

Application Registration Process

1 Rooftop details 2 Payment 3 Verify & Sign PPA

Note:

1. Complete the Registration process by entering rooftop details, payment & e-sign the Power Purchase Agreement(PPA).
2. Please verify the PPA details before e-sign such as Name, address, proposed capacity, RR no., tariff.
3. Obtain instantly Auto generated PPA approval for successfully registered applicants.
4. For the detailed guidelines/orders click here
5. For any queries Please contact Solar RTPV helpline : 08022340816

Applicant details

Applicant Name: SRINIVASA S O NAGENDRAPPA
 Applicant Address: -UPPANAYAKANAHALLI
 Subdivision code: 5210301
 Subdivision Name:
 RR Number: UPNL2732
 Sanctioned Load / Contract demand: 1.00 kW
 Connection Type: Phase
 Tariff category: - LT-2(A)-R

Rooftop system details

☐ Application for Multiple Installations in the same premise

Type of Scheme* Own Investment Scheme

Type of Grid Connectivity* ☐ Gross Metering ☒ Net Metering

Solar Proposed in kWp* 1

Minimum Shadow free area in Sq. mtr* 10

Type of connection* Single Phase

PIN code* 560058

Latitude of the installation* 12.96977595798365

Longitude of the installation* 77.5848095565918

Locate Latitude & Longitude on Google Map
OR Use my current location

Applicant contact details

Email* agmdsm2@gmail.com Mobile* 9480612458 Send OTP

(OTP will be sent to this Mobile Number)

| | |
|---------------------------------|------------------|
| SGST) | |
| Payment Mode | Credit Card |
| Status | Success |
| Remarks | PGS10001-Success |
| GSTIN | 29AACCB1412G1Z5 |
| GST Service Account Code Number | 998631 |

| Application details | |
|-------------------------------------|-------------------|
| Application No | 1000254011 |
| Type of scheme | Own investment |
| Type of Grid connectivity | Net Metering |
| Solar Proposed in kWp | 3.0 |
| Minimum Shadow free area in Sq. mtr | 250.0 |
| Type of connection | 3 Phase LT |
| PAN | |
| Aadhar Number | |
| Pin code | 560034 |
| Latitude | 12.87894885995952 |
| Longitude | 77.71362984429399 |
| MNRE Subsidy sanctioned or not? | No |

| Account details | |
|-------------------|-----------------|
| Account ID | 4894240559 |
| Applicant Name | |
| Applicant address | |
| City | |
| Pincode | |
| Subdivision code | 140019 |
| Subdivision Name | S11 Subdivision |
| RR Number | S11DL89909 |
| Sanctioned Load | 7.0 kW |
| Connection Type | THREE Phase |
| Tariff category | Domestic - LT2A |

Stage -02: Feasibility

Responsibility: Sub division


As per KERC order dated 22.01.2024, all the solar rooftop applications upto capacity of 150kW are considered as deemed feasible and hence providing feasibility for these applications is not required.

For all other applications, the procedure for providing feasibility is as below;

- a. The Sub Division office has to login to the online portal using their login credentials.
- b. The list of applications for which feasibility is to be provided will be displayed.
- c. Select one application at a time, open the feasibility tab and enter the required details.
- d. After entry of required data in the portal, Feasibility report will be generated automatically.
- e. Download the feasibility report, sign it and upload it.

Facilitation fees:

- a. In case deemed applications, facilitation fees has to paid along with or after registration of application. No feasibility is required.
- b. For all other applications, Consumer has to pay the facilitation fees after feasibility approval.



The screenshot displays the SRTPV ONLINE SERVICES portal. At the top, there is a header with the BESCOM logo, the text "SRTPV ONLINE SERVICES", and navigation links: "APPLY ONLINE", "VIEW STATUS", and "OFFICERS' LOGIN". Below the header, a green bar contains the text "Official Login". The main content area features a large green key icon on the left. To the right of the icon, there are two input fields: "Enter Mobile Number" with the value "9449841568" and "Enter OTP". Below these fields are two buttons: "Send OTP" and "Verify & Login". At the bottom of the page, there is a footer with the text "@ 2018 - Design By BESCOM" and "080 2234 0816 solarrooftop@bescom.co.in". The background of the portal shows a solar panel array on a roof.



SRTPV Applications Registered



Number of Applications registered: 2

| Application Id | Account ID | Subdivision Code | Subdivision Name | RR Number | Registered Date | Status |
|----------------|------------|------------------|------------------|-----------|-----------------|--|
| 1000003541 | 8265141040 | 140017 | S8 BOMMANAHALLI | 8SEH96064 | 01 Oct 2018 | PPA Forwarded To KERC. 13 Nov 2018 |
| 1000002966 | 5450996000 | 140017 | S8 BOMMANAHALLI | S8HT60 | 25 Sep 2018 | Payment Successful. Pending feasibility 25 Sep 2018 |

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080 2234 0816 solarrooftop@bescom.co.in[Application Info](#) [Feasibility](#) [PPA](#) [Work execution](#) [Commissioning](#)

Application No. 1000002966 Proposed Solar capacity in kWp : 202.0

Distribution Transformer Information

DTC location*
DT Code*
DT Capacity in kVA*
Connected Load on DT in kW*
SRTPV capacity already connected in kWp*
SRTPV capacity under progress in kWp*

Feeder Information

Substation Name*
Feeder Name*
Feeder MDM Code
Feeder conductor size in sq mm*
Rated current carrying capacity in Amps*
SRTPV capacity already connected in Amps*
SRTPV capacity under progress in Amps*
SRTPV capacity proposed in Amps*

Feasibility

* Feasible ☐ Partially Feasible ☐ Not Feasible
Application is feasible

Download/Upload

Download Unsigned Feasibility Report
Signed Feasibility Report (PDF < 2MB)



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref:

Asst. Executive Engineer (Ele.)(Com.
O&M),BESCOM, SLN Complex, Bus Stand,
Kengeri, Bangalore-560060

Feasibility Report for SRTPV Application No. 1000052853

Proposed solar capacity: 3.0

This application is registered under SOURA GRUHA YOJANE (SGY) - 2019-2020

| DT Information | |
|--|----------------|
| DTC Location | VBHCS LAYOUT-6 |
| DT Code | 111060401 063 |
| DT Capacity in kVA | 250.0 |
| Connected Load on DT in kW | 179.0 |
| SRTPV Capacity already connected in kW | 0.0 |
| SRTPV Capacity under progress in kW | 0.0 |

| Feeder Information | |
|--|------------------------|
| Substation Name | RAJARAJESHWARINAGAR_66 |
| Feeder Name | F07-BEML-LAYOUT |
| Feeder MDM code | 1140204901010301 |
| Feeder conductor size in sq. mm | 400.0 |
| Rated current carrying capacity in Amps | 286.0 |
| SRTPV capacity already connected in Amps | 113.0 |
| SRTPV capacity under progress in Amps | 0.0 |
| SRTPV capacity proposed in Amps | 13.0 |

| Feasibility | |
|--------------------------|--------------|
| Proposed Application is | Feasible |
| Allowable SRTPV Capacity | 3.0 |
| Remarks | ITS FEASIBLE |

Stage -03 – Execution of Power Purchase Agreement

Responsibility:

- Consumer in case of deemed applications.
- Consumer & O&M AEE /EE for all other applications.

For Deemed Applications:

- a. The online signing of PPA will enabled after payment of facilitation fees.
- b. The Consumer has to Digitally sign the online PPA using Adhar Number and the phone number linked to Adhar (For OTP).

For other applications:

- a. PPAs to be executed on offline mode on Rs. 500 value non-judicial stamp paper. The PPA has to be executed between Consumer and designated ESCOM official, who shall sign the PPA on behalf of ESCOMs.
- b. For capacities upto 500kWp, the PPAs shall be executed by the Assistant Executive Engineer(Ele) of O & M Sub-Division and above 500kWp capacities, the PPAs shall be executed by the Executive Engineers of O&M divisions.
- c. The Assistant Executive Engineer(Ele) of O & M Sub-Division is PPA approval authority upto 500kWp capacities of SRTPV plants and for SRTPV plants of capacities more than 500kWp and upto 1000kWp, the Corporate Office of respective ESCOM is the approval authority.
- d. The approval of the KERC shall be obtained for capacities of more than 1000kWp and for any deviation from standard format.

If a Consumer requests for installation of additional solar capacity, the present PPA shall be canceled and new PPA shall be executed for 25 years with PPA rate being 90% of PPA tariff or present tariff, whichever is lower,

The Sub division / Division office shall issue OM for cancellation of present PPA.

Note: In case of additional SRTPV capacity, for deciding the PPA authority, the total of already commissioned and proposed plant capacity shall be considered.

The screenshot displays the 'SRTPV ONLINE SERVICES' web portal. At the top, there is a navigation bar with the ESCOM logo, the text 'SRTPV ONLINE SERVICES', and a user profile section for 'ASSISTANT EXECUTIVE ENGINEER(ELE), O & M SUBDIVISION' with a 'LOGOUT' link. Below the navigation bar, there are five tabs: 'Application Info', 'Feasibility', 'PPA' (which is highlighted in red), 'Work execution', and 'Commissioning'. The main content area shows 'Application No. 1000002966' and 'Feasible Solar capacity in kWp : 100.0'. Under the 'PPA Information' section, there are input fields for 'Agreed Rate*' (3.56), 'PPA Signed Date*' (06/12/2018), and 'Signed PPA (PDF < 2MB)' with a 'Choose File' button and a file named 'Work_Ap...13).pdf'. There is also a text area for 'PPA accepted.' and two buttons at the bottom: 'Submit PPA' and 'Reject Application'.

SRTPV ONLINE SERVICES

ASSISTANT EXECUTIVE ENGINEER(ELE), S8 SUBDIVISION LOGOUT

Application Info Feasibility **PPA** Work execution Commissioning

Application No. 1000002966 Feasible Solar capacity in KWP : 100.0

| | |
|------------------------------|-----|
| Agreed Rate | 1.0 |
| Initiator Remarks | aa |
| Forwarding authority Remarks | |
| Approving authority Remarks | |

Download PPA Download Work Approval Letter

Stage -04 – Work Approval Intimation

Responsibility: Sub division

- a. Work approval intimation letter is automatically generated and emailed to registered email after online execution of PPA/Uploading of PPA document in case of off-line PPA.
- b. The work approval intimation shall also include intimation for change of meter and if required change of HT metering cubicle.

Stage -05 – Work Completion Intimation

Responsibility: Consumer

Consumer has to the following;

- a. Login to ESCOM SRTPV portal using “Track Status” option with application number and registered mobile number.
- b. Enter the details of panels and inverters in work completion tab of the application.
- c. The Consumer has to enter Bank details and upload copy of the PAN card and cancelled bank cheque copy.
- d. After work completion, the Consumer will be prompted for SPPA, if the installed capacity is different from PPA capacity and is within the sanctioned load of the Consumer.

- In case deemed feasible application, online SPPA has to be done.
 - In case of other applications, the sub division has to raise ticket through portal for capacity correction.
 - Status of application has to be reverted to feasibility stage by the IT team, once the ticket is raised from sub division.
 - The revised feasibility has to be provided for installed capacity.
 - Offline SPPA has to be executed once revised feasibility is provided.
- e. Submit the details through OTP verification.
- f. As KERC tariff orders, the Consumer has to complete the work within 150 days from date of work approval intimation.

| Application Info | | | | Work Completion | | | | Commissioning | | | |
|---|---|-----------------------|--------------------------------|--------------------------------------|---------------------------------------|---|------------------------------------|---------------------------------------|--|--|--|
| Application No. 1000005553 | | | | Feasible Solar capacity in kWp : 1.0 | | | | | | | |
| The work of installation of SRTPV system is completed and I would like to submit the following information for your kind needful. | | | | | | | | | | | |
| Solar PV Module | | | | | | | | | | | |
| Sl No. | Make of the PV Module | Type of the PV Module | Capacity of each module in kWp | No. of Modules | Sl. No of Modules (Comma separated) | Total capacity of this make, type & capacity | Add | Delete | | | |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add"/> | <input type="button" value="Delete"/> | | | |
| | | | | | | Total PV Panel capacity (in kWp) 0 | | | | | |
| Inverter | | | | | | | | | | | |
| Sl No. | Make of the Inverter | Type of the Inverter | Capacity of the Inverter (VA) | No. of Inverters | Sl. No of Inverters (Comma separated) | Total capacity of this make, type & capacity | Add | Delete | | | |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="button" value="Add"/> | <input type="button" value="Delete"/> | | | |
| | | | | | | Total Inverter capacity (in VA) 0 | | | | | |
| Bi-directional meter details (Test report of bi-directional meter issued by MT division, BESCOM to be uploaded) | | | | | | | | | | | |
| Sl. No | Particulars | | | | | Main Meter | | | | | |
| 1 | Make | | | | | <input type="text"/> | | | | | |
| 2 | Type | | | | | <input type="text"/> | | | | | |
| 3 | Sl. No. | | | | | <input type="text"/> | | | | | |
| 4 | Phase | | | | | <input type="text"/> | | | | | |
| 5 | CT Ratio | | | | | <input type="text"/> | | | | | |
| 6 | PT Ratio | | | | | <input type="text"/> | | | | | |
| 7 | Date of Test by MT Division | | | | | <input type="text"/> | | | | | |
| 8 | Meter Testing Report (PDF less than 2 MB) | | | | | <input type="button" value="Choose File"/> No file chosen | | | | | |

Work Execution details of of SRTPV Application No. 1000028266

Solar PV Module

| Sl No | Make | Type | Capacity of each module in kWp | No. of Modules | Sl. No of Modules (Comma separated) | Total capacity of this make, type & capacity |
|-------|--------|-----------------|--------------------------------|----------------|-------------------------------------|--|
| 1 | WAAREE | Monocrystalline | 370.0 | 94 | ATTACHED | 34780.0 |

Inverter

| Sl No | Make | Type | Capacity of Inverter (VA) | No. of Inverters | Sl. No of Inverters (Comma separated) | Total capacity of this make, type & capacity |
|-------|----------------------------------|--------|---------------------------|------------------|---------------------------------------|--|
| 1 | M/s Solar Edge Tech Ltd., Israel | String | 27.6 | 1 | SJ5118-07E155378-5E | 27.6 |

DC Cables

| Sl No | Make | Type | Size |
|-------|---------|--------|------|
| 1 | SIECHEM | COPPER | 4.0 |

AC Wiring

| Sl No | Make | Type | Size |
|-------|---------|--------|------|
| 1 | FINOLEX | COPPER | 16.0 |

DC Distribution Box

| Sl No | Make | Sl no. of DC Distribution Box | DC Surge Protection Device | MCB/Isolator capacity | MCB/Isolator quantity |
|-------|--------|-------------------------------|----------------------------|-----------------------|-----------------------|
| 1 | HENSEL | 00 | CITEL | 63.0 | 0 |

AC Distribution Box

| Sl No | Make | Sl no. of AC Distribution Box | DC Surge Protection Device | MCB/Isolator capacity | MCB/Isolator quantity |
|-------|--------|-------------------------------|----------------------------|-----------------------|-----------------------|
| 1 | HENSEL | 00 | CITEL | 63.0 | 2 |

Earthing details

| | |
|--|------|
| Earth Resistance (Less than 50 ohms) | 3.1 |
| Size of the Earth flat (3 x 70 sq mm galvanized iron flat) | 25.0 |
| Modules & DC Surge arrester | YES |
| Inverter & AC Surge arrester | YES |
| Lightning Arrester | YES |

Bidirectional Main Meter

| | |
|-----------------------------|-------------------------|
| Make | M/s Secure meters |
| Type | ELECTRO TRIVECTOR METER |
| Serial No | XE470909 |
| Phase | Three Phase |
| CT Ratio | 1.0 |
| PT Ratio | 1.0 |
| Date of Test by MT division | 24 Sep 2019 |

Bidirectional Check Meter

| | |
|-----------------------------|-------------------------|
| Make | M/s Secure meters |
| Type | ELECTRO TRIVECTOR METER |
| Serial No | XE470911 |
| Phase | Three Phase |
| CT Ratio | 1.0 |
| PT Ratio | 1.0 |
| Date of Test by MT division | 24 Sep 2019 |

Caution Signs

| | |
|------------------------|-----|
| Panels | YES |
| Inverters | YES |
| DC/AC distribution box | YES |

Switch

| | |
|--|-----|
| Provision of manual and automatic switch | Yes |
|--|-----|

System installer details

| | |
|--------------------------------------|----------------------|
| System Installer Firm Name | ECOSCH SOLAR PVT LTD |
| System Installer Firm License Number | 0000 |

Certified that the above said SRTPV system was installed by me and the equipment's used comply the Technical and Safety standards issued by BESCOM.

Report submitted on : 16 Mar 2021 07:04:20 PM

This is a system generated letter and doesn't require signature



Stage -06 – Synchronization:

Responsibility: Consumer & ESCOM O&M AEE/EE and MT official.

- The sub division/division is required to login to portal, verify the work completion details entered by Consumer and generate the synchronization certificate.
- In case of SRTPV applications of more than 17.5kW, the Pre-Commissioning test has to be done by MT Officers and they have to enter Meter details in the portal using their credentials.
- The SRTPV plant Commissioning & Synchronizing Authority:

| Sl. No. | Capacities | ESCOM Officers authorized for synchronization |
|---------|-----------------------------|--|
| 1 | 1kW to 17.5kWp | Assistant Executive Engineer(Ele), O & M Sub-Division |
| 2 | Above 17.5kW to upto 500kWp | Assistant Executive Engineer(Ele), O & M Sub-Division in co-ordination with Meter Testing (MT) staff |
| 3 | Above 500kWp | Executive Engineer(Ele), O & M Division in Co-ordination with Meter Testing (MT) staff. |

| Application Info | Work Completion | Commissioning | | | | | | |
|--|------------------------------|------------------------|--------------------------------|----------------|-------------------------------------|--|-----|--------|
| Application No. 1000005668 Feasible Solar capacity in kWp : 0.9 | | | | | | | | |
| Feasibility Commissioning | | | | | | | | |
| Note: 1. The Bi-directional meter records solar generation and existing meter records installation consumption in case of Gross metering. 2. The Bi-directional meter records export of solar energy to grid and Import of energy by the installation. Existing meter records the total solar energy generated. | | | | | | | | |
| Note: The following verification has to be done scrupulously during field inspection: 1. Verify the sl no. nos of modules and capacity of each panel with agreed capacity in the Power purchase agreement. In case of any variation SPPA shall be made. 2. Verify the details of grid tied inverters and meters. 3. In case any changes / modifications or observations to be made/ attended by the consumer the same shall be returned back to consumer to attend the same (by clicking the return button along with reasons). 4. The SPPA shall be made in case of delay in commissioning. 5. The SRTPV plant shall be synchronized with 5 days from the date of submission of work completion or after attending the observations whichever is later. 6. The other norms of the SRTPV tariff order / Regulation issued from time to time is applicable. | | | | | | | | |
| Work Declaration Details Download | | | | | | | | |
| Meter Information | | | | | | | | |
| Bi-Direction Meter (Main)* | | Existing Meter* | | | | | | |
| Meter make: | M/s Genus Power Infrastructu | | | | | | | |
| Meter phase: | Three Phase | Three Phase | | | | | | |
| Meter Type | ELECTRO TRIVECTOR METER | | | | | | | |
| Serial number | 123 | | | | | | | |
| Meter constant | 1.0 | | | | | | | |
| Initial reading (Tri vector parameters) Import | | | | | | | | |
| Initial reading (Tri vector parameters) Export | | | | | | | | |
| Solar PV Module | | | | | | | | |
| Sl. No. | Make of the PV Module | Type of the PV Module | Capacity of each module in kWp | No. of Modules | Sl. No of Modules (Comma separated) | Total capacity of this make, type & capacity | Add | Delete |
| 1 | gfdgdf | Mono | 0.9 | 1 | gdf | 0.9 | + | - |
| Total PV Panel capacity (in kWp) 0.9 | | | | | | | | |

| Grid Tied Inverter | | | | | | | | | |
|-------------------------------------|----------------------|----------------------|-----------------------|------------------------|-------------------------------|------------------|---------------------------------------|--|---|
| Sl No. | Make of the Inverter | Type of the Inverter | Input voltage (volts) | Output voltage (volts) | Capacity of the Inverter (VA) | No. of Inverters | Sl. No of Inverters (Comma separated) | Total capacity of this make, type & capacity | Add Delete |
| 1 | fgfd | Micro | | | 1.0 | 1 | dfgdf | 1.0 |   |
| Total Inverter capacity (in VA) 1.0 | | | | | | | | | |

| Inspection Details | |
|---|--|
| Pincode | 560001 |
| District of the installation | 525,BENGALURU URBAN |
| Latitude of the installation* | 12.971533 |
| Longitude of the installation* | 77.59906 |
| Locate Latitude & Longitude on Google Map OR Use my current location | |
| Whether Anti-islanding feature is in working condition ?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is DC earthing verified?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is AC earthing verified?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is LA earthing verified?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is AC & DC DB available?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is Manual Switch on solar side available?* <input type="radio"/> Yes <input type="radio"/> No | |
| Is Relay operated automatic switch at net-meter side available?* <input type="radio"/> Yes <input type="radio"/> No | |
| Date of Inspection | |
| Photo of the plant along with the Prosumer (JPEG file < 2 MB) | <input type="button" value="Choose File"/> <input type="button" value="No file chosen"/> |
| Date of synchronizing with BESCO grid | |
| Synchronization Voltage Level | |
| Remarks not exceeding 1000 characters | |
| <input type="button" value="Return to Work Completion"/> <input type="button" value="Submit"/> | |

Stage -07 – Accounting & Billing

Responsibility: AE (Technical) of the sub division

- After generating the synchronization certificate, the AE(T) of the sub division has to hand over the PPA to accounting unit in case of offline PPA.
- The AAO of the sub division will also be provided with login credentials.
- No hard copies of the documents except for PPA in case of offline PPA are to be collected Consumer / Installer. If required, documents are to be downloaded by AE(T)/AAO using their login credentials.

Note: Billing format to be followed across all ESCOM is as below.

SRTPV Bill Description with TOD billing

| | | | |
|----|--|---|---|
| 1 | RR No | 23 | Cost of Purchase (PPA Rates) |
| 2 | Account ID/Connection ID | 24 | Availing of Subsidy (Yes/No) |
| 3 | Name & Address | 25 | Gross Amount Payable (Net Export *PPA Rate) |
| 4 | Meter Reader Code | 26 | A) Demand Charges B) MD Penalty (If any) |
| 5 | Retail Tariff Applicable | 28-31 | Slab Wise Import Bill (If Column Number 17 is Net Import) |
| 6 | Sanction Load KVA | 32 | FAC for the Net Imported Units. |
| 7 | Solar Installed KWP | 34 | Electricity Tax at 9% for the Energy Charges (28+29+30+31)*9% |
| 8 | Billing Period | 35 | 20 Paisa Captive Tax on Self Consumption (Above 425 KWP) |
| 9 | Reading Date | 36 | Electricity Tax at 9% on TOD Charges |
| 10 | Main Meter/ Check meter serial No | 37 | Rebates TOD Charges |
| 11 | A) Present Reading Bi-Directional meter Import & Export | 38 | Power Factor Penalty (Rs 3 Ps for HT Consumers) (Rs 2 Ps for LT consumers, |
| 11 | B) Previous Reading Bi-Directional meter Import & Export | | Max 30 Ps) (To be levied on the total units imported from BESCO Grid) |
| 12 | Difference Present & Previous | 41 | Total Deductions |
| 13 | Metering Constant | 42 | Amount payable to consumer after deductions (Gross Bill-Deductions) |
| 14 | Gross Export & Gross Import (12*13) | 43 | TDS 194Q |
| 15 | Sub Meter/Wheeling/Consumption Short Claims | 44 | Amount Credited to Consumer after TDS |
| 16 | Total Export & Total Import (14-15) | 45 | Due Dates |
| 17 | Net Export/Net Import (As the Case May Be) | | |
| 18 | MD Recorded (Displayed in the meter) Both import & Export MD | Note : TOD rebate/ Penalty shall be levied on actual zone wise consumption before setting off Import & Export | |
| 19 | MD (18*13) | | |
| 20 | Conversation from KVA to HP/KW for LT Installations | | |
| 21 | Power Factor | | |
| 22 | Generation Meter Details | | |

SRTPV Bill With TOD
CORPORATE OFFICE SOLAR ROOF TOP CENTRALIZED BILLING CENTER BANGALORE
NET Metering SRTPV Bill For the Month - April-2024
Bill Format
ಬೆಂಗಳೂರು ವಿಶ್ವ ಶಾಲೆಯಲ್ಲಿ ಕಂಪನಿ ನಿರ್ಮಿತ
SRTPV Bill With TOD
BR No
Date
Pan No
23
24
25
26A
26B
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
Average Generation Per Day
3.24
Manager(BCU)
Assistant General Manager(BCU)
General Manager (USM)

| Import Time Zone | Present Reading | Previous Reading | Diff | K | Consumption | TOD EC PER UNIT | TOD TAX |
|----------------------|-----------------|------------------|-------------|------|----------------|-----------------|----------------|
| Time Zone 1 06 to 10 | 3 116 | 3 077 | 0.04 | 6000 | 234.00 | 0.00 | 0 |
| Time Zone 2 10 to 18 | 12 628 | 12 497 | 0.13 | 6000 | 786.00 | 0.00 | 0 |
| Time Zone 3 18 to 22 | 22 962 | 22 667 | 0.29 | 6000 | 1770.00 | 1770.00 | 159.3 |
| Time Zone 4 22 to 06 | 35 037 | 34 506 | 0.53 | 6000 | 3186.00 | -3186.00 | -286.74 |
| Total | 73.743 | 72.747 | 1.00 | | 5976.00 | -1416.00 | -127.00 |

| Export Time Zone | Present Reading | Previous Reading | Diff | K | Consumption |
|----------------------|-----------------|------------------|--------------|------|-----------------|
| Time Zone 1 06 to 10 | 145 150 | 143 150 | 2.00 | 6000 | 12000.00 |
| Time Zone 2 10 to 18 | 397 135 | 383 410 | 13.73 | 6000 | 82350.00 |
| Time Zone 3 18 to 22 | 3 120 | 3 100 | 0.02 | 6000 | 120.00 |
| Time Zone 4 22 to 06 | 0.000 | 0.000 | 0.00 | 6000 | 0.00 |
| Total | 545.405 | 529.660 | 15.75 | | 94470.00 |

| Main Meter | | | Check Meter | | |
|------------------------------|-----------------|------------------|-----------------|------------------|--|
| Energy Recorded | Energy Import | Energy Export | Energy Import | Energy Export | |
| Present Reading | 73 743 | 545.405 | 73 762 | 535 307 | |
| Previous Reading | 72 747 | 529 660 | 72 764 | 529 567 | |
| Difference | 0.996 | 15.745 | 0.998 | 5.740 | |
| Meter Constant | 6000 000 | | 6000 000 | | |
| Total Energy Import / Export | 5976.000 | 94470.000 | 5988.000 | 34440.000 | |
| | 0.000 | 88494.000 | 0.000 | 28452.000 | |

| 42 JV Details | | | |
|---------------|----------|-----------|-----------|
| Debit | Credit | Debit | Credit |
| 70 520 7 | - | 846003.00 | |
| | 23 261 7 | | 349100.00 |
| | 46 300 7 | | 442.00 |
| | 46 109 7 | | 0.00 |
| | 46 924 7 | | 496461.00 |
| Total | | 846003.00 | 846003.00 |

LOCATION CODE:759

HEAD OF ACCOUNT:70.5207

PASSED FOR PAYMENT

SRTPV CENTRALIZED BILLING CENTER CORPORATE OFFICE BESCOM

Enforcement

Original/Duplicate

| Account Head | | 70.5207 | | 846003.00 | | | | | |
|------------------------|----------------------|---|----------------|--|------------|--------------|-----------------|----------------|-----------|
| Bill Passed for Rupees | | Figures :- | | Rupees Eight Lakh FortySix Thousand Three Only | | | | | |
| | | Words :- | | | | | | | |
| Please Pay towards | Name of the Consumer | Paid through RTGS / NEFT | Account Number | Gross Bill Amount | Deductions | | | Payable Amount | |
| | | | | | Others | Arrears+ Int | Electricity Tax | | |
| | XXXXXXXX | A/c No XXXXXXXXXX IFSC HDFC0000523 HDFC BANK Bangalore | 846003.00 | -520.00 | 100.00 | 442.00 | 349520.00 | 496461.00 | |
| | | | | | | | | | |
| | | TOTAL | | | 846003.00 | -520.00 | 100.00 | 442.00 | 349520.00 |
| | | Rupees Eight Lakh NinetySix Thousand Four Hundred SixtyOne Only | | | | | | | |

CERTIFICATE

- 1) Certified that the bill have been prepared as per reading furnished by AEE (C.O&M) sub division.
- 2) Certified that this Bill for the month of AUGUST 2023 Has Not Been Paid at SRTPV CBC earlier.

Manager(CBC)

Assistant General Manager(CBC)

Assistant General Manager (I/A)

ILLUSTRATION OF PROCEDURE FOR SUBSIDY APPLICATIONS

Stage -01: Application Registration

Responsibility: Consumer

- a. At present subsidy is available only for domestic category Consumers who are willing to install solar rooftop plants under PM Surya Ghar Scheme.
- b. For installation of solar rooftop plants under PM Surya Ghar Scheme, the Consumers are required to register their application and apply through National Portal using the link : <https://www.pmsuryaghar.gov.in/>
- c. Consumers are required to register under the PM Surya Ghar scheme by following the instructions on the website. After registration, Consumers are required to apply for installation of solar rooftop plant.
- d. Once the application registration process is complete in PM Surya Ghar portal, the Consumers should note down the Registration Reference number generated by the portal for continuing application process in ESCOMs portal.
- e. For continuing application process in ESCOMs portal, the Consumers are required to click the link displayed at ESCOMs website and enter the Registration Reference number generated by the PM Surya Ghar portal.
- f. Once, the Registration Reference number is entered in ESCOMs portal, the data from PM Surya Ghar portal will be fetched automatically and Consumers will be verified by ESCOMs portal through OTP sent to registered mobile number.
- g. After verification, the Consumers are required to pay application fees online through ESCOMs portal for further processing the application.

Stage -02: Feasibility

- a. The feasibility process in ESCOMs portal is same as that in case of Non-subsidy applications. The same procedure shall be followed.
- b. Feasibility in MNRE portal will be updated once the Power Purchase Agreement is executed.

Stage -03 – Execution of Power Purchase Agreement

- a. The execution of Power Purchase Agreement procedure is same as that in case of Non Subsidy application.
- b. PM Surya Ghar Portal portal does not have provsion for PPA uploading and hence PPA shall be executed online / offline PPA shall be uploaded in ESCOMs portal only.

Stage -04 – Work Approval Intimation

- a. The Work Approval Intimation procedure is same as that in case of Non Subsidy application.
- b. No separate work approval intimation will be communicated through PM Surya Ghar Portal.

Stage -05 – Work Completion Intimation

- a. The Consumer has to entry work completion details such as panel wattage and inverter details in PM Surya Ghar Portal using tgheir login credentials.
- b. After entering work completion details in PM Surya Ghar Portal, Consumera required to Login to ESCOM SRTPV portal using "Track Status" option with application number and registered mobile number.
- c. Enter the Registration Reference code in Work completion tab and the details will be fetched automatically from PM Surya Ghar Portal.
- d. Enter the additional information as in case of Non-subsidy application and submit the work completion detilas and confirm the same through OTP verifiaction.

Stage -06 – Synchronization:

The Work Synchronization procedure is same as that in case of Non Subsidy application.

Stage -07 – Handing over the documents to accounting unit:

The Work Synchronization procedure to be followed is same as that in case of Non Subsidy application.

Stage -08 – Billing:

The Billing procedure to be followed is same as that in case of Non Subsidy application.


General Manager (Ele.)
DSM, Corporate Office,
K.R. Circle, Bengaluru-01.

