



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref: 3165

Asst. Executive Engineer (Ele.)(Com.
O&M),BESCOM, Anekal Road, Attibele, Near
Canara Bank, Anekal Taluk, Bangalore-562104
Date: 30.07.2025 11-08-25

To,

N KRISHNA REDDY

SY.NO 361/1 MADIVALA562106

Madam/Sir,

Sub: Certificate of synchronization of your SRTPV system

Ref: Application Reg No. 1000642941 dated 26.06.2025

Synchronization test of Solar Rooftop PV system of 2.08 kWp, installed on the roof of your installation bearing RR No.: BDM46769 has been conducted and your SRTPV system successfully synchronized with the BESCOM grid at 400 voltage level on 30.07.2025

Yours Faithfully

sd/-

Assistant Executive
Engineer(Ele)
Attibele Subdivision
, BESCOM.



Bangalore Electricity Supply Company Limited

(wholly owned Government of Karnataka undertaking)

Commissioning & Synchronizing report of SRTPV system (Net / Gross metering)

A		Consumer Details		
		Krishna Reddy N		
		LT 1		
		BDM46769		
B		Bi-directional Meter		Existing meter
Meter Details		Main Meter	Check Meter	
1	Meter make: 1ph / 3 ph ✓	Genus	-	HPL
2	Type	Electro Static		Electro Static
3	Serial number	JA97558		53122838
4	Capacity	5A-30A		5A-30A
5	Meter constant	01		01
6	Initial reading (Tri vector parameters)			
	i) Import	1.50	Fr = 8391.7 kwh	
	ii) Export	0.7		
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.				
C		Grid Tied Inverter		
1	Make	Sofar		
2	Serial number	SA3ES42205C347		

**POWER PURCHASE AGREEMENT(PPA) FOR ROOFTOP SOLAR PV PLANTS
WITH NET METERING**

This Power Purchase agreement is entered into at Attibele Subdivision on this 26 Day of June 2025 between Bangalore Electricity Supply Company Limited (BESCOM), a Government of Karnataka undertaking, being a Company formed and incorporated in India under the Companies Act-1956, with its registered office located at Bangalore, Karnataka State, represented by BESCOM AEE Attibele Subdivision hereinafter referred to as the "BESCOM", (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns), as party of the first part

AND

N KRISHNA REDDY the consumer of BESCOM residing at SY.NO 361/1 MADIVALA562106 (SY.NO 361/1 MADIVALA562106), hereinafter, referred to as the "Seller" (which expression shall, unless repugnant to the context or meaning thereof, include his successors and permitted assigns) as party of the second part.

Whereas,

a. The Seller intends to connect and operate the Solar Roof Top Photo Voltaic (SRTPV) system with BESCOM's HT/LT Distribution system for sale of Solar Power to BESCOM, in terms of the Karnataka Electricity Regulatory Commission (KERC) Order determined for the period from 01.04.2025 to 31.03.2026

b. The Seller intends to install a SRTPV system of 2.0 kWp capacity on the existing roof top of the premises, situated at SY.NO 361/1 MADIVALA562106 (SY.NO 331/1 MADIVALA562106) and bearing number RR. No BDM46769 in the same premises, under Attibele Subdivision of BESCOM.

c. The Seller intends to sell the energy, generated from the SRTPV system to BESCOM on net metering basis, from the date of commissioning of the SRTPV system.

Explanation: the 'Commissioning' means the stage at which the SFTPV system starts generating the power for the use by the Seller and injects surplus power if any, into the grid.

d. BESCOM intends to purchase the energy, generated by such SRTPV system, on Net-metering basis, at the tariff determined by the KERC. Now therefore in consideration of the foregoing premises, the parties, hereto, intending to be legally bound, hereby agree as under:

1. Technical and Interconnection Requirements.

Seller shall ensure his SRTPV system complies with the following technical and interconnection requirement and shall:



1.1 Comply with the applicable standards and conditions, in respect of integrating the SRTPV system with the distribution system.

1.2 Connect and operate the SRTPV system to BESCO's distribution system, in accordance with the State Grid Code, and distribution Code as amended from time to time.

1.3 Install, prior to connection of SRTPV system to BESCO's distribution system, an inverter with an automatic inbuilt isolation device

1.4 Provide external manual isolation mechanism with suitable locking facility, so that SRTPV system will not back-feed into the BESCO's network in case of power outage of the BESCO's distribution system, and it shall be accessible for BESCO to operate, if required, during maintenance / emergency conditions.

1.5 Install all the equipment of SRTPV system compliant with relevant International (IEEE/IEC) and Indian standards (BIS).

1.6 (a) The SRTPV system shall be designed, engineered and constructed and operated by the Seller or any other person on his behalf, with reasonable diligence, subject to all applicable Indian Laws, Rules, Regulations as amended from time to time and orders having the force of law.

(b) The Seller, shall commission the SRTPV system, within 180 days from the date of approval of the PPA.

1.7 Adhere to the following power quality measures, as per the International and Indian standards and/or such other measures stipulated by KERC/BESCO:

i) Harmonic current: Harmonic current injections from a generation unit shall not exceed the limits specified in IEEE 519.

ii) Voltage at the injection point should be in the operating range of 80% to 110% of the nominal connected voltage.

2. Safety:

The Seller, shall comply with the following safety measures:

2.1 The Seller shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations, 2010.

2.2 The Seller shall ensure that, the design, installation, maintenance and operation of the SRTPV system, are in a manner conducive to the safety of the SRTPV system, as well as the BESCO's distribution system.

2.3 If the Seller's SRTPV system either, causes damage to and/or produces adverse effects on the other consumer's or BESCO's assets, Seller will disconnect SRTPV system immediately, from the distribution system, by himself or upon directions from the BESCO and rectify the same at his own cost before reconnection.

3. Clearances and Approvals



The Seller shall obtain BESCO's and other statutory approvals and clearances before connecting the SRTPV system to the distribution system.

4. Access and Disconnection

4.1 BESCO shall have access to metering equipment and disconnecting device of SRTPV system, both automatic and manual, at all times.

4.2 In emergency or outage situation, where there is no access to a disconnecting device either, automatic or manual, the BESCO shall have the right to disconnect power supply to the premises.

5. Liabilities

The Seller, shall be solely responsible for availing any fiscal or other incentive provided by the State/ Central government, at his own expenses.

6. Commercial Settlement-

6.1 Tariff:

a. The BESCO shall pay for the net energy at Rs 2.25 per kWh, as determined by the KERC order dated: 16.06.2025 for term of this agreement

b. If for any reason the date of commissioning is delayed, beyond the date of commissioning agreed. The tariff payable by the BESCO 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.

c. The Seller, shall pay the Electricity tax and other statutory levies, pertaining to SRTPV generation, as may be levied from time to time.

d. The Seller shall not have any claim for compensation, if the Solar power generated by his SRTPV system could not be absorbed by the distribution system due to failure of power supply in the grid/ distribution system for the reasons, such as line clear, load shedding and line faults, whatsoever.

7. Metering:

7.1 The Seller, shall arrange to shift the existing meter to the generation side of SRTPV plant to measure solar power generation and install Bi-directional meter (whole current CT operated) at the point of interconnection to the distribution system, at a suitable place in the premises, accessible for recording export of energy, from the SRTPV system to the grid and import of energy to the premises of the consumer from the grid. The bi-directional meter, shall comply with the Central



Electricity Authority (Installation and operation of meters) Regulations, 2006 and shall have the following features:

- i. Separate registers, for recording export and import energy with facility to download by Meter Reading Instrument (MRI).
- ii. kVA, kW and kVAR measuring registers for both import and export.
- iii. The Meter shall have RS232 (or higher) communication optical port / Radio Frequency (RF) port to support Automatic Meter Reading (AMR).

NOTE: In case the consumer installs solar panel on multiple buildings, the consumer shall abide to the guidelines issued by the KERC order dated: 02.03.2023 and BESCOCOM guidelines dated: 28.07.2023 regarding Evacuation/Utilization of Solar Energy Generation at LT/HT voltage and connect to their LT/HT system such as Modems, Telemetry application control application etc.

8. BILLING AND PAYMENT:

8.1 BESCOCOM shall issue monthly electricity bill for the net energy on the scheduled date of meter reading.

8.2 In case the exported energy is more than the imported energy BESCOCOM shall pay for the net energy exported, as per the Tariff agreed in this agreement, within 30 days from the date of issue of bill, duly adjusting the fixed charges and electricity duty, if any.

8.3 In case, the exported energy is less than the imported energy, the Seller shall pay BESCOCOM for the Net energy imported as per the prevailing retail supply tariff, determined by the Commission from time to time.

8.4 The BESCOCOM shall pay interest at the same rates, as is being levied on the consumers, for late payment charges, in case of any delay in payment beyond 30 (thirty) days period from the date of issue of bill, for the Net energy exported.

Explanation: Net metered energy means the difference of meter readings of energy injected by the SRTPV system into the grid (export) and the energy drawn from the grid for use by the Seller (import,) recorded in the bi-directional meter

9. Term and Termination of the Agreement:

9.1 This agreement shall be in force for a period of 25 years from the date of commissioning of the SRTPV system, unless terminated otherwise, as provided here under:

9.2 If the BESCOCOM commits any breach of the terms of the Agreement, Seller shall serve a written notice specifying the breach and calling upon the BESCOCOM to remedy/ rectify the same, within 30 (thirty) days or at such other period and at the expiry of 30 (Thirty) days or such other period from the delivery of the notice, Seller may terminate the agreement by delivering the termination notice, if the BESCOCOM fails to remedy/ rectify the same.

9.3 If the Seller commits any breach of the terms of the Agreement, BESCOCOM shall serve a written notice specifying the breach and calling upon the Seller to remedy/ rectify the same within 30



(thirty) days or at such other period and at the expiry of 30 (Thirty) days or such other period from the delivery of the notice, the BESCOM may terminate the agreement by delivering the termination notice, if the Seller fails to remedy/ rectify the same.

9.4 Upon termination of this Agreement, Seller shall cease to supply power to the distribution system and any injection of power shall not be paid for by the BESCOM.

10. Dispute Resolution:

All the disputes between the parties arising out of or in connection with this agreement shall be first tried to be settled through mutual negotiation.

The parties shall resolve the dispute in good faith and in equitable manner.

In case of failure to resolve the dispute, either of the parties may approach the appropriate Forum.

Signature valid

Digitally signed by N. Anand Reddy
Date: 2025.06.26 15:05:15 (IST)
Reason: Agreement Executed
Location: Karnataka



Signed by BESCOM
Date: 2025.07.04 17:07:49
Reason: Signing
Location: Attibie

