







ಟಾಮುಂಡೇಶ್ವರಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ನಿಗಮ ನಿಯಮಿತ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ) ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್(ವಿ) ರವರ ಕಛೇರಿ ಚಾ.ವಿ.ಸ.ನಿ.ನಿ, ವಾ.ಕಾ ಮತ್ತು ಪಾ ಉಪವಿಭಾಗ

ಯಳಂದೂರು-571441

Telephone.No: 08226-240042



CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED (A Government of Karnataka Undertaking)

O/o The Asst Executive Engineer (Ele) CESC, C. O&M C.Sub Division

Yalandur-571441

Web Site: www.cescmysore.org. E-mail ID:aeecescyalandur@gmail.com

Company Identity Number [CIN]:-U40109KA2004SGC035177

ಕ್ರಮಾಂಕ: ಸ.ಕಾ.ನಿ.ಇಂ(ವಿ)/ಸಇಂ(ವಿ)/ಯ.ಉ/23-24/ ೩೩६८ -74 ಲಗತ್ತು:

ದಿನಾಂಕ:- 12-09-23

# Format - 9A

SECRETORY, SRI BILIGIRIRANGASWAMY SAMSKARANA SANGA B.R.HILLS.

## Madam/Sir,

Sub: Certificate of synchronization of your 15 kWP SRTPV system reg.

1. Application Reg. No 1000007627 Dtd: 24.07.2023 Ref:

PPA executed date.08.08.2023

3. KERC approval letter No.01.04.2023 dated:31.03.2024

Synchronization test of Solar Rooftop PV system of 15 kWp, installed on the roof of your installation bearing RR No YP-1095 has been conducted and your SRTPV system successfully synchronized with the CESC grid at 240 voltage level on 08/09/2023.

Yours faithfully,

AEE/Executive Engineer(Ele), O&M sub-div/division, maineesche man

# Copy submitted to:

- 1. Chief Engineer (Electy), O & M Zone, CESC Mysuru
- 2. General Manager (Commercial), Corporate Office, CESC, Mysuru-570017.
- 3. Superintending Engineer (Elec), O&M Circle, CESC Mysuru
- 4. Deputy General Manager(EBC), Corporate Office, CESC, Mysuru-570017.
  - 5. Executive Engineer, O & M Division, Kollegala CESC.
  - 6. Executive Engineer, MT division Mysuru.

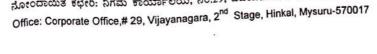
MF/OC

Note: The file along with all the documents is to be sent to revenue section for billing purpose.

ನೋಂದಾಯಿತ ಕಛೇರಿ: ನಿಗಮ ಕಾರ್ಯಾಲಯ, ನಂ.29, ವಿಜಯನಗರ, 2 ನೇ ಹಂತ, ಹಿನಕಲ್, ಮೈಸೂರು-570017

Registered

Page 110







# INDIA NON JUDICIAL

# **Government of Karnataka**

Certificate No. IN-KA50997394655260V

Certificate Issued Date 08-Aug-2023 12:45 PM

Account Reference NONACC (FI)/ kacrsfl08/ YELANDUR2/ KA-C Unique Doc. Reference SUBIN-KAKACRSFL0877474441308719V

: SECRETARY SRI BILIGIRIRANGASWAMY SAMSKARANA SANGA Purchased by

Description of Document : Article 12 Bond

Description : POWER PURCHASE AGREEMENT

Consideration Price (Rs.) : 0

(Zero)

: ASSISTANT EXECUTIVE ENGINEER CESCOM YELANDUR First Party

: SECRETARY SRI BILIGIRIRANGASWAMY SAMSKARANA SANGA Second Party

: SECRETARY SRI BILIGIRIRANGASWAMY SAMSKARANA SANGA Stamp Duty Paid By

Stamp Duty Amount(Rs.) (Two Hundred only).

सत्यमव जयत







Please write or type below this line

# POWER PURCHASE AGREEMENT FOR ROOFTOP SOLAR PV PLANTS WITH **NET METERING**

This Power Purchase Agreement is entered into at cescom Yelandur on this 08/08/2023 between Chamundeshwari Electricity Supply Corporation Limited (CESC), Mysuru, a Government of Karnataka undertaking, being a Company formed and incorporated in India under the Companies Act, 1956, with its registered officeat Mysuru, Karnataka State, represented by Assistant Executive Engineer (Ele) Yelandur

**ಹತ್ತಕ್ಕಿಸ್ತಾಮಿ** 

ಅಂದುರಾಜನಗರ ಅಲ್ಲ-57144



hereinafter, referred to as the "CESC, Mysuru", (which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns), as party

AND

Secretary Sri Biligiritangaswamy Samskarana Sanga B R Hills the consumer of CESC, Mysuru, residing at Yeraganagadde Colony Biligirirangana Betta Yelandur Taluk Chamarajanagara Dist 571441 ereinafter, referred to as the "Seller (whichexpression 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 CESC's HT/LT, Distribution system for sale of the Solar Power to CESC, Mysuru, in terms of the Karnataka Electricity Regulatory Commission's (KERC) Order No. 01/04/2023 to dated: 31/03/2024
- b. The Seller intends to install a SRTPV system of 15 kWp capacity on the existingroof top of the premises, situated at Secretory, Sri Biligirangaswamy Samskarana Sanga, B.R.Hills and bearing RR. No.YP1065 in the same premises, under Yelandur Sub-Division of CESC, Mysuru.
- c. The Seller intends to sell the energy, generated from the SRTPV system to CESC, Mysuruon net-metering basis, from the date of commissioning of the SRTPV system. Explanation: The 'Commissioning' means the stage at which the SRTPV system starts generating the power for the use by the Seller and injects surplus power if any, into the grid.
- d. CESC, Mysuru 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:

Technical and Interconnection Requirements:

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Seller shall ensure his SRTPV system complies with the following, technical and interconnection requirements 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 CESC'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 CESC's distribution system, an inverter with an automatic inbuilt isolation device.
- 1.4 Provide external manual isolation mechanism with sultable locking facility, so that SRTPV system will not back-feed into the CESC's network, in case of poweroutage of the CESC's distribution system, and It shall be accessible for CESC, Mysuru to operate, if required, during maintenance/emergency conditions.
- 1.5 Install all the equipment of the SRTPV system, compliant with relevant International (IEEE/IEC) and Indian Standards (BIS).

1.6 (a) The SRTPV system shall be designed, and the structed and operated

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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 six months from the date of approval of PPA.

- 1.7 Adhere to the following power quality measures, as per the International and Indian standards and/or such other measures, stipulated by the KERC/CESC, Mysuru:
  - a. Harmonic current: Harmonic current injections from a generation unit shall not exceed the limits specified in IEEE 519.
  - b. Voltage at the injection point should be in the operating range of 80% to 1 10%, of the nominal connected voltage.
  - c. Flicker: Operation of Photovoltaic system shouldn't cause voltage flicker in excess of the limits stated in the relevant sections of the IEC standards or other equivalent Indian standards, if any.
  - d. Frequency: When the system frequency exceeds the upper limit, specified in the IEGC as amended from time to time, the SRTPV system shall shift to island mode.

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ತ್ತಿ ಕಾಳಗಿಕರಂಗಸ್ವಾಮಿ ಹೋಅಗರ ಸಂಸ್ಥರಣ ಸಂಘ ಯಕಂದೂರು ತಾಲ್ಲೂಕು presionantid eg 571 441

- e. DC Injection: Photovoltaic system, should not inject DC power more than 0.5% of full rated output at the interconnection point or 1% of rated inverter output current into distribution system, under any operating conditions.
- f. Power Factor: While the output of the inverter is greater than 50%, a lagging power factor of greater than 0.9, shall be maintained.
- g. The SRTPV system, in the event of voltage or frequency variations must island/disconnect itself, as per the IEGC/KEGC Regulations, within the stipulated period.

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

### 3. Clearances and Approvals:

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

# 4. Access and Disconnection

- 4.1 CESC, Mysurushall have access to metering equipment and disconnecting deviceof 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 CESC, Mysuru 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.

#### Commercial Settlement

6.1 Tariff:

Karnataka Electricity Regulatory Commission

ಚಾ,ವಿಸನಿನಿ, ಯಳಂದೂರು ಉಪವಿಭಾಗ.

Page 4 ಕಾರ್ಯದಶಿಕ As senedorizan ಹೋಆಗರ ಸಂಸ್ಥರಣ ಸಂಘ ಯಕಂದೂರು ತಾಲ್ಲೂಕು edicendrid eq 571.44)

- a. The CESC, Mysuru shall pay for the Net energy at Rs 3.74 per kWh, asdetermined by the KERC in the Order dated 01/03/2023 for the 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 ESCOM, shall be lower of the:
  - i. Tariff agreed to in this agreement.

OR

 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. TheSeller, 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 systemdue 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:
  - 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 of energy.
  - The Meter, shall have RS232 (or higher) communication optical port / Radio Frequency (RF) port to support Automatic Meter Reading (AMR).

### 8. BILLING AND PAYMENT:

8.1 CESC, Mysuru, 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, the CESC,

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ಶ್ರೀ ಹಳಗಿರಿರಂಗಸ್ವಾಮಿ ಹೋಆಗರ ಸಂಸ್ಥರಣ ಸಂಘ ಯಶತಗದ ಅರೂನಿ. ಜಾಗಿರಿರಂಗಸರೆಕ್ಟ ಯಶಂದೂರು ಹಾಲ್ಲೂಕು ಜಾಮರಾಣಸಗರ ಇಲ್ಲಿ-571,441

- Mysurushall pay for the net-energy exported, as per 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 CESC, Mysuru for the net-energy imported, as per the prevailing retail supply tariff, determined by the Commission from time to time.
- 8.4 The CESC, Mysuru 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-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 CESC, Mysuru commits any breach of the terms of the Agreement, Seller shall serve a written notice specifying the breach and calling upon the CESC, Mysuru 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 CESC, Mysurufails to remedy/ rectify the same.
- 9.3 If the Seller, commits any breach of the terms of the Agreement, the CESC, Mysuru 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 CESC, Mysuru 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 CESC, Mysuru.

# 10. Dispute Resolution:

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

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 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 theappropriate Forum.

IN WITNESS WHEREOF, the Seller and the CESC, Mysuru have entered into this Agreement to be executed as of the date and the year first set forth above.

FOR AND ON BEHALF OF CHAMUNDESHWARI ELECTRICITY SUPPLY CORPORATION LIMITED	FOR AND ON BEHALF OF SELLER
(CESC), MYSURU	By: Syphola.
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Name: S. P. Ramesh Designation: OVY, Single	WITNESS In Presence of Name: MANTONATI Designation: Appropriate the second seco