

ಚಾಮುಂಡೇಶ್ವರಿ ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು
ನಿಗಮ ನಿಯಮಿತ,
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯತೆಗೆ ಒಳಪಟ್ಟಿದೆ)
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ, ವರುಣ ಉಪವಿಭಾಗ,
ಚಾ.ವಿ.ಸ.ನಿ.ಮೈಸೂರು - 570010
Telephone : 0821-2599633



CHAMUNDESHWARI ELECTRICITY
SUPPLY CORPORATION LIMITED
(A Government of Karnataka Undertaking)
Assistant Executive Engineer, O & M
VarunaSub Division.
CESC, Mysuru-570010
Web Site : www.cescmysore.org
Email ID: acecescvaruna@gmail.com

Company Identity Number (CIN):-U40109KA2004SGC035177

ಕ್ರಮಾಂಕ : ಸಕಾಇಂ(ಎ)/ಸಇಂ(ತಾ)/2023-24/ 796

ದಿನಾಂಕ : 31.05.2023

To,
Provincial Superior,
#156, Rammanahalli
Mysuru.
Madam/Sir,


Sub: Certificate of synchronization of your 15kWp SRTPV system under NET METERING BASIS.

Ref: 1. Application Reg. No SRT-03 Dtd: 27/03/2023

2. PPA Execution date: 28/03/2023

Synchronization test of Solar Rooftop PV system of 15 kWp, installed on the roof of your installation bearing RR No: MSNML42995 has been conducted and your SRTPV system has been found satisfactory and successfully synchronized with the CESC grid at 240V voltage on 20.05.2023.
SRT-07

Yours faithfully,


Assistant Executive Engineer (Ele)
O&M sub-division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ, ವರುಣ ಉಪವಿಭಾಗ
ಚಾ.ವಿ.ಸ.ನಿ.ಮೈಸೂರು, CESC

Copy to:

1. General Manager (Commercial), Corporate Office, CESC, Mysuru-570017
2. EEE, O&M NRM div, CESC, Mysore
3. OC/MF

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

Registered Office : Corporate Office, #29, Vijayanagara, 2nd Stage , Hinkal, Mysuru-570017

ಕೇಶರಿ ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು
ನಿಯಮಿತ,
ಕಾರ್ತಿಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ
ಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ, ವರುಣ ಉಪವಿಭಾಗ,
ಚಾ.ವಿ.ಸ.ನಿ.ಮೈಸೂರು - 570017
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CHAMUNDESHWARI ELECTRICITY
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(A Government of Karnataka Undertaking)
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Email ID: aeecevaruna@gmail.com

Company Identity Number (CIN):-U40109KA2004SGC035177

ಕ್ರಮಾಂಕ : ಸಕಾಂ(ಎ)/ಸಂ(ತಾ)/2022-23/ 7813

ದಿನಾಂಕ 29.03.2023

TO,
PREVINCIAL SUPERIOR
#156, RAMMANAHALLI

Madam/Sir,

- Sub: Approval for installing Solar RTPV system of 15kWp Capacity to the installation bearing RR No MSNML42995 under Net metering.
- Ref: 5. Application Reg. No SRT-03 Dtd: 27.03.2023
6. Revenue Report of AAO Varuna O&M Sub-Division, CESC dated: 27.03.2023
7. Technical feasibility Report of SO MELLALLI O&M section, CESC Mysore dated: 27.03.2023
8. PPA executed date.: 28.03.2023

With reference to your application, Approval is herewith accorded, after verifying the Technical feasibility Report submitted by Section Officer, Varuna O& M Section, CESC vide ref (3) and as per PPA executed for installing Solar RTPV system of 15kWp on the rooftop of your existing installation bearing RR No MSNML42995 with sanctioned load of 20kW under Net Metering for the Net energy at Rs 3.19per kwh with the following conditions:

13. As per CEA guidelines, 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.
14. You can select reputed system installer of your choice, who has experience in design, supply, installation and commissioning of SRTPV system.
15. Up gradation of infrastructure, if required, (service main, meter with CT, upgrade) up to the grid connectivity point is to be done at your cost.
16. Technical and Interconnection Requirements of the equipment's shall be as per the Clause (1) of PPA vide ref (4) and **Annexure-1** (enclosed).
17. The work of grid connectivity shall be carried out in accordance with the Net- metering schematic diagram available in CESC website.



18. In Net -Metering system, 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 of SRTPV plant to measure solar power generation.
19. Both the meters shall be within the same proximity and easily accessible for taking monthly reading by the meter reader.
20. 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 20 kWp.
21. As per KERC (Implementation of Solar Rooftop Photovoltaic Power Plants) Regulations, 2016 clause 5(3), the SRTPV plant shall be commissioned within 180 days from the date approval PPA i.e. **within 24/09/2023**

Note:

- a. SRTPV capacities from **1kWp to 499 kWp** - Within 180 days from the date of PPA.
 - b. SRTPV capacities **500kWp & above upto 2000kWp** - As specified in the KERC approval letter.
22. After completion of the work in all respects, you have to submit the work completion report in **Format - 8** along with following documents:
- a. Test reports of PV modules and other equipment's (except Grid tied inverter and bi-directional meter) as per IS/ IEC standards.
 - b. Test certificate of Bi-directional meter issued by MT division, CESC.
 - c. 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.
23. CESC, Mysuru will not be held responsible for any legal disputes between the applicant and SRTPV system installer arising out of the contract.
24. **All the terms and conditions mentioned in the Power Purchase Agreement (PPA) vide ref(4) shall be complied.**

The SRTPV system is to be commissioned within stipulated period as stated above, failing which the approval will be terminated.

Yours faithfully,

AEE (Ele)

O&M Sub-Div, VARUNA

CESC, Mysuru

ಕಾರ್ಯದರ್ಶಿ, ವಾರುಣಾ (ಎ)
ಹಾ.ವಿ.ಸ.ನಿ.ನಿ., ಮರಾಠಾ ಉಪವಿಭಾಗ
ಮೈಸೂರು.

Copy:

1. Main File / Office Copy



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 200

e-Stamp

Certificate No. : IN-KA26370230640878V
Certificate Issued Date : 28-Mar-2023 12:49 PM
Account Reference : NONACC (FI)/ kacrsf108/ NANDINI LAYOUT1/ KA-MY
Unique Doc. Reference : SUBIN-KAKACRSFL0837654984618624V
Purchased by : PREVINCIAL SUPERIOR
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
 (Zero)
First Party : A E E CESE VARUNA SUB DIVISION
Second Party : PREVINCIAL SUPERIOR
Stamp Duty Paid By : PREVINCIAL SUPERIOR
Stamp Duty Amount(Rs.) : 200
 (Two Hundred only)



RS. 200

Please write or type below this line

STANDARD FORMAT OF POWER PURCHASE AGREEMENT FOR ROOFTOP SOLAR PV PLANTS WITH NET METERING

This Power Purchase Agreement is entered into at **Varuna, Mysore** on this **28th, Tuesday** Day of **March 2023** between Chamundeshwari Electricity Supply Corporation Limited (CESC), Mysore, Government of Karnataka undertaking, being a Company formed and incorporated in India under the Companies Act, 1956, with its registered office at Mysore, Karnataka State, represented by **Assistant Executive Engineer, Varuna Sub-division Chamundeshwari Electricity Supply Corporation**

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at 'www.shilestamp.com' or using e-Stamp Mobile App of Stock Holding Corporation of India.
2. The onus of checking the legitimacy is on the user of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

PRESIDENT
SOCIETY OF THE CARMELITE SISTERS
OF ST. TERESA
Manadevapura Road, Rammanahalli Post,
MYSURU-570 019

Limited 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 of the first part

AND

The Society of the Carmelite Sisters of St. Teresa Provisional House the consumer of CESC, Mysore, residing at # **156, Mahadevapura road, Rammanahalli, Mysore District – 570019**, 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 CESC's HT/LT, Distribution system for sale of the Solar Power to CESC, Mysore, in terms of the **Karnataka Electricity Regulatory Commission's (KERC) Order No. S/03/01 dated:18.05.2018. to FY 2022 – 2023 dated 18.08.2021 BESCOM/No. BC-51/2021-22/Cys-21 dated 03.09.2021**
- b. The Seller intends to install a SRTPV system of **15kWp** capacity on the existing roof top of the premises, situated at **The Society of the Carmelite Sisters of St. Teresa Provisional House, # 156, Mahadevapura road, Rammanahalli, Mysore District – 570019** and bearing **RR No : MSNML42995. Account Id: C111531171** in the same premises, under **Varuna** Sub-Division of CESC, Mysore.
- c. The Seller intends to sell the energy, generated from the SRTPV system to CESC, Mysore on 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 KERK.

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 requirements and shall:


ಸಹಾಯಕ ಕಾರ್ಮಿಕರ ಸಂಘದ ಅಧ್ಯಕ್ಷರು (ಎ)
ಜಿ.ಎ.ಸ.ಸಿ.ಸಿ., ಪರಣಿ ಉಪವಿಭಾಗ
ಮೈಸೂರು.


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- 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 suitable locking facility, so that SRTPV system will not back-feed into the CESC's network, in case of power outage 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, 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 six months (180days) 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 110%, 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 IECG as amended from time to time, the SRTPV system shall shift to island mode.


ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಸಿ)
ಜಾ.ವಿ.ಪ.ನಿ.ನಿ., ಪರಗಾ ಉಪವಿಭಾಗ
ಮೈಸೂರು


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- 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.

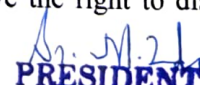
3. Clearances and Approvals:

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, Mysore 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 CESC, Mysore shall have the right to disconnect power supply to the premises.


ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಶಾ.ವಿ.ಸ.ನಿ.ವಿ., ವರದಾ ಉಪವಿಭಾಗ
ಮೈಸೂರು.


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Mahadevapura Road, Rammanahalli Post,
MYSURU-570 019

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:

e. a. The CESC, Mysuru shall pay for the Net energy at Rs 3.19 per kWh, as determined by the KERC in the Order dated (KERC) Order No. S/03/01 dated:18.05.2018. to FY 2022 – 2023 dated 18.08.2021 BESCOM/No. BC-51/2021-22/Cys-21 dated 03.09.2021 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

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


ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಆರ್.ವಿ.ಸಿ.ವಿ.ವಿ., ವರುಣ ಉಪವಿಭಾಗ
ಮೈಸೂರು.


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MYSURU-570 019.

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 of energy.
- iii. 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, Mysuru shall 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.


ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಹಾಗೂ ಇಂಜಿನಿಯರ್ (ಸಿ)
ಚಾ.ಎ.ಸ.ನಿ.ನಿ., ಪರಮಾ ಉಪವಿಭಾಗ
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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, Mysuru fails 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 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.

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.


ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ)
ಜಾ.ವಿ.ಸ.ವಿ.ವಿ., ವರುಣ ಉಪವಿಭಾಗ
ಮೈಸೂರು.


PRESIDENT
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OF ST. TERESA
Mahadevapura Road, Rammanahalli Post,
MYSURU-570 019

FOR AND ON BEHALF OF
CHAMUNDESHWARI ELECTRICITY
SUPPLY CORPORATION LIMITED
(CESC), MYSURU

FOR AND ON BEHALF OF SELLER

By:

Designation:

Address:

WITNESS

In Presence of

Name:

Designation:

ASHISH K. PETER

WITNESS

In Presence of

Name:

Designation:

PRESIDENT

**SOCIETY OF THE CARMELITE SISTERS
OF ST. TERESA**

Mahadevapura Road, Rammanahalli Post
MYSURU-570 019

By: The Society of the Carmelite St.
Teresa Provisional House

RR No: MSNML42995.

Account ID: C111531171.

Address: # 156, Mahadevapura road,
Rammanahalli, Mysore District – 570019.

WITNESS

In Presence of

Name:

Designation:

PRESIDENT

**SOCIETY OF THE CARMELITE SISTERS
OF ST. TERESA**

Mahadevapura Road, Rammanahalli Post,
MYSURU-570 019

WITNESS

In Presence of

Name:

Designation:

BURSAR

St. Teresa's Provincial House

Mahadevapura Road
Rammanahalli P.O.,
Mysuru - 570 019