

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

AH Memorial Education Trust the consumer of BESCOM residing at KIADB, Industrial Area, No.21/1, Dibbur Village Hesaraghatta Hobli, Bangalore North Taluk Bangalore – 560084 . hereinafter referred to as the "Seller" (which expression shall, unless repugnant to the context or meaning thereof, include its 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 dated: **18.08.2021**

The Seller intends to install a SRTPV system of existing **230.12 KWP (Two Thirty Point One Two)** capacity on the existing roof top of the premises situated at **AH Memorial Education Trust** the consumer of **BESCOM** residing at **No.21/1, Dibbur Village Hesaraghatta Hobli, Bangalore North Taluk Bangalore – 560084** Karnataka and number **RR. No. YHT212, ACC ID NO-1089020029** in the same premises under "**Assistant Executive Engineer (ELE),C,O&M Yalahanka Sub Division BESCOM**",

b) 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 SRTPV system starts generating the power for the use by the Seller and injects surplus power if any, into the grid.

c) 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 BESCOM's distribution system, in accordance with the State Grid code, and distribution Code as amended from time to time.



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- 1.3. Install, prior to connection of SRTPV system to BESCO's distribution system, an inverter with an automatic inbuilt isolation devise.
- 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 a six month 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.
 - III) Flicker: Operation of Photovoltaic system shouldn't cause voltage flicker in excess of the limits stated in the relevant sections of IEC standards or other equivalent Indian standards, if any.
 - IV) 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.
 - V) 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.
 - VI) Power Factor: While the output of the inverter is greater than 50%, a lagging power factor of greater than 0.9 shall be maintained.

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17/6/2012

- VII) The SRTPV system in the event of voltage or frequency variations must island/disconnect itself as per 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 BESCOM'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 BESCOM's assets, Seller will disconnect SRTPV system immediately from the distribution system by himself or upon directions from the BESCOM and rectify the same at his own cost before reconnection.

3. Clearances and Approvals

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

4. Access and Disconnection

4.1 BESCOM 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 BESCOM shall have the right to disconnect power supply to the premise.

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 BESCOM shall pay for the net energy at **Rs.3.19 (Three Point One Nine) per KWh** as determined by the **KERC in the Order dated: 18.08.2021**, for the term of this agreement.
- b. If 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:
3. Tariff agreed to in this agreement
OR
4. Any revised Tariff, determined by the Commission, prevailing on the date of commissioning
OR
5. 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 Bidirectional 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. 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 BESCOM shall issue monthly electricity bill for the net energy on the scheduled date of meter reading.


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C,O&M C7 Sub Division, BESCOM
Yelahanka. BANGALORE - 560 064



8.2 In case, the exported energy is more than the imported energy, BESCO shall pay for the net energy exported as per Tariff agreed in this agreement within 30 days from 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 BESCO for the net energy imported as per the prevailing retail supply tariff determined by the Commission from time to time.

8.4 The BESCO 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 BESCO commits any breach of the terms of the Agreement, Seller shall serve a written notice specifying the breach and calling upon the BESCO 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 BESCO fails to remedy/ rectify the same.

9.3 If the Seller commits any breach of the terms of the Agreement, BESCO 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 BESCO 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 BESCO.

10. Dispute Resolution:


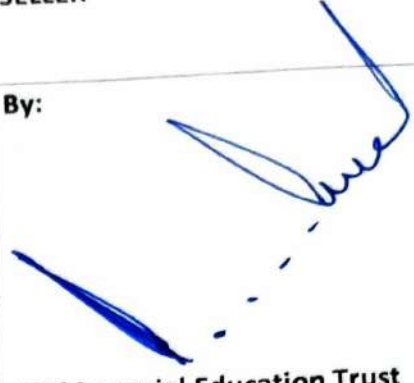

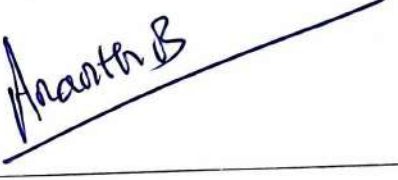
All the disputes between the parties arising out of or in connection with this agreement shall be first tried to be settled through mutual negotiation.



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.

Asst. Executive Engineer (L-1)
C,O&M C7 Sub Division, BESCO
Yelahanka. BANGALORE - 560 064

Handwritten signature
5/2022

Bangalore Electricity Supply Company Limited For	SELLER
By: Designation: Address:  Asst. Executive Engineer (Ele) C.O&M C7 Sub Division: BESCOM Yelahanka, BANGALORE - 560 064	By:  AH Memorial Education Trust RR No.YHT212, ACC ID No. - 1089020029 Address: KIADB, Industrial Area, No.21/1, Dibbur Village, Hesaraghatta Hobli, Bangalore North Taluk, Bangalore - 560084
1. WITNESS In Presence of: Designation: Address: ಕಾರ್ಯಕ ಅಭಿಯಂತರರು (ತಾಂತ್ರಿಕ) ೩-7 ಉಷ್ಣವಿಭಾಗ, ಯಲಹಂಕ ಬಿ.ಎ.ಕಂ, ಬೆಂಗಳೂರು-64	1. WITNESS In Presence of Name: Berean Moidin Badruddin Mohammed 
2. WITNESS In Presence of Designation: Address:	2. WITNESS In Presence of Name: Ananth Bhat 


 REGISTRAR




BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Wholly owned Govt. of Karnataka Undertaking

Ref:

Asst. Executive Engineer (Ele.)(Com.
O&M),BESCOM, Opposite Yelahanka Police
Station, BellaryRoad, Yelahanka Old Town,
Bangalore- 560064
Date: 08.12.2022

To,

AH Memorial Education Trust

No 21/1, Dibbur VillageHessaraghatta HobliBangalore North Taluk

Madam/Sir,

Sub: Certificate of synchronization of your SRTPV system

Ref: Application Reg No. 1000213462 dated 14.06.2022

Synchronization test of Solar Rooftop PV system of 230.12 kWp, installed on the roof of your installation bearing RR No.: YHT212 has been conducted and your SRTPV system successfully synchronized with the BESCOM grid at 400 voltage level on 07.12.2022

Yours Faithfully

sd/-

Assistant Executive
Engineer(Ele)

C7 Subdivision, BESCOM

Janna
REGISTRAR
PRESIDENCY UNIVERSITY
BANGALORE



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

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Summary of SRTPV Application No. 1000213462

There is already 230.12Kwp solar Capacity Commissioned on this Account ID

Applicant contact details	
Email Id	acc-exe- blk@presidency.edu.in
Mobile Number	9743827110

Payment Details	
Transaction ID	WHMP1214517418
Transaction Date	14-Jun-2022 08:07:23 PM
Transaction Reference Number	273021225891
Amount Paid	17700.0 (inclusive of taxes)
Taxes (CGST & SGST)	2700.0
Payment Mode	Debit Card
Status	Success
Remarks	PGS10001-Success
GSTIN	29AACCB1412G1Z5
GST Service Account Code Number	998631

Application details	
Application No	1000213462
Type of scheme	Own investment
Type of Grid connectivity	Net Metering
Solar Proposed in kWp	230.12
Minimum Shadow free area in Sq. mtr	3437.0
Type of connection	3 Phase HT
PAN	
Aadhar Number	
Pin code	560089
Latitude	13.196579
Longitude	77.53868
MNRE Subsidy	No

Account details	
Account ID	1089020029
Applicant Name	AH Memorial Education Trust
Applicant address	No 21/1, Dibbur VillageHessaraghatta HobliBangalore North Taluk
City	
Pincode	
Subdivision code	140041
Subdivision Name	C7 Subdivision
RR Number	YHT212
Sanctioned Load	400.0 kVA
Connection Type	THREE Phase
Tariff category	Educational Institutions - HT2C



sanctioned or not?	
Wish to avail MNRE Subsidy?	No
Registered Date	14-Jun-2022 08:06:11 PM

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Sanna
REGISTRAR
PRESIDENCY UNIVERSITY
BANGALORE



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

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Commissioning details of of SRTPV Application No. 1000213462

Meters

	Bi-directional Main Meter	Bi-directional Check Meter	Existing Meter
Make	M/s. L&T Ltd	M/s. L&T Ltd	M/s L&T Ltd
Type	ELECTRO TRIVECTOR METER	ELECTRO TRIVECTOR METER	ELECTRO TRIVECTOR METER
Phase	Three Phase	Three Phase	Three Phase
Meter constant	2000.0	2000.0	2000.0
Initial Reading (Import)	0.217	0.193	2401.3
Initial Reading (Export)	0.122	0.121	2383.88

Solar PV Panels

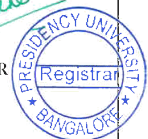
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Inverter

Sl No	Make	Type	Input Voltage	Output Voltage	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.,	String	400.0	400.0	66.0	1	SJ172207E0502B83D	66.0

Inverter

Is Anti-Islanding feature Available ?	Yes
Is DC earthing verified ?	Yes
Is AC earthing verified ?	Yes
Is LA earthing verified ?	Yes
Is AC & DC DB available ?	Yes
Is Manual Switch on solar side available ?	Yes
Is Relay operated automatic switch at net-meter side available ?	Yes
Date of Inspection	01 Dec 2022
Date of Synchronization to BESCOM grid	07 Dec 2022
Synchronization Voltage Level	400

Report submitted on : 08 Dec 2022 07:47:42 PM

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

Sanna
REGISTRAR



REGISTRAR
PRESIDENCY UNIVERSITY
BANGALORE

Work Execution details of of SRTPV Application No. 1000213462

Solar PV Module

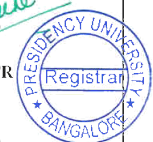
SI No	Make	Type	Capacity of each module in kWp	No. of Modules	SI. No of Modules (Comma separated)	Total capacity of this make, type & capacity
1	ORB	Mono	0.44	523	Module SI No OFPB72FD44531 OFPB72FD44585 OFPB72FD44924 OFPB72FD44925 OFPB72FD45103 OFPB72FD45225 OFPB72FD45232 OFPB72FD45234 OFPB72FD45236 OFPB72FD45237 OFPB72FD45238 OFPB72FD45239 OFPB72FD45240 OFPB72FD45243 OFPB72FD45244 OFPB72FD45245 OFPB72FD45247 OFPB72FD45248 OFPB72FD45253 OFPB72FD45255 OFPB72FD45256 OFPB72FD45257 OFPB72FD45297 OFPB72FD45298 OFPB72FD45299 OFPB72FD45300 OFPB72FD45301 OFPB72FD45302 OFPB72FD44207 OFPB72FD44510 OFPB72FD44923 OFPB72FD44927 OFPB72FD44928 OFPB72FD44930 OFPB72FD44931 OFPB72FD44932 OFPB72FD44933 OFPB72FD44936 OFPB72FD45020 OFPB72FD45233 OFPB72FD45258 OFPB72FD45262 OFPB72FD45263 OFPB72FD45266 OFPB72FD45288 OFPB72FD45294 OFPB72FD45295 OFPB72FD45296 OFPB72FD45305 OFPB72FD45306 OFPB72FD45307 OFPB72FD45308 OFPB72FD45309 OFPB72FD45310 OFPB72FD45311 OFPB72FD45313 OFPB72FD44961 OFPB72FD44974 OFPB72FD44999 OFPB72FD45008 OFPB72FD45009 OFPB72FD45010 OFPB72FD45011 OFPB72FD45012 OFPB72FD45013 OFPB72FD45014 OFPB72FD45024 OFPB72FD45025 OFPB72FD45224 OFPB72FD45226 OFPB72FD45227 OFPB72FD45228 OFPB72FD45229 OFPB72FD45230 OFPB72FD45231 OFPB72FD45246 OFPB72FD45291 OFPB72FD45314 OFPB72FD45320 OFPB72FD45324 OFPB72FD45325 OFPB72FD45326 OFPB72FD45330 OFPB72FD45331 OFPB72FD44934 OFPB72FD44935 OFPB72FD44937 OFPB72FD44938 OFPB72FD45091 OFPB72FD45211 OFPB72FD45241 OFPB72FD45242 OFPB72FD45250 OFPB72FD45251 OFPB72FD45252 OFPB72FD45261 OFPB72FD45267 OFPB72FD45268 OFPB72FD45269 OFPB72FD45270 OFPB72FD45271 OFPB72FD45274 OFPB72FD45275 OFPB72FD45277 OFPB72FD45278 OFPB72FD45279 OFPB72FD45284 OFPB72FD45285 OFPB72FD45286 OFPB72FD45289 OFPB72FD45290 OFPB72FD45292 OFPB72FD45088	230.12


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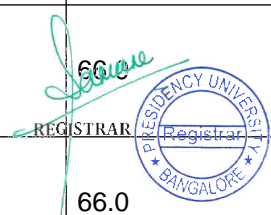
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Inverter

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.,	String	66.0	1	SJ172207E0502B83D	66.0
2	M/s. Solar Edge Tech Ltd.,	String	66.0	1	SJ172207E0502B237	66.0
3	M/s. Solar Edge Tech Ltd.,	String	66.0	1	SJ162207E050031B4	66.0



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DC Cables

SI No	Make	Type	Size
1	POLYCAB	MULTISTAND	4.5

AC Wiring

SI No	Make	Type	Size
1	POLYCAB	ARMOURED	3.5

DC Distribution Box

SI No	Make	SI no. of DC Distribution Box	DC Surge Protection Device	MCB/Isolator capacity	MCB/Isolator quantity
1	ORB	0815,0816,0817	1000	15.0	17

AC Distribution Box

SI No	Make	SI no. of AC Distribution Box	DC Surge Protection Device	MCB/Isolator capacity	MCB/Isolator quantity
1	ORB	4047	CS ELECTRIC	125.0	400

Earthing details

Earth Resistance (Less than 50 ohms)	49.0
Size of the Earth flat (3 x 70 sq.mm galvanic iron flat)	210.0
Modules & DC Surge arrester	YES
Inverter & AC Surge arrester	YES
Lightning Arrester	YES

Bidirectional Main Meter

Make	M/s. L&T Ltd
Type	ELECTRO TRIVECTOR METER
Serial No	21009164
Phase	Three Phase
CT Ratio	10.0
PT Ratio	0.0
Date of Test by MT division	17 Sep 2022

Bidirectional Check Meter

Make	M/s. L&T Ltd
Type	ELECTRO TRIVECTOR METER
Serial No	21009170



Phase	Three Phase
CT Ratio	10.0
PT Ratio	0.0
Date of Test by MT division	17 Sep 2022

Caution Signs

Panels	YES
Inverters	YES
DC/AC distribution box	YES

Switch

Provision of manual and automatic switch :	Yes
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System installer details

System Installer Firm Name	ORB ENERGY PRIVATE LTD
System Installer Firm License Number	U31909KA2006TC040346

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

Report submitted on : 22 Sep 2022 05:59:22 PM

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

Sanne
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