

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Government of Karnataka Undertaking)



Phone: 0824-2424149
e-mail: aee_no1@yahoo.in
GST No: 29AADCM7029H1ZA

Ref No:AEE(E)/AET/F64/22-23/56

Office of the
Assistant Executive Engineer(Elect).
Attavar Sub-Division, MESCOM,
Attavara, Mangalore
Date 30 APR 2022



To,

The President,
Shyam Rao Foundation,
Subhashnagar,
Mangaladevi,
MANGALORE.

Madam/Sir,

RR.No.JEH31533

Sub: Execution of Power Purchase Agreement (PPA) for net metering.

Ref: 1. Application Reg. No. S-295 Dated 05.04.2022.

With reference to your application cited under reference for net metering, it is pleased to inform that your application is technically feasible for grid connectivity and you are requested to enter into the Power Purchase Agreement (PPA) within 05 days for the date of this letter, failing which your application will be treated as cancelled.

The standard Power Purchase Agreement approved by KERC is available in the MESCOM website. www.mesco.in - > solar RTPV online services.

Yours faithfully,

REGISTRAR
SRINIVAS UNIVERSITY
MANGALORE

Assistant Executive Engineer(Ele)
Attavara Sub-division, MESCOM,
Attavar, Mangalore.





ಮಂಗಳೂರು ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು ಕಂಪನಿ ಸೀಯಮಿಟ

(Mangalore Electricity Supply Corporation Limited)

ಮಂಗಳೂರು - 575 001

ಫೋನ್: 2414444

e-mail: accounts@mgse.com

ಖಾತೆ ಸಂ: 75800000/ಬಾ. ಸಂ: 5000/ 2022 23/293

ವಿದ್ಯುತ್ ಮಾಪಕ ಪರಿಶೋಧನೆ

ದಿನಾಂಕ: 7 MAY 2022

ಮಾನ್ಯ ವಿದ್ಯುತ್ ವ್ಯಾಪಾರ ನಿರೀಕ್ಷಕರು ಮತ್ತು ವಾಣಿಜ್ಯ ಉಪ ನಿರೀಕ್ಷಕರು ಉಪ ನಿರೀಕ್ಷಕರು ಉಪ ನಿರೀಕ್ಷಕರು ಉಪ ನಿರೀಕ್ಷಕರು

ಅಧಿಕಾರ: ಸ್ವಾಮ್ಯ ರಾಜ್ ಪಿಂಚಾಕರ್ ಸುಖಾನ್ ರವರು ಮಂಗಳೂರು ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು ಕಂಪನಿ ಆಸ್ತುವರ ಉಪ ನಿರೀಕ್ಷಕರು

ಕೆ.ಕೆ.ಎಂ.ಸಿ/ಕೆ.ಎಂ.ಸಿ/ಆಸ್ತುವರ / 22-23 / 254-56 ಬಾ.ಸಂ: 11/05/2022

JE11 31533
49.0 kwp

ರೂ. 2,124.00 ರಶೀದಿ ಸಂ: --59149 ದಿನಾಂಕ: 12-07-2022

YOM Nov 2021 TOD I-4 Bi-directional meter

ಮಾಪಕ ಸಾಮಗ್ರಿ ವಿವರಣೆ
ಮಾಪಕ ಸಾಮಗ್ರಿ ವಿವರಣೆ
Secure Import readings:

ಮಾಪಕ ಸಾಮಗ್ರಿ ವಿವರಣೆ	3*240V, 3*- 5A Imax: 10A CE:0.5s RS 232 pf:-1 to +1 8000 imp/kwh Premier 300	ಕ್ರ.ಸಂ.	ಮೆಟರ್ ಸಂಖ್ಯೆ
		X1840237	ಮೆಟರ್ ವಿವರಣೆ
			ಮೆಟರ್ Co- seal
			ಮೆಟರ್ MISC CODE

ಮಾಪಕ ಸಾಮಗ್ರಿ ವಿವರಣೆ	Import readings:		
ಒಟ್ಟು: kwh 00000.02	R1 kwh 00000.00		
	R 2 kwh 00000.00		ಮೆಟರ್ (ರೇಟ್)
	R 3 kwh 00000.02		Import
	R 4 kwh 00000.00		
ಒಟ್ಟು: kwh 00000.22	R 1 kwh 00000.00		ಒಟ್ಟು 0.075%
	R 2 kwh 00000.20		ಒಟ್ಟು 0.075%
	R 3 kwh 00000.02		
	R 4 kwh 00000.00		

ಮಾಪಕ ಸಾಮಗ್ರಿ ವಿವರಣೆ	Export readings:		
ಒಟ್ಟು: kwh 00000.00	R1 kwh 00000.00		
	R 2 kwh 00000.00		ಮೆಟರ್ (ರೇಟ್)
	R 3 kwh 00000.00		Export
	R 4 kwh 00000.00		
ಒಟ್ಟು: kwh 00000.17	R 1 kwh 00000.00		ಒಟ್ಟು 0.038%
	R 2 kwh 00000.17		ಒಟ್ಟು 0.038%
	R 3 kwh 00000.00		
	R 4 kwh 00000.00		



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MANGALORE

Handwritten signature



ಮಂಗಳೂರು ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು ಕಂಪನಿ ನಿಯಮಿತ

(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ)

☎ ಮೊಬೈಲ್ : 9180833058

☎ ಫ್ಯಾಕ್ಸ್ : 0821 2118582

✉ e-mail: aeemtsdmng@gmail.com

ಸಿಬ್ಬಂದಿ ಕಛೇರಿ, ಮಂಗಳೂರು ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಲಯ (ಬಿ) ಕಛೇರಿ

ಪಂಚನಗರ-ವಿಭಾಗ, ಮಂಗಳೂರು

ಅಧ್ಯಕ್ಷರು, ಮಂಗಳೂರು

ಪತ್ರ ಸಂ: ಸಕಾಇಂ(ವಿ)/ಮಾಪ ಉವಿ/ಮಂ/ 2022-23/292
ವಿದ್ಯುತ್ ಮಾಪಕ ಪರೀಕ್ಷಾ ವರದಿ

ಒಸಾಂಕ

7 MAY 2022

ಹೆಸರು ಮತ್ತು ವಿಳಾಸ	ಅಧ್ಯಕ್ಷರು, ಸ್ಯಾಮ ರಾವ್ ಫೌಂಡೇಶನ್, ಸುಭಾಸ್ ನಗರ, ಮಂಗಳಾದೇವಿ, ಮಂಗಳೂರು ದ.ಕ			
ನಿರ್ವಹಣೆ ಮತ್ತು ಪಾಲನಾ ಉಪ-ವಿಭಾಗ/ ಶಾಖೆ	ಅತ್ಯವರ ಉಪ-ವಿಭಾಗ			
ಉಲ್ಲೇಖ ಪತ್ರ ಸಂ: ದಿನಾಂಕ	ಸ.ಕಾ.ಇಂ(ವಿ)/ಸ.ಇಂ(ಶಾಂ)/ ಅತ್ಯವರ / 22-23/ 254-56 ಒಸಾಂಕ 13-05-2022			
ಆರ್ ಆರ್ ಸಂ:	JEH 31533			
ಮಂಜೂರಾದ ಮೊರೆ, ಜಕಾತಿ	49.0 kwp			
ಸ್ಥಾಪನದ ವಿವರ:	...			
ಮಾಪಕ ಪರೀಕ್ಷಾ ಶುಲ್ಕ ವಿವರ	ರೂ: 2,124=00 ರಶೀದಿ ಸಂ: --82137 ದಿನಾಂಕ: 12-05-2022			
ಮಾಪಕದ ಬಾಡ್ಯ ವಿವರಗಳು	YOM Nov 2021 TOD I-4 Bi-directional meter			
ಮಾಪಕ ನಾಮ ಫಲಕದ ವಿವರಗಳು	ತಯಾರಿಕೆ	ETV, E3T055, 3P4W, 3*240V, 3*/-5A Imax: 10A CI:0.5s RS 232 pf:-1 to +1 8000 imp/kwh Premier 300	ಕ್ರ.ಸಂ:	ಮೈನ್ ಕವರ್ ಸೀಲ್: ಕಂಡದ್ದು: Co- seal ಬಿಟ್ಟದ್ದು: MESCOM
	Secure		X1840236	
ಮೈಗೂಂಡ ಮಾಪಕ ಪರೀಕ್ಷೆಗಳ ವಿವರಗಳು:	ಒಸಾಂಕ: Import readings:	ಕಂಡದ್ದು: kwh 00000.02	R1 kwh 00000.00 R 2 kwh 00000.00 R 3 kwh 00000.02 R 4 kwh 00000.00	ದೋಷ:[Error] Import
	ಬಿಟ್ಟದ್ದು: kwh 00000.22	R 1 kwh 00000.00 R 2 kwh 00000.20 R 3 kwh 00000.02 R 4 kwh 00000.00	ಕಂಡದ್ದು: -0.110% ಬಿಟ್ಟದ್ದು: -0.110%	
ಒಸಾಂಕ: Export readings:	ಕಂಡದ್ದು: kwh 00000.00	R1 kwh 00000.00 R 2 kwh 00000.00 R 3 kwh 00000.00 R 4 kwh 00000.00	ದೋಷ:[Error] Export	
	ಬಿಟ್ಟದ್ದು: kwh 00000.17	R 1 kwh 00000.00 R 2 kwh 00000.17 R 3 kwh 00000.00 R 4 kwh 00000.00	ಕಂಡದ್ದು: -0.057% ಬಿಟ್ಟದ್ದು: -0.057%	
Dosage /Dial Test	PASS	Creeping/ No load recording: Nil.	Display: Good	
ಮಾಪಕದ ದೋಷರಹಿತತನ/ದ.				



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MANGALORE

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ಸಿಬ್ಬಂದಿ ಕಛೇರಿ, ಮಂಗಳೂರು ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಾಲಯ (ಬಿ) ಕಛೇರಿ
ಮಂಗಳೂರು ವಿಭಾಗ, ಮಂಗಳೂರು
ಅಧ್ಯಕ್ಷರು, ಮಂಗಳೂರು

ಮಂಗಳೂರು ವಿದ್ಯುಚ್ಛಕ್ತಿ ಸರಬರಾಜು ಕಂಪೆನಿ ನಿಯಮಿತ

(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ)

ಆಂತರಿಕ ಕಛೇರಿ ಪತ್ರ

ಇವರಿಂದ, ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್(ಎ), ಅತ್ತಾವರ ಉಪವಿಭಾಗ, ಮಂ.ವಿ.ಸ.ಕಂ., ಅತ್ತಾವರ, ಮಂಗಳೂರು.	ಇವರಿಗೆ, ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್(ಎ), ಮಾಪಕ ಪರೀಕ್ಷಾ ಉಪವಿಭಾಗ, ಮೆಸ್ಕಾಂ, ಅತ್ತಾವರ, ಮಂಗಳೂರು.
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ಸಕಾನಿಇಂ/ಸಇಂ(ತಾಂ)/ಕ96/22-23/254-56

ದಿನಾಂಕ:

11 3 MAY 2022

ವಿಷಯ: ಸ್ಥಾವರ ಸಂಖ್ಯೆ: JEH 31533ರ Bi-Directional Energy ಮಾಪಕವನ್ನು
ಪರಿಶೀಲಿಸಿ, ವರದಿ ನೀಡುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1. ಗ್ರಾಹಕರ ಪತ್ರ ದಿನಾಂಕ 12.05.2022.

ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಅತ್ತಾವರ ಉಪವಿಭಾಗಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಸ್ಥಾವರ ಸಂಖ್ಯೆ: JEH 31533ರ ಗ್ರಾಹಕರು ತಮ್ಮ ಸ್ಥಾವರಕ್ಕೆ 49.0Kwp ಸಾಮರ್ಥ್ಯದ ಸೌರಶಕ್ತಿ ಮೇಲ್ವಿಚಾರಣೆ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಲು ಉದ್ದೇಶಿಸಿರುತ್ತಾರೆ. ಈ ಸಂಬಂಧ ಸದ್ರಿಯವರು Bi-Directional Energy ಮಾಪಕವನ್ನು ಖರೀದಿಸಿದ್ದು, ಮಾಪಕವನ್ನು ಪರೀಕ್ಷಿಸಿ, ವರದಿ ನೀಡುವಂತೆ ಕೋರಲಾಗಿದೆ.

ವಿವರಗಳು ಈ ಕೆಳಕಂಡಂತಿವೆ:-

ಕ್ರಮ ಸಂಖ್ಯೆ	ಹೆಸರು ಮತ್ತು ವಿಳಾಸ	ಆರ್ ಆರ್ ಸಂಖ್ಯೆ	ಪಾವತಿಸಿದ ಮಾಪಕದ ಪರಿಶೀಲನಾ ಶುಲ್ಕದ ವಿವರಗಳು	ಮಾಪಕದ ಕ್ರಮ ಸಂಖ್ಯೆ
1.	ಡಿ ಪ್ರೆಸಿಡೆಂಟ್, ಶ್ಯಾಮ ರಾವ್ ಫೌಂಡೇಶನ್, ಸುಭಾಸ್‌ನಗರ, ಮಂಗಳಾದೇವಿ, ಮಂಗಳೂರು	JEH 31533	₹.2,124/- Rt.No.460287882137 Dt.12.05.2022 [₹.1,800/-ಮಾಪಕದ ಪರಿಶೀಲನಾ ಶುಲ್ಕ + ₹.324/-GST ಶುಲ್ಕ]	X1840236
2.			₹.2,124/- Rt.No.460287859149 Dt.12.05.2022 [₹.1,800/-ಮಾಪಕದ ಪರಿಶೀಲನಾ ಶುಲ್ಕ + ₹.324/-GST ಶುಲ್ಕ]	X1840237



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MANGALORE

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್(ಎ),
ಅತ್ತಾವರ ಉಪವಿಭಾಗ,
ಮಂ.ವಿ.ಸ.ಕಂ., ಅತ್ತಾವರ, ಮಂಗಳೂರು

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED



(Government of Karnataka Undertaking)

Phone: 0824-2424149
e-mail: aee_no1@yahoo.in
GST No: 29AADCM7029H1ZA

Ref No: AEE(E)/AET/F64/22-23/ 60

Office of the
Assistant Executive Engineer(Elect),
Attavar Sub- Division, MESCOM,
Attavara, Mangalore.

Date: 7 MAY 2022

To,

The President,
Shyam Rao Foundation,
Subhashnagar,
Mangaladevi,
MANGALORE.

Madam/Sir,

RR.No.JEH31533

Sub: Approval for installing 49.0Kwp solar RTPV system under Net- metering.

Ref: 1. Application Reg. No. S-295 dtd: 05.04.2022.
2. PPA executed date: 30.04.2022.

With reference to your SRTPV application, approval is herewith accorded for installing Solar RTPV system of 49.0 Kwp on your rooftop under Net-metering basis as per following terms and 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 MESCOM empaneled inverters and meter shall be used. The empaneled list of inverters and meters are available in MESCOM 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.

All the other components of Solar RTPV system shall comply with applicable IS/IEC standards. The Technical specification of each equipment's is available in MESCOM website.

6. The work of grid connectivity shall be carried out in accordance with the Net-metering schematic diagram available in MESCOM website



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MANGALORE

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. Facilitation fee of ₹. 2,000/- & GST ₹. 360/- shall be paid and enclose the copy of receipt.
10. 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 20kWp.
11. Approval of Electrical Inspectorate, GoK is required if capacity of SRTPV system is more than 10kWp.
12. You should complete the SRTPV installation work before **27.09.2022**.
13. After completion of the work in all respects, you have to submit the work completion report in Format - 7 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, MESCOM.
 - 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.
 - d. Receipt of facilitation fee.
14. If for any reason the date of commissioning is delayed beyond the date of commissioning agreed, the tariff payable by the MESCOM shall be lower of the:
 - i. Tariff agreed to in the PPA. **OR**
 - ii. Tariff as per the average pooled power purchase cost notified by the Commission prevailing on the date of commissioning.

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



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MANGALORE

Yours faithfully,

Assistant Executive Engineer(Ele)
O&M Attavar Sub - Division,
MESCOM Attavar, Mangalore.

Work completion Report (To be submitted by the applicant)

To,

The Assistant Executive Engineer (Ele)

Attavara subdivision
Mangalore

Madam/Sir,

Sub: Submission of work completion report.

Ref: Your letter no: S-295 Dated: 30/04/2022

In reference to the above, the work of installation of SRTPV system is completed and I would like to submit the following information for your kind needful.

Facilitation fee paid details:

1.	Facilitation fee in Rs.	2360
2.	Receipt no.	0021224
3.	Date	27-05-2022

A. Solar PV module

1	Make	LONGI
2	Type of the module	MONO-CRYSTALLINE
3	Capacity of each module in kWp	0.540
4	No. of Modules	90
5	Sl.No. of Modules	ATTACHED
6	Total Capacity in kWp	48.60

B. Inverter

1	Make	GROWATT
2	Type	STRING
3	Capacity	50
4	No. of Inverters	1
5	Sl.No.	ZCG8BMP00T

C. Cables: DC

1	Make	LAPP
2	Size & Type	4 SQ MM

D. AC wiring

1	Make	POLY CAB
2	Size & Type	4C X 25,50SQ MM



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E.DC distribution box

1	Make	GROWATT
2	Sl. No.	IN BUILT
3	DC Surge Protection Device	1000V *2
4	MCB / Isolator quantity & capacity	1000V*2

F.AC distribution box

1	Make	PRASIDDHI
2	Sl. No.	PSACDB-576
3	AC Surge Protection Device	270V
4	MCB / MCCB quantity & capacity	4P/100A

G.Earthing

1	Earth resistance (less than 5 ohms)	4 OHM
2	Size of the Earth flat (3 x 70 sq.mm galvanic iron flat)	YES
3	Three separate earthingpoints 1.Modules &DC Surge arrester: 2.Inverter &AC Surgearrester 3.Lightening Arrester:	YES

H. Bi-directional meter details (please enclose the test report of bi-directional meter issued by MT division, MESCOM)

Sl.No.	Particulars	Main Meter	Check Meter	ENERGY METER
1	Make	SECURE	SECURE	L & T
2	Type	TRIVECTOR	TRIVECTOR	TRIVECTOR
3	Sl.No.	X1840236	X1840237	18614489
4	Single Ph/Three Ph.	THREE PHASE	THREE PHASE	THREE PHASE
3	CTRatio	150/5	150/5	75/5
4	PTRatio	NA	NA	NA
5	Date of Test by MT, MESCOM	7-05-2022	7-05-2022	NA

j. Caution signs

Size of the caution label: 105mm width X 20mm height, with white Letters on a red background

1	Panels	YES
2	Inverters	YES
3	DC/ AC distribution box	YES



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k. Provision of manual and automatic switch: Yes.

Installation inspection date:

The SRTPV system has been installed and inspected in compliance with the Electricity Act 2003, the Indian Electricity rules 1956 (Rule 47A).

Inspection by	Inspection date
AEE / EE, C.O&M, Sub-division / Division (for SRTPV capacities upto 1000kWp)	
Electrical inspectorate (Solar RTPV systems above 1000kWp) Approval letter shall be submitted	NA

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



Applicant Signature
Name: SRINIVAS INSTITUTE
Date: 27-05-2022



For PRASIDDHI SOLAR PVT. LTD.
System Installer Signature & seal
Name of the firm: PRASIDDHI SOLAR
Date: 27-05-2022



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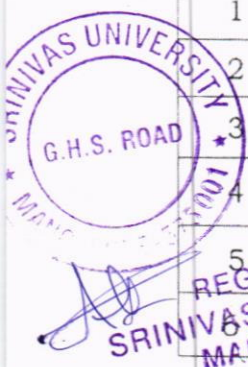


Mangalore Electricity Supply Company Limited
(wholly owned Government of Karnataka undertaking)

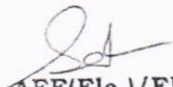


Commissioning report of SRTPV system (Net metering)

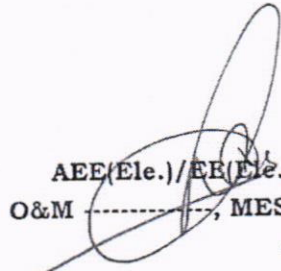
A		Consumer Details		
1	Name of the Consumer	The President, Shyam Rao Foundation, Subhashnagar, Mangaladevi, MANGALORE.		
2	Category	LT2(b)		
3	RR No./Account ID/Connection ID	JEH 31533/ 4602878000		
4	Pole Number	-		
B	Meter Details	Bi-directional Meter		Solar Generation Side Meter
		Main Meter	Check Meter	
1	Meter make: 1ph / 3 ph	Secure	Secure	Genus
2	Type	E3T055	E3T055	03C-682
3	Serial number	X1840236	X1840237	3032829
4	Capacity	3x-/5A	3x-/5A	3x5-10A
5	Meter constant			
6	Initial reading (Tri vector parameters)			
	i) Import	00000.22	00000.22	
	ii) Export	00000.17	00000.17	0.2
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	GROWATT		
2	Serial number	ZCG8BMPOOT		
3	Capacity	50.0Kw		
4	Input voltage	230-630 V DC		
5	Output voltage	220 V AC		
6	Whether Anti-islanding feature is in working condition	Yes		




D	PV Module	
1	Make	LONGI
2	Serial number	List Enclosed
3	Type of module	MONO CRYSTALLINE
4	Capacity of each module	540 WP
5	Number of modules	90Nos.
6	Total capacity of module	48.60Kwp
E	Earthing verified: DC earthing, AC earthing, LA earthing of SRTPV system	Yes
F	Details of protective system available	<ul style="list-style-type: none"> • AC & DC DB: Yes • Manual Switch solar side: Yes • Relay operated automatic switch at net-meter side: Yes
G	CEI, GoK/AEE, MESCOM inspection & approval letter obtained	Yes
H	Work completion report of SRTPV system obtained from agency	Yes
I	Date of synchronizing with MESCOM grid	21.06.2022


AEE(Ele.)/EE(Ele.)

MT S/D/Dvn, -----, MESCOM


AEE(Ele.)/EE(Ele.)
O&M -----, MESCOM

For A. SHAMA RAO FOUNDATION


Vice President
Name &

Signature of Consumer




REGISTRAR
SRINIVAS UNIVERSITY
MANGALORE

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED



(Government of Karnataka Undertaking)

Phone: 0824-2424149

e-mail: aee_no1@yahoo.in

GST No: 29AADCM7029H1ZA

Ref No: AEE(E)/AET/F64/22-23/247-57

Office of the

Assistant Executive Engineer(Elect).

Attavara Sub-Division, Mangaluru,

Attavara, Mangalure

Date

4 JUL 2022

To,

The President,
Shyam Rao Foundation,
Subhashnagar,
Mangaladevi,
MANGALORE.

Madam/Sir,

Sub: Certificate of synchronization of your 48.60Kwp SRTPV System.
Ref: Application Reg.No. S-295 Dated: 05.04.2022.

Synchronization test of Solar Rooftop PV System **48.60Kwp** installed on the roof of your installation bearing RR.No: **JEH 31533** has been conducted and your SRTPV system successfully synchronized with the MESCOM grid on **21.06.2022**.

Yours faithfully,

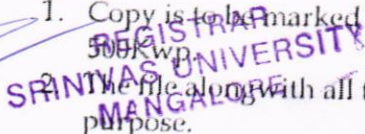
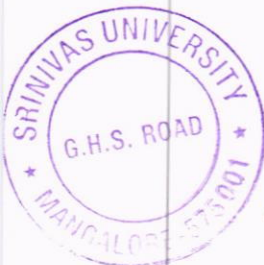
Assistant Executive Engineer (El),
Attavar Sub-division,
MESCOM, Attavar, Mangalore.

Copy submitted to:

1. Chief Engineer (Elect), Load dispatch Centre, KPTCL, Anand Rao Circle, Bangalore.
2. Superintending Engineer(Ele)(C&RP), Corporate Office, MESCOM, MESCOM Bhavana, Opp: Bharath Mall, Near KSRTC, Mangalore.
3. Executive Engineer(EI), O&M Division, MESCOM, Attavar, Mangalore.
4. Copy for information AEE/EE of MT Division.
5. The President, Shyam Rao Foundation, Subhashnagar, Mangaladevi, Mangalore.

Note:

1. Copy is to be marked to CEE, LDC, CGM(Op) if the SRTPV Capacity is more than 50Kwp. The file along with all the documents is to be sent to revenue section for billing purpose.





Bangalore Electricity Supply Company Limited

(Wholly owned Government of Karnataka undertaking)

Telephone : 080-2234 0816
Email ID : gmdsm@bescom.co.in

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

Ref No. : BESCOM/BC-51/2021-22/cys-36

Date: 18-12-2021

OFFICIAL MEMORANDUM

Sub: Empanelment of grid tied inverter manufacturer for SRTPV program in BESCOM.

Ref: 1. Empanelment Guidelines no.: BESCOM/BC-51/2018-19/1456(a), dated: 24.12.2018
2. Proceedings of the meeting held on 10.08.2020 vide No: BESCOM/BC-51/006/2020-21/621-28, dated:19.08.2020
3. DT, BESCOM approved note dated 18.12.2021

Approval is hereby accorded for empanelment of grid tied inverter manufacturer, M/s Shenzhen Growatt New Energy Technology Co., Ltd. for grid tied inverter for SRTPV program in BESCOM area for the following Additional capacities & model:

Sl. No.	Capacity in kW	Model	Period of Validity up to (Subject to revalidation every year)
1	2	MIC 2000TL-X	w.e.f. 18.12.2021 valid up to 17.12.2022
2	3	MIC 3000TL-X	
3	4	MIN 4200TL-X	
4	5	MIN 5000TL-X	
5	5	MOD 5000TL3-X	
6	6	MOD 6000TL3-X	
7	8	MOD 8000TL3-X	
8	10	MOD 10KTL3-X	
9	12	MOD 12KTL3-X	
10	15	MOD 15KTL3-X	
11	20	MID 20KTL3-X	
12	25	MID 25KTL3-X	
13	50	MAC 50KTL3-X LV	
14	60	MAC 60KTL3-X LV	

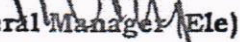
Approval is subject to the following conditions:-

1. The inverter manufacturer shall stand guarantee for the inverters for a period of 5 years.



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2. The grid tied inverters shall confirm to the specifications as prescribed in the relevant IS/IEC/BESCOM & its amendments from time to time.
3. The inverter manufacturer shall maintain full-fledged service centers for five years in Bangalore, Mangalore, Mysore, Hubli, Gulbarga cities in Karnataka state. The manufacturer should provide the details of services centers with address, Name of the contact person, mobile no, e-mail is etc.
4. Comply with Govt. Circular No: FD 455Exp-12/2020 DATED 10.03.2021 & Energy department letter No: Energy/297/VSC/2021 dated 24.03.2021 regarding Restrictions on public Procurements from Bidders of certain Countries.
5. BESCOM reserves the right to withdraw the approval issued, in case of any violations of the approved specifications at any time. BESCOM also reserves the right to delist from the empanelment list in case the performance of inverters is not satisfactory within the guaranteed period.


General Manager (Ele)
DSM, BESCOM

To,

M/s Shenzhen Growatt New Energy Technology Co., Ltd.,
Plot No.28, Prashasan Nagar,,
Road no.78, Jubilee Hills,
Hyderabad-500 033

Copy with Compliments for information to:-

1. The Chief General Manager(Ele.), CA, Corporate Office, BESCOM
2. All the Chief Engineer(Ele.), O&M Zones, BESCOM

Copy to:

1. The General Manager(Ele.), Procurement/Projects/QS&S/DAS, BESCOM
2. All the Superintending Engineers(Ele), C,O&M circles, BESCOM
3. All the Executive Engineers(Ele), C,O&M divisions, BESCOM
4. Ps to MD/D(T) with a request to place before the chair
5. MF/OC




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