



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 among Colleges in India.



Metric: 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar Energy 2. Biogas Plant 3. Wheeling to the Grid
4. Sensor-Based Energy Conservation 5. Use of LED Bulbs/ Power Efficient Equipment
6. Wind Mill or any other clean green energy

Solar Energy

Sl. No	Alternate Sources of Energy and Energy Conservation Measures	Page No.
1.	Solar Energy	
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1. Solar energy 2. Bio gas plant 3. Wheeling to the grid 4. Sensor based energy conservation
5. Use of LED bulbs/power efficient equipment 6. Windmill

SOLAR ENERGY

In order to harness solar energy to generate electricity and to reduce the consumption of electricity, the college have adopted energy conservation measures by installing Solar Panel. Total Panel Capacity of 90.44KW Solar Power Generator – 238 panels of 380 watt are installed in 'A' Block.

Installation of Solar Panels



PRINCIPAL
N G M. COLLEGE, POLLACHI





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Solar Panels in 'A' Block



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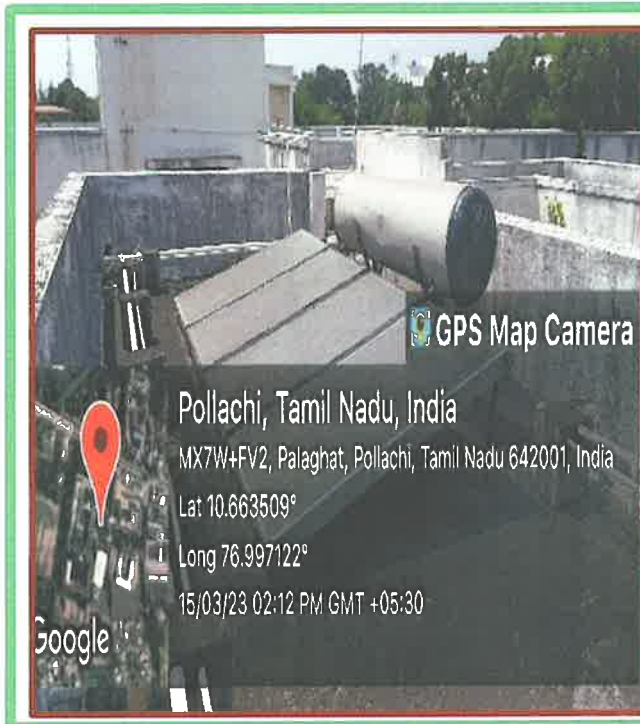
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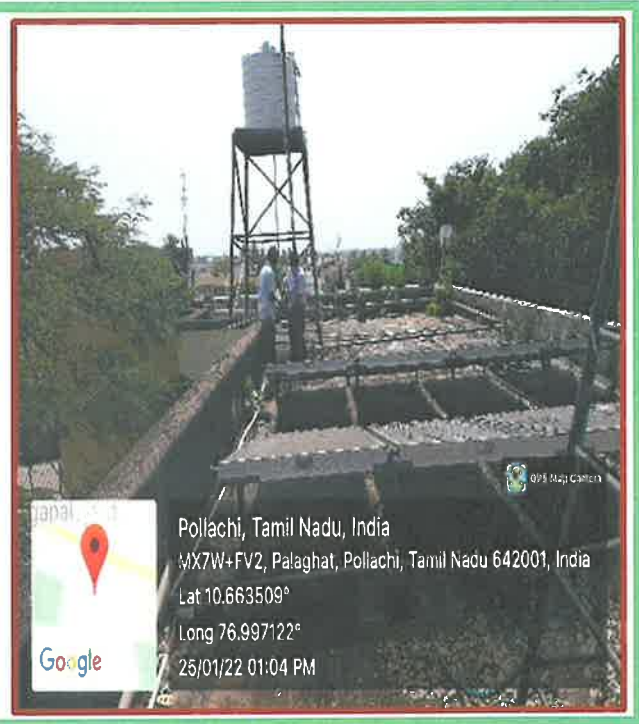


Solar Water Heaters

Boys Hostel



Girls Hostel



Solar Lights

Main Gate



Boys Hostel



Girls Hostel



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Water from Solar Water Heater Used for Cooking at Girls Hostel Kitchen



Periodical Cleaning of Solar Panel



PRINCIPAL
N.G.M. COLLEGE, POLLACHI





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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.

1. Solar energy 2. Bio gas plant 3. Wheeling to the grid 4. Sensor based energy conservation
5. Use of LED bulbs/power efficient equipment

Invoice of Solar Panel Purchased (90.4 KWp Solar Power)

SWELECT ENERGY SYSTEMS LTD						
S.No. 58/3 Nachiyur, Salem Main Road Idappadi, Salem Dist Pin-637105						
GSTIN/UIN: 33AAACN2366FZS CIN: L93090TN1994PLC028578						
Email: info@swelecties.com www.swelecties.com						
Tax Invoice						
Extra Copy						
IRN:						
Invoice No.: 332021001125			Date: 31.03.2022			
Delivery Note: 80007680			No. of Package: 00268			
Sale Order No: 4959			Date: 31.03.2022			
Consignee (Ship To): NALLAMUTHU GOUNDER MAHALINGAM COLLEGE 90 POLLACHI PALGHAT ROAD, POLLACHI Tamil Nadu 642001 Ph: GSTIN Number: State Name: Tamil Nadu, Code: 33 Place of Delivery: Tamil Nadu						
Buyer (if other than consignee): NALLAMUTHU GOUNDER MAHALINGAM COLLEGE 90 POLLACHI PALGHAT ROAD, POLLACHI Tamil Nadu 642001 Ph: GSTIN Number: State Name: Tamil Nadu, Code: 33 Place of Supply: Tamil Nadu			PO No.: SESI/NGM/KS/278-20-21- Terms of Payment (Code / Description) 0001		Date: 11.03.2022 Pay Immediately W/O Deduction	
Dispatch Notes: TRANSOLUTIONS (TN 28 AM 2070; TN 52 H 0158)						
S No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	Per	Amount
1	90.4 KWp SOLAR POWER GENERATOR (SLNO-SP211200045)	85023990	1	2,803,278.00	PC	2,803,278.00
2	INSTALLATION CHARGES	998736	1	1,201,404.00	EA	1,201,404.00
CGST						276,323.04
SGST						276,323.04
Total						4,557,328.08
Rounded Off To						4,557,323
Grand Total (Amount in word): Rupees Forty Five Lakh Fifty Seven Thousand Three Hundred Twenty Eight Only						
E & O E						
Tax Details						
HSN/SAC	Taxable Value	CGST	SGST	IGST	Total Tax Amount	
		Rate(%)	Amount	Rate(%)	Amount	
85023990	2,803,278.00	6.00	168,196.68	6.00	168,196.68	336,393.36
998736	1,201,404.00	9.00	108,126.36	9.00	108,126.36	216,252.72
Tax Total						552,646
Tax (Amount in words): Rupees Five Lakh Fifty Two Thousand Six Hundred Forty Six Only						
Bank Name: State Bank of India Bank A/c No.: 64114839578 Branch Name: Luz, Chennai IFSC Code: SBIN0040236 MICR No.: 600002332						
Declaration: Terms of sales: 1. Goods once sold will not be taken back or exchanged 2. Covered under marine cargo policy no: D000000018146877-01 valid up to 11.07.2022 with SBI GENERAL INSURANCE COMPANY LIMITED 3. Reverse charge To						
For SWELECT ENERGY SYSTEMS LTD. IDAPPADI SALEM Authorized Signatory						
Regd. Off. Address: SWELECT House, No.: 5, P. S. Sivasamy Salai, Mylapore, Chennai-600004 Tel: +91-44-24993100, Fax No: +91-44-24995179 Email: info@swelecties.com, Website: www.swelecties.com						
SUBJECT TO STATE JURISDICTION This is a Computer Generated Invoice						

Criteria: **VII : Institutional Values and Best Practices**



Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi
Coimbatore District

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swelect
ENERGY SYSTEMS LIMITED



Stay powerful when sun shines. And thereafter...

Ref: SESL/NGM/KS/278-20-21-22

To,

M/s. Nallamuthu Gounder Mahalingam College,
90, Pollachi Pallaghat Road,
Pollachi-642001

Dear Sir,

Sub: Supply, Erection & Commissioning of 90.44KWp Grid Interactive Roof top Solar Photovoltaic at Nallamuthu gounder Mahalingam College, Pollachi - Project Completion & Hand over the Documents - Reg

Ref: PO NO: NIL ; Dated: 11-03-2022

We hereby would like to inform with great pleasure that we have successfully completed 99kWp roof top solar power project at Nallamuthu gounder Mahalingam College, Pollachi.

Solar power generating systems 99kWp rooftop power plants is being running satisfactory since its commissioning i.e. 10-05-2022.

We would like to take this opportunity to thank you upfront for your kind support during the project duration and your valuable suggestions had indeed helped us to gain the shape of the project.

We are submitting the hard copy of drawings and documents in one set as a DPR for your kind reference. We request you to kindly acknowledge the same.

We thanking you and assuring our best support & services at all times.

Thanking you,

For SWELECT Energy Systems Ltd

S. Muthu

Authorized Signatory

RO: Old No.1054, N-748/1, Gowtham Center Annex, Avinashi Road -Coimbatore - 641018, Ph-0422-2242673
R&D: SF No.166 & 169, Sembagounden Pudur, No.51,Kuppaepalayam Village,
Sarkarsamakulam Post, Coimbatore - 641 107, Ph:0422-2654031/32
Regd Office: 'SWELECT HOUSE', No. 5, Sir P.S. Sivasamy Salai, Mylapore, Chennai - 600 004, India.
TEL: + 91 44 2499 3266, FAX: +91 44 2499 5179, E mail: info@swelectes.com
CIN : L93090TN1994PLC028578, www.swelectes.com



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Invoice of Solar Panel Purchased (10 KW Grid Solar Power)

SS Power Tech		TSReset		(ORIGINAL FOR RECIPIENT)	
3A-1, 3rd Cross, Ramasamy Nagar-2, Nallampalayam Road, Coimbatore - 641006 GSTIN : 33AD0P56834Q12P Mobile: 9842209610, 9842305510, GSTIN/UIN: 33AD0P56834Q12P State Name : Tamil Nadu, Code : 33 E-Mail : sspowertech.cbe@gmail.com		Invoice No. 125		Dated 28-Mar-22	
Consignee (Ship to) NALLAMUTHU GOUNDER MAHALINGAM COLLEGE POLLACHI		Delivery Note		Mode/Terms of Payment	
Buyer (Bill to) NALLAMUTHU GOUNDER MAHALINGAM COLLEGE POLLACHI		Reference No. & Date:		Other References	
		Buyer's Order No.		Dated	
		Dispatch Doc No.		Delivery Note Date	
		Dispatched through		Destination	
		Bill of Lading/LR-RR No. dt. 28-Mar-22		Motor Vehicle No.	
		Terms of Delivery			

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	10KW GRID TIE SOLAR POWER GENERATING SYSTEM	8541	1 SET	3,08,000.00	SET	3,08,000.00
2	Installation and Commissioning Charges	8504	1 Nos	1,32,000.00	Nos	1,32,000.00
						4,40,000.00
CGST@6%						18,480.00
SGST@6%						18,480.00
CGST@9%						11,880.00
SGST@9%						11,880.00
Total						₹ 5,00,720.00

Amount Chargeable (in words): **Indian Rupees Five Lakh Seven Hundred Twenty Only** E & O/E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8541	3,08,000.00	6%	18,480.00	6%	18,480.00	36,960.00
8504	1,32,000.00	9%	11,880.00	9%	11,880.00	23,760.00
Total	4,40,000.00		30,360.00		30,360.00	60,720.00

Tax Amount (in words): **Indian Rupees Sixty Thousand Seven Hundred Twenty Only**

Company's Bank Details:
 A/c Holder's Name : **SS Power Tech**
 Bank Name : **Karur Vysys Bank**
 A/c No. : **167513500006329**
 Branch & IFS Code : **Kavundampalayam Branch**
 SWIFT Code :

Declaration:
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature

This is a Computer Generated Invoice



Criteria: **VII : Institutional Values and Best Practices**

Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
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 N.G.M. College, Pollachi - 642 001
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NUMERIC
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SS POWER TECH

SWElect
Sustainable Energy Solutions

3A-1, 3 rd cross, Ramasamy nagar 2, Nallampalayam Road, Ganapathy post, Coimbatore- 641 006

SS POWER TECH												
3A-1, 3 RD CROSS, RAMASAMY NAGAR, NALLAMPALAYAM ROAD, GANAPATHY POST, COIMBATORE - 641006												
GST No. 33ADBFS8834Q1ZF												
PROFORMA INVOICE												
Reverse charge Proforma number Proforma date State						Your PO Ref Date of PO Date of supply Place of supply						
09.03.2022 Tamilnadu						33.00						
Details of Receiver / Bill to						Details of consignee / ship to						
Name : NALLAMUTHU GOUNDER MAHALINGAM COLLEGE						Name						
Address : POLLACHI - 642001						Address						
GSTIN						GSTIN						
State : Tamilnadu						State : Tamilnadu						
State code : 33.00						State code : 33						
S.No	Name of products / service	HSN code	Qty	Rate	Taxable value	SGST Rate	SGST Amount	CGST Rate	CGST Amount	IGST Rate	IGST Amount	Total
1	SUPPLY OF 10 KW SOLAR POWER GENERATING SYSTEM		1	308,000.00	308,000.00	6.00	18,480.00	6.00	18,480.00			344,960.00
2	10 KW SOLAR POWER GENERATING SYSTEM INSTALLATION & COMMISSIONING CHARGES		1	132,000.00	132,000.00	9.00	11,880.00	9.00	11,880.00			155,760.00
3												
Total :					440,000.00		30,360.00		30,360.00	0.00		500,720.00
Total Invoice Amount in words:						Total Amount Before Tax						4,913,764.00
Total: Five lakhs and seven hundred and twenty rupees Only.						Add : CGST						30,360.00
						Add : SGST						30,360.00
						Add : IGST						0.00
						Total GST						0.00
Bank Details:						Total Amount After tax						500,720.00
Bank Name : KARUR VYSA BANK, KAVUNDAMPALAYAM BRANCH						GST Payable on Reverse Charge						
Bank Account no : 1675135000006329												
Branch IFSC Code : KVBL0001675												
Remarks:						Customer Signature and seal						Authorised signatory

* Online UPS * Servo Stabilizers * Home UPS * Solar Grid Inverters & PCU * Solar Water Heaters * Tubular & SMF Batteries

Mobile: 98425 11160, 99943 11160, 98422 95610 E mail: admin@sspower.in

GSTIN:33ADBFS8834Q1ZF

Criteria: **VII : Institutional Values and Best Practices**



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SERVICE BILLS OF SOLAR PANEL

NUMERIC
A Group brand Legend

SS POWER TECH

swelect

3A-1, 3 rd cross, Ramasamy nagar 2, Nallampalayam Road, Ganapathy post, Coimbatore- 641 006

CEIG LIASONING AND APPROVAL CHARGES

SL.NO	DESCRIPTION	UNIT PRICE(Rs)	QUANTITY(Nos)	AMOUNT(Rs)
1	CEIG APPROVAL, LIASONING, APPROVAL WORKS AND METERING CHARGES	₹ 1,50,000	1	₹ 1,50,000
	Taxes@18%			₹ 27,000
	TOTAL			1,77,000

TERMS AND CONDITIONS:

Taxes : Taxes extra as 18%.
 Inspection : 15-45 days from the Date of Purchase Order.
 Payment : 50% advance and 50% against delivery.
 Note : EB office expenses must be paid by the customer.

BANK ACCOUNT DETAILS:

Name : SS POWER TECH
 Bank : Karur Vysya Bank, Kavundampalayam Branch
 Account number : 1675135000006329
 IFSC Code : KVB0001675
 Account type : Current account

Regards,
NAVEEN KUMAR.D
 98422 95610

* Online UPS * Servo Stabilizers * Home UPS * Solar Grid Inverters & PCU * Solar Water Heaters * Tubular & SMF Batteries

Mobile: 98425 11160, 99943 11160, 98422 95610 E mail: admin@sspower.in
 GSTIN:33ADBFS8834Q1ZF

Handwritten notes: 160000, 1,60,000/2, 50%, 12/8/22



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SWELECT ENERGY SYSTEMS LIMITED
 Regd. Office: "SWELECT HOUSE", No.5, Sir. P.S. Sivasamy Salai, Mylapore, 600 004.

Sl. No. 1225 SERVICE CALL REPORT

Customer Name:	NUTM COLLEGE		Service Call Report Date:	19/05/2022	
Customer Address:	POLLACHI		Service Call Registration No:		
Contact Person & Number:	Mr. Selva V. gresh / 9010461909		Service Call Received On:		
Customer Category:	Direct	Channels	Service Call Assigned On:		
Customer Status:	UW	AMC	Service Call Attended On:	19/05/2022	
Call Type:	Minor Call	Major Call	Service Call Completed On:	19/05/2022	
PCU Configuration:	Hybrid	Grid Tie	Service Call Attended By:	M. RAMESH	
Type of plant:	Rooftop	Ground Mount	Site Location:	Local	
Inverter Capacity:	80kW		Panel Make:	HRV	
Inverter Model:	MAX 80KTL3 LV		Panel Type:	MONOPHASE	
Inverter Serial No:	XZMSBUT003		No. of Panels:	238	
No. of Inverter:	1		Maximum Power Pmax:	280Wp	
SYSTEM DETAILS TO BE MEASURED AT ACTUALS			Open Circuit Voltage Voc:	428.60V	
No. of Panels in Series in a string:	30.18		Max. Power Voltage Vmp:	39.55V	
No. of String in Parallel:	12		Max. Power Current Imp:	9.61A	
String Voltage (V):			Short Circuit Current Isc:	10.10A	
String Current (I):	2.8A		SCC Make/Capacity:	-	
Array Voltage (V):			SCC Serial No:	-	
Array Current (I):	2.8A				
PCU OP Voltage (V):	232V				
Panel Voltage Current:					
AC SPD Make & Type:	FINDER				
DC SPD Make & Type:					
SITE PARAMETERS					
Power Failure Duration/ Day:	-		Gen Set availability:	-	
No. of Power Failure/Day:	-		Dedicated earth availability:	-	
Input Power Variation:			Earth Value:	-	
Actual load on inverter:	90.44kW		Lightning Arrester Availability:	-	
Problem Reported By Customer: 90.44 kW Installation.					
Root Cause Of Failure (as per Engineer Observation):					
Action Taken: 90.44 kWp on grid Rooftop System Install and Commissioned successfully. Inverter working fine. But after working time, online monitoring not connected. Earth pit identification not done.					
Conclusion Of Failure:					
DETAILS OF FAILED AND REPLACED SPARE PARTS DETAILS					
Materials Code	Materials Description	Actual Failed Qty	Replaced Qty	Serial No	Remarks
Weather Condition: Sunlight Fog Haze Rainy					
Customer Feedback: Delight Excellent Very Good Good Average					
Swelect Engineer's Remarks / Suggestions: kindly connect wifi on Inverter station to complete the online monitoring.					Customer's Comments:
Engineer Name & Signature: M. RAMESH / M. Ramesh					Customer Name & Signature with Office Seal: S. Selva V. gresh
HO Contact No: 044-2467974/6737 For HO use: Data Entry Done					Signature/Date: HO Copy



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Regd. Office : "SWELECT HOUSE", No-5, Sir. P.S Sivasamy Salai, Mylapore, 600 004.

swelect
Energy Solutions for All

Sl. No. **1220** / 2023 **SERVICE CALL REPORT**

Customer Name :	N.G.M. College,	Service Call Report Date :	02/06/2023				
Customer Address :	Pollachi	Service Call Registration No. :	1220/2023/01				
Contact Person & Number :	Mr. Selva Vignesh 7010461709	Service Call Received On :	02/06/2023				
Customer Category :	Direct	Service Call Assigned On :	02/06/2023				
Customer Status :	UW	Service Call Attended On :	02/06/2023				
Call Type :	Minor Call	Service Call Completed On :	02/06/2023				
PCU Configuration :	Hybrid	Service Call Attended By :	S. Prathap Kumar				
Type of plant :	Rooftop	Site Location :	Local				
Inverter Capacity :	20kVA	Panel Make :	Local				
Inverter Model :	MAX 20VTL 9LW	Panel Type :	20kVA				
Inverter Serial No. :	22015807007	No. of Panels :	278				
..... (f. Inverter) :	1 nos	Maximum Power Pmax :	2200W				
SYSTEM DETAILS TO BE MEASURED AT ACTUALS		Open Circuit Voltage Voc :	48.60V				
No. of Panels in Series in a string :	20.12	Max. Power Voltage Vmp :	39.85V				
No. of String in Parallel :	12	Max. Power Current Imp :	9.61A				
String Voltage (V) :	488	Short Circuit Current Isc :	10.10A				
String Current (I) :	4.88	SCC Make/Capacity :	-				
Array Voltage (V) :	588	SCC Serial No. :	-				
Array Current (I) :	2.80A	PCU O/P Voltage (V) :	230V				
PCU O/P Voltage (V) :	230V	Neutral to Earth Voltage (V) :	0.0V				
Panel Voltage Current :	2.80A	SCC to Batt Amps (I) :	-				
AC SPD Make & Type :	-	SCC to Inv Amps (I) :	-				
DC SPD Make & Type :	-	Batt to Inverter Amps (I) :	-				
SITE PARAMETERS		Type of Load :	Fixed				
Power Failure Duration/ Day :	-	Grid Voltage Frequency :	50Hz				
No. of Power Failure/Day :	-	No. of AC SPD's :	4				
..... (f. Power Variation) :	90.44V	No. of DC SPD's :	-				
Actual load on Inverter :	90.44V	Gen Set availability :	Yes				
Problem Reported By Customer :	Inverter not working during monitoring not connectivity	Dedicated earth availability :	Yes				
Root Cause Of Failure (as per Engineer Observation) :	Inverter Input AC 3-Ph voltage not connected. All DC Batt monitor not working	Earth Value :	-				
Action Taken :	Call with branch team is log and completed.	Lightning Arrester Availability :	Yes				
Conclusion Of Failure :	On-site monitoring good working with other network. Call back 2-40 informed						
DETAILS OF FAILED AND REPLACED SPARE PARTS DETAILS							
Materials Code	Materials Description	Actual Failed		Replaced		Fault Spare sent to HO on (Date)	Remarks
		Qty	Serial No	Qty	Serial No		
Weather Condition :	Sunlight	✓	Fog		Haze		Rainy
Customer Feedback :	Delight		Excellent	✓	Very Good		Good
Sweet Engineer's Remarks / Suggestions :	Spare, ready to be 2.40						
Engineer Name & Signature :	S. Prathap Kumar			Customer Name & Signature with Office Seal :			
HO Contact No: 044-24679774/9737	For HO use: Date Entry Done			Signature/Date:			HO Copy



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SWELECT ENERGY SYSTEMS LIMITED									
Registered Office: SWELECT House, No.5, St. PA Marany Salai, Singapore, 600 006.									
PREVENTIVE MAINTENANCE REPORT									
Customer Name: <u>Nallam College</u>					PM Report No & Date				
Customer Address & Contact Person, Number & Email ID: <u>Pollachi</u> <u>Selva Vignesh / 7010461909</u>					PM Scheduled On: <u>DEC 2022</u>				
Customer Category: <u>Direct</u>					PM Call Attended On: <u>20/12/2022</u>				
Grid Priority status: <u>SW-PM</u>					PM Call Attended By: <u>A. S. S. S. S.</u>				
PCU Configuration: <u>Hybrid</u>					PM Call Duration: <u>1.30 hrs</u>				
Type of plant: <u>Rooftop</u>					Site location: <u>Local</u>				
Inverter Capacity: <u>30kW</u>					Panel Make: <u>44V</u>				
Inverter Model: <u>MSR-30KTL3-LV</u>					Panel Type: <u>multicrystalline</u>				
Inverter Serial No: <u>X2630G1003</u>					No of Panels: <u>1</u>				
No. of Inverter: <u>1</u>					Panel Cleaning Status: <u>cleaned</u>				
Power output (kW / W): <u>9000W</u>					Battery Capacity: <u>100Ah</u>				
No of Panels connected to inverter: <u>20</u>					Battery Voltage: <u>12V</u>				
No of Strings connected to inverter: <u>20</u>					Battery Current: <u>12</u>				
No of Panels connected in series per string: <u>20</u>					Battery Terminal Corrosion: <u>None</u>				
Check PCU functionality, e.g. automatic disconnection upon loss of grid power supply for Grid Tie Inverter: <u>Done</u>					Battery Cable Corrosion: <u>None</u>				
Check ventilation condition: <u>Done</u>					Check Level of Battery Electrolyte: <u>None</u>				
Cleaning of Fan Blade: <u>Done</u>					Check for Air Tightness: <u>None</u>				
Speed of Fan to be Check: <u>Done</u>					Check for Air Tightness: <u>None</u>				
Check for loose cable terminations: <u>Done</u>					Check for Air Tightness: <u>None</u>				
All inverter MCB connectors were opened and checked for any mark or burnt: <u>Done</u>					Check for Air Tightness: <u>None</u>				
PARAMETERS									
Site Input Voltage: <u>230V</u>					Panel DC Voltage: <u>34.58V</u>				
Site Input Current: <u>26A</u>					Panel DC Current: <u>9.6A</u>				
Site Input Frequency: <u>50Hz</u>					Panel DC Power: <u>380W</u>				
Grid Voltage: <u>230V</u>					Total kW Measured: <u>285.5 kW</u>				
Output Load Capacity: <u>90-110kW</u>					Total kWh Measured: <u>5.131-3 kWh</u>				
Status of Panels Condition: <u>Good</u>					Cloud/Dusty				
Note: If Panels are dirty, request Customer to Clean the Panels at the earliest to avoid generation loss.									
Action Taken for any defects: <u>Online monitoring not working for network issue.</u>									
Condition of PM: <u>1) Please change the email settings and Inverter online monitoring works.</u>									
Weather Condition at the Site PM: <u>AA Inverter terminals are checked and cleaned. Inverter fan mesh are cleaned. inverter runs good condition and generate power.</u>									
Customer Feedback: <u>with router works checked</u>									
Engineer Name & Signature: <u>A. S. S. S. S.</u>									
Customer Name & Signature with Office Seal: <u>S. Selva Vignesh / 7010461909</u>									
PM Contact No: 044-245/9114/9197									
Signature/Stamp: <u>[Stamp]</u>									



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SWELL ENERGY SYSTEMS LIMITED			
Regd. Office: "SWELECT HOUSE", No.5, Sir. P.S. Sivasamy Salai, Mylapore, 600 004.			
PREVENTIVE MAINTENANCE REPORT			
Sl. No. 962	PM Report No. & Date: 23-03-2023		
Customer Name: Nallam College	PM scheduled On: 23-03-2023		
Customer Address: Pollachi	PM Call Attended On: 23-03-2023		
Contact Person & Number: Mr. Selva Vignesh 904461909	PM Call Attended By: A. Ramesh Kumar		
Customer Category: Direct	Channels: U/M - PM	Panel Make: 11/18	Panel Type: 11/18
Cust Warranty status: U/W - PM	Grid Tied: 1	No. of Panels: 232	Panel Cleaning Status: Clean
PCU Configuration: Hybrid	Grid Tied: 1	Panel Cleaning Status: Clean	
Type of plant: Rooftop	Groundmount: 1		
INVERTER		BATTERY	
Inverter Capacity: 30 kW	No of Batteries: -		
Inverter Model: MAX 30kW 72V	Battery Voltage: -		
Inverter Serial No: X2615067002	Battery Current: -		
No. of Inverter: 1	Battery Terminal Corrosion: -		
Power output (kW / kVA): 30 kW	Battery Cable Corrosion: -		
No. of Panels connected to inverter: 232 p.c.s	Check Level of Battery Distilled Water: -		
No of Strings connected to inverter: 12	AJB		
No of Panels connected in series per strings: 20	AJB Terminal to be check: Checked		
Check PCU functionality, e.g. automatic disconnection upon loss of grid power supply for Grid Tie Inverter: Checked	AJB SPD/Fuse Condition: Good		
Check ventilation condition: Checked	AJB Diode to be check: Done		
Cleaning of Fan Mesh: Checked	Check for AJB Terminal connection: -		
Speed of Fan to be Check: Done	ACDB		
Check for loose cable terminations: Done	ACDB Terminal to be Check: Checked		
All inverter MC4 connector were opened and checked for any melt or burn: Checked	ACDB SPD Condition: Good		
PARAMETERS			
Site Input Voltage: 239.12/239	Panel DC Voltage: 60.0V / 11/18		
Site Input Current: -	Panel DC Current: 6.9A / 11/18		
Auto Input Frequency: 50.12	Panel DC Power: 1.1 kW		
Output Voltage: 500V 72V	Total kW Measured: 1.1 kW		
Output Load Capacity: 30 kW	Total kWh Measured: 7.1 kWh		
Status of Panels Condition: -	Clean & Dry		
Note: If Panels are dirty, request Customer to Clean the Panels at the earliest to avoid generation loss.			
Action Taken for any defects:			
+ All AC and DC terminals are Checked			
+ AC and DC Parameters are Checked			
Conclusion of PM:			
+ fan mesh are cleaned			
+ Inverter working fine and generates power as per standard			
Weather Condition at the time PM: Sunlight	Fog	Haze	Rainy
Customer Feedback: Delight	Excellent	Very Good	Good
Swell Engineer's Remarks / Suggestions:		Customer's Comments:	
Engineer Name & Signature: A. Ramesh Kumar		Customer Name & Signature with Office Seal: N. SENTHIL KUMAR	
Verified by Service Executive/ Follow up to the place: M. V. Senthil Kumar		Customer Name & Signature with Office Seal: N. SENTHIL KUMAR	
HO Contact No: 044 - 24879774 / 9737		Signature / Date: H.C. Copy	
SERVPM06 BREV1			



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SWELECT ENERGY SYSTEMS LIMITED			
Regd. Office : "SWELECT HOUSE", No.5, Sir. P.S Sivasamy Salai, Mylapore, 600 004.			
Sl. No. 970 / 20. PREVENTIVE MAINTENANCE REPORT			
Customer Name :		PM Report No & Date	
Customer Address :		PM scheduled On :	
Contact Person & Number :		PM Call Attended On :	
Customer Category :		PM Call Attended By :	
Cost Warranty status :		PM Call Duration :	
PCU Configuration :		Site Location :	
Type of plant :		Local ☒ Outstation ☐	
Inverter		Panel Make :	
Inverter Capacity :		Panel Type :	
Inverter Model :		No. of Panels :	
Inverter Serial No. :		Panel Cleaning Status :	
No. of Inverter :		Battery	
Power output (kW / kVA) :		No of Batteries :	
No of Panels connected to inverter :		Battery Voltage :	
No of Strings connected to inverter :		Battery Current :	
No of Panels connected in series per strings :		Battery Terminal Corrosion :	
Check PCU functionality, e.g. automatic disconnection upon loss of grid power supply for Grid Tie Inverter :		Battery Cable Corrosion :	
Check ventilation condition :		Check Level of Battery Distilled Water :	
Cleaning of Fan Mesh :		A/B	
Speed of Fan to be Check :		A/B Terminal to be check :	
Check for loose cable terminations :		A/B SPD/Fuse Condition :	
All Inverter MC4 connector were opened and checked for any melt or burnt :		A/B Diode to be check :	
PARAMETERS		Check for A/B Terminal connection :	
Site Input Voltage :		ACDB	
Site Input Current :		ACDB Terminals to be Check :	
Site Input Frequency :		ACDB SPD Condition :	
Output Voltage :		Panel DC Voltage :	
Output Load Capacity :		Panel DC Current :	
Status of Panels Condition :		Panel DC Power :	
Note: If Panels are dusty, request Customer to Clean the Panels at the earliest to avoid generation loss.		Total KW Measured :	
Action Taken for any defects :		Total KWH Measured :	
Conclusion of PM :		Check / Dusty	
Weather Condition at the time PM :		Sunlight ☐ Fog ☐ Haze ☐ Rainy ☐	
Customer Feedback :		Delight ☐ Excellent ☐ Very Good ☐ Good ☐ Average ☐	
Swelect Engineer's Remarks / Suggestions :		Customer's Comments :	
Engineer Name & Signature :		Customer Name & Signature with Office Seal :	
Verified by Service Executive/Follow up for completion :		Signature / Date :	
HO Contact No : 044 - 24679774 / 9737		R.O. Copy	
SERVMT/ISS BREVIT			



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SWELECT ENERGY SYSTEMS LIMITED			
Regd. Office : "SWELECT HOUSE", No.6, Sir. P.S.Sivasamy Salai, Mylapore, 600 004.			
Sl. No. 452	PREVENTIVE MAINTENANCE REPORT		
Customer Name :	NGM COLLEGE		PM Report No & Date
Customer Address :	POLLACHI		PM scheduled On :
Contact Person & Number :	MR. ANANDRAJ 9688705999		PM Call Attended On :
Customer Category :	Direct	Channels	PM Call Attended By :
Cust Warranty status :	UW - PM	UAMC	PM Call Duration :
PCU Configuration :	Hybrid	Grid Tied	Site Location :
Type of plant :	Rooftop	Groundmount	Local
INVERTER		Battery	
Inverter Capacity :	80 kW	No of Batteries :	-
Inverter Model :	MAY 80K131V	Battery Voltage :	-
Inverter Serial No :	Y20SR07003	Battery Current :	-
No. of Inverter :	1	Battery Terminal Corrosion :	-
Power output (kW / kVA) :	80 kW	Battery Cable Corrosion :	-
No of Panels connected to inverter :	239 nos	Check Level of Battery Distilled Water :	-
No of Strings connected to inverter :	12	AJB	-
No of Panels connected in series per strings :	20, 18	AJB Terminal to be check :	CHECKED
Check PCU functionality, e.g. automatic disconnection upon loss of grid power supply for Grid Tie Inverter :	CHECKED	AJB SPD/Fuse Condition :	GOOD
Check ventilation condition :	CHECKED	AJB Diode to be check :	DONE
Cleaning of Fan Mesh :	CLEANED	Check for AJB Terminal connection :	-
Speed of Fan to be Check :	OK	ACDB	-
Check for loose cable terminations :	OK	ACDB Terminals to be Check :	CHECKED
All Inverter MC4 connector were opened and checked for any melt or burn :	CHECKED OK	ACDB SPD Condition :	GOOD
PARAMETERS			
Site Input Voltage :	238 / 236 / 239	Panel DC Voltage :	650 V / string
Site Input Current :	-	Panel DC Current :	6.9A
Site Input Frequency :	50. HZ	Panel DC Power :	-
Output Voltage :	240 V	Total kW Measured :	-
Output Load Capacity :	80 kW	Total kWh Measured :	-
Status of Panels Condition :	GOOD. OK	Clean / Dusty	-
Note: If Panels are dusty, request Customer to Clean the Panels at the earliest to avoid generation loss.			
Action Taken for any defects : ALL AC & DC TERMINALS ARE CHECKED. THERE ARE 12 STRINGS FOR 80kW, GRIDWATT INV, ALL STR. ARE WORKING AS PER STANDARDS.			
Conclusion of PM :			
Weather Condition at the time PM :			
Customer Feedback :			
Swelect Engineer's Remarks / Suggestions :			
Customer's Comments :			
Engineer Name & Signature :		Customer Name & Signature with Office Seal :	
Verified by Service Executive/Follow up for completion :		Signature / Date :	
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Criteria: VII : Institutional Values and Best Practices



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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.

1. Solar energy
2. Bio gas plant
3. Wheeling to the grid
4. Sensor based energy conservation
5. Use of LED bulbs/power efficient equipment
6. Windmill / any other clean green energy

Invoice of Solar LED Street Light (100 watt pv, 65AH Battery 22 watts)

SAI TRADERS			
Sri Saravana Towers, 21, Kanitha Methai Ramanujar St., Pollachi - 642001 Mobile : 96887 05999, 95789 05999. Email : sharan_999@yahoo.co.in			
M/s. N G M College Pollachi		No : 465 Date 23-1-2028	
S.No.	Particulars	Qty	Amount
1	Solar LED Street Light with 100W PV, 65AH Battery 22Watt LED bulb. 20 feet pole (22500 * 4 nos)	4 nos	90000.00
			90000.00
Rupees: Twenty Thousand (Rupees only) Including tax.			
Received the above goods in good Condition		For SAI TRADER	
 PRINCIPAL N G M COLLEGE POLLACHI			





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SAI TRADERS
Sri Saravana Towers, 21, Kanitha Methai Ramanujar St., Pollachi - 642001
Mobile : 96887 05999, 95789 05999 Email : sharan_999@yahoo.co.in

M/s. N G M College Pollachi No : 457
Date : 14-12-2017

S.No.	Particulars	Qty	Amount
1.	Solar LED Street light Solar LED Streetlight with 100 watt PV, 65AH Battery 22 watts bulb fitting 20 feet pole.	1 NO	22,500.00
Total		1 NO	22,500.00
(Rupees Twenty two thousand five hundred only) including tax.			

Received the above goods in good Condition For **SAI TRADERS**

PRINCIPAL
N G M COLLEGE POLLACHI

