



# Dhanalakshmi Srinivasan

College of Engineering and Technology,  
ECR, Mamallapuram, Chennai - 603104.

(Approved by AICTE, New Delhi - 110070 & Affiliated to Anna University, Chennai - 25.)

## Key Indicator 7.1.2

**Facilities for alternate source of energy and energy conservation  
measures**

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**DHANALAKSHMI SRINIVASAN  
COLLEGE OF ENGINEERING AND TECHNOLOGY**

MAMALLAPURAM, CHENNAI – 603 104

**ENVIRONMENTAL POLICY**

The Policy of DSCET is to conserve natural environment and energy consumption towards sustainable development of society;

1. To create awareness among students about conservation of natural resources and development of Renewable Energy Sources.
2. To facilitate development of technologies utilizing alternate sources of energy.
3. To adopt fair, ethical and environment-friendly approach, towards Green and Sustainable environment initiatives.
4. To help building up a society that has conservation oriented attitude towards water management, effective use of harvested Rain water, and preserve surrounding ecosystem.

**INITIATIVES ON ENERGY CONSERVATION**

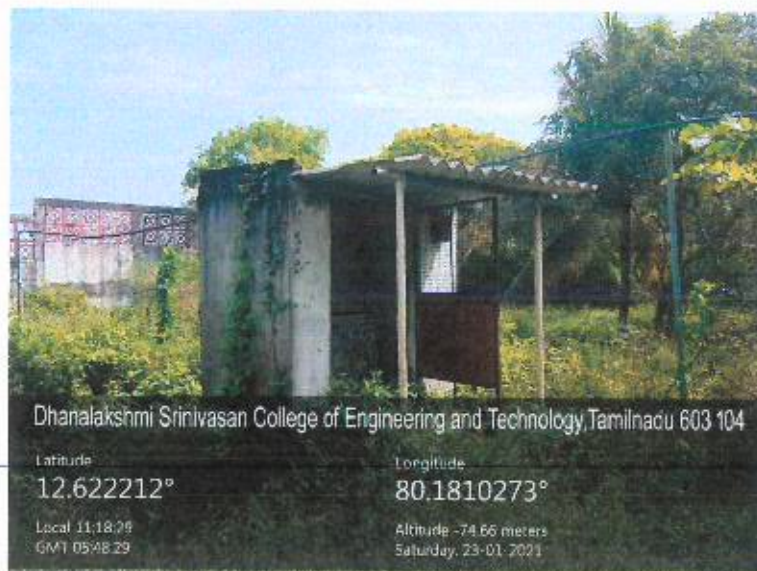
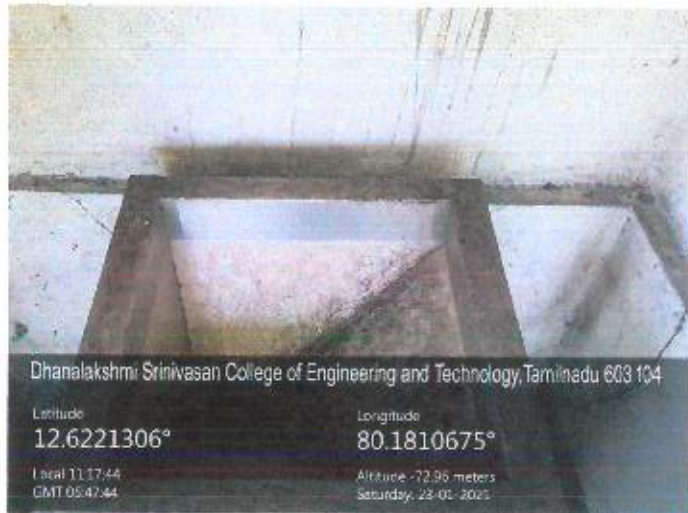
An institution has to establish and practice a successful energy management system mainly to reduce the utilization of renewable energy resources and to promote energy generation through nonrenewable energy resources. As per the environmental policy, the following initiatives and measures are established and expanded periodically

- i. To plan and execute better energy allocation and utilization for class rooms, administrative building, hostels and other campus regions.
- ii. To use LED to reduce power consumption
- iii. To establish and expand solar power plant
- iv. To enlighten the employees and students on effective energy usage by instructing them switch of the fans, lights, AC, equipment and other appliances when not in use
- v. To monitor and provide the analysis of practice in periodical auditing based on the commitment towards energy conservation objectives
- vi. To establish and maintain solar or wind based in-campus appliances wherever applicable

The above policy can be viewed in the college URL: <https://dscet.ac.in/download/policies.pdf>



## BIOGAS PLANT

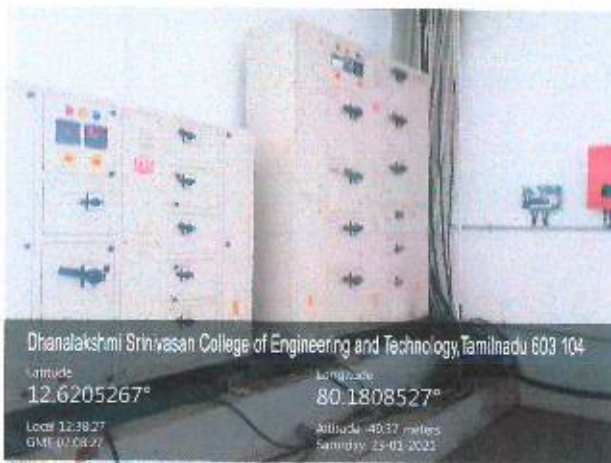


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## SOLAR PANEL



## ARRAY DC DISCONNECT



## WHEELING TO THE GRID



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### LED BULBS AT LOBBY



### LED BULBS AT BOARD ROOM



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## TAX INVOICE

<b>Shriram Solar Panruti</b> 1, Green Garden, Chennai Road Panruti GSTIN/UIN: 33ACFFS8123B1ZI State Name : Tamil Nadu, Code : 33 E-Mail : shriramsiva@rediffmail.com	Invoice No.    e-Way Bill No. SOLAR/20-21/0024    581229119022	Dated <b>08-Jan-2020</b>
	Delivery Note	Mode/Terms of Payment
	Supplier's Ref.	Other Reference(s)
Buyer <b>Dhanalakshmi Srinivasan College of Engineering and Technology</b> East Coast Road Mahabalipuram GSTIN/UIN : 33AAGTS1793N1ZX State Name : Tamil Nadu, Code : 33	Buyer's Order No.	Dated
	Despatch Document No.	Delivery Note Date
	Despatched through	Destination
Terms of Delivery		

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount	
1	<b>10 KW Solar Power Genarating System</b> 10kw Havells Solar Grid Tie Inverter 10000 W Pv Panels  Zero Export Device	8502	1 Nos	4,81,904.76	Nos		4,81,904.76	
	<b>OUTPUT - CGST</b>						12,047.62	
	<b>OUTPUT - SGST</b>						12,047.62	
<b>Total</b>							<b>1 Nos</b>	<b>₹ 5,06,000.00</b>

Amount Chargeable (in words)

E. &amp; O.E

**Indian Rupees Five Lakh Six Thousand Only**

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8502	4,81,904.76	2.50%	12,047.62	2.50%	12,047.62	24,095.24
<b>Total</b>	<b>4,81,904.76</b>		<b>12,047.62</b>		<b>12,047.62</b>	<b>24,095.24</b>

 Tax Amount (in words) : **Indian Rupees Twenty Four Thousand Ninety Five and Twenty Four paise Only**

Company's Bank Details

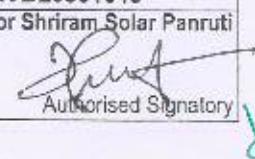
 Bank Name : **KARUR VYSYA BANK**

 A/c No. : **1645223000000117**

 Branch & IFS Code: **PANRUTI & KVBL0001645**
Declaration

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

for Shriram Solar Panruti

  
 Authorised Signatory

This is a Computer Generated Invoice

Installed and working properly. Checked by  
 Suresh Bignani  
 C. Arand.



## TAX INVOICE

<b>SECC</b> R.S.No. 4/1, Plot No.7, Kurumampet Industrial Estate, Villianur Commune, Puducherry – 605009. GSTIN/UIN: 34ABKFS5544G1Z0 E-Mail : shriramsiva@rediffmail.com	Invoice No. <b>3804</b>	Dated <b>20-Dec-2018</b>
	Delivery Note	Mode/Terms of Payment
	Supplier's Ref.	Other Reference(s)
Buyer Dhanalakshmi Srinivasan College of Engineering and Technology East Coast Road Mahabalipuram GSTIN/UIN : 33AAGTS1793N1ZX State Name : Tamil Nadu, Code : 33	Buyer's Order No.	Dated
	Despatch Document No.	Delivery Note Date
	Despatched through	Destination
	Terms of Delivery	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	<b>20W Philips LED LIGHTS</b>	9405	<b>44 Nos</b>	<b>450</b>	Nos		<b>19,800.00</b>
	<i>OUTPUT - CGST</i>						<b>1188.00</b>
	<i>OUTPUT - SGST</i>						<b>1188.00</b>
	Total		<b>44 Nos</b>				<b>22,176.00</b>

Amount Chargeable (in words)

E. & OE

**Indian Rupees Twenty Two Thousand One Hundred and Seventy Six Only**

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
9405	19,800.00	6%	1188.00	6%	1188.00	2376.00
<b>Total</b>	<b>19,800.00</b>		<b>1188.00</b>		<b>1188.00</b>	<b>2376.00</b>

Tax Amount (in words) : **Indian Rupees Two Thousand Three Hundred and Seventy Six Only**

Declaration

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

  
 P. Saravara  
 Authorised Signatory

This is a Computer Generated Invoice



# Nirma Biogen Technology

(M) : 94430 54231

00804 59745

E-mail : nirma-biogen@gmail.com

For Biogas Projects

Specialisi : Waste Treatment, All Model Biogas Plant Construction  
5/46, Kongu Nagar, Madhapur Road, Near CSI Church, Kaniyur, Coimbatore-641 659.

Dr. V.R.RAJENDRAN  
Proprietor

## Invoice

### Billing Address

Dhanalakshmi Srinivasan College of Engineering and  
ECR, Poonjeri, Mamallapuram.-603104  
Tel.No : 044-27442844

INVOICE NO : 0117 / 2010-2011

DATE : 21/08/2010

S. No	DESCRIPTION	QTY	RATE	AMOUNT
1	100Kg Biogas plant with accessories	1	750541.00	750541.00
2	Installation charge		50000.00	50000.00
<b>TOTAL</b>				<b>800541.00</b>


VAT @12% 96064.92

NET AMOUNT 896605.92

( Eight Lakh Ninety Six Thousand Six Hundred Five Rupees And Ninety Two Paise Only)

1. Payment against this invoice should be made only by Account payee' cheque/Bank draft the of Nirma Biogen Technology  
2. Interest at the rate of 24% p.a will be levied on payments delayed beyond the due date.

For Nirma Biogen Technology

  
Authorized Signature

  
Checked by





**ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY**

7.1.2a Percentage of annual lighting power requirements met through LED bulbs

<b>Academic Year</b>	<b>Total Lighting requirements per floor</b>	<b>Percentage Lighting through LED bulbs</b>	<b>Percentage Lighting through other sources</b>
2018 - 2019	290	15.17	84.82
2019-2020	290	58.62	41.37

7.1.2b Alternate Energy initiatives such as:

Percentage of annual power requirement of the Institution met by the renewable energy sources

<b>Academic Year</b>	<b>Power requirement met by renewable energy sources per month</b>	<b>Total power requirement per month</b>	<b>Renewable energy source</b>	<b>Renewable energy generated and used</b>	<b>Energy supplied to the grid</b>
2019-2020	10KW	32417	Solar	10	0