



CITY ENGINEERING COLLEGE

Approved by AICTE New Delhi & Affiliated by VTU, Belagavi
Doddakallasandra, Off Kanakapura Main Road,
Next to Gokulam Apartment, Bangalore - 560 062.



CRITERION 7: INSTITUTIONAL VALUES AND BEST PRACTICES

KEY INDICATOR: 7.1. Institutional values and Social responsibilities

Metric No.7.1.2 .The Institution has facilities and initiatives for

1)ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

INDEX

Sl.No.	Description
1	Solar Panel
2	Solar Grid connected
3	LED Light Photographs
4	Wind mill
5	Automatic water tank sensors controls
6	Solar Street Lights



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ALTERNATE SOURCES OF ENERGY:

SOLAR-PHOTOVOLTAIC PANEL



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Alternate sources of energy and energy conservation:

In today's world, the use of electrical energy is indispensable. Currently, approximately 70% of energy is generated through the combustion of fossil fuels, particularly coal. The overuse of these resources has resulted in significant environmental pollution and resource depletion. To ensure sustainable energy utilization, it is crucial to focus on renewable energy sources.

In response, City Engineering College is committed to contributing positively to both the environment and the nation. The college has implemented renewable energy sources and energy-efficient systems and devices on campus. These include solar Photovoltaic Panel and grid-connected solar electrical systems, automated energy conservation mechanisms like solar street light and energy-efficient lighting solutions like LED bulbs to meet night time lighting needs.

Solar Panel - 70KW output






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 **GPS Map Camera**



Bengaluru, Karnataka, India

VHQ2+R4R, Vasanthapura, Subramanyapura, Bengaluru, Karnataka 560062, India

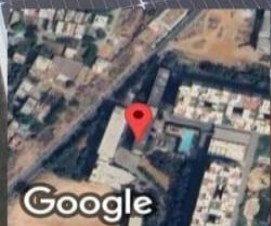
Lat 12.889203°

Long 77.550732°

01/07/24 04:14 PM GMT +05:30



 **GPS Map Camera**



Bengaluru, Karnataka, India

Block gokulam apartment, 505 b, Vasanthapura, Uttarahalli Hobli, Bengaluru, Karnataka 560062, India

Lat 12.889233°

Long 77.550735°

01/07/24 04:14 PM GMT +05:30



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ALTERNATE SOURCES OF ENERGY:

LED LIGHTS IN CAMPUS



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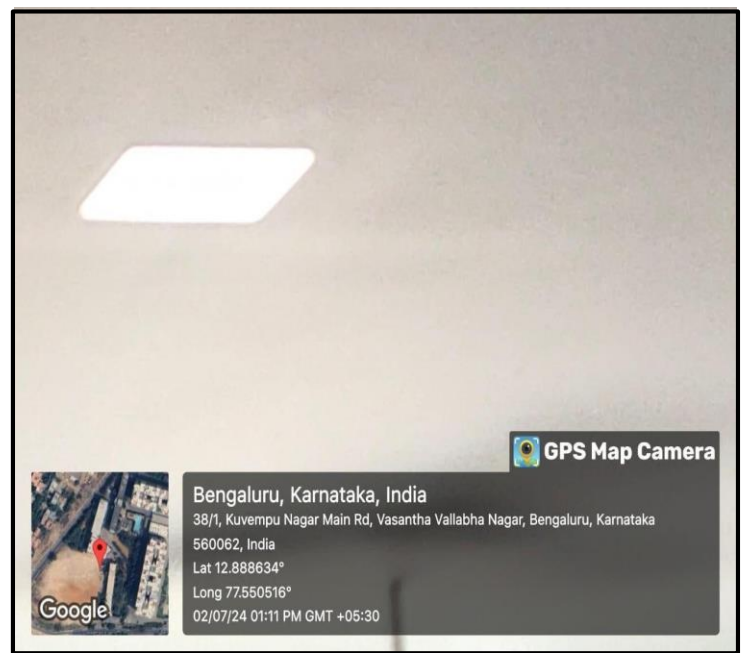
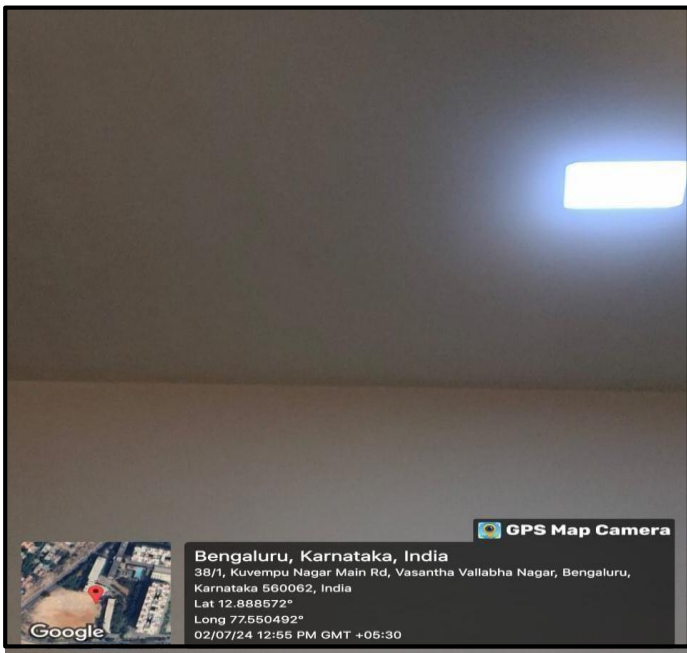
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USE OF LED BULBS AND SOLAR LIGHTS:

LED bulbs are an energy-efficient lighting choice, offering superior cost savings, power efficiency, and a longer lifespan compared to CFL bulbs.

USAGE OF LED LIGHTS IN LABS AND CLASS ROOMS





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ALTERNATE SOURCES OF ENERGY

WIND MILL



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Wind Mill:

City Engineering College harnesses wind energy through a **5kW** SRTPV system installed on the terrace of the Administration Block. This Kirloskar wind energy system contributes to the campus's power supply, supporting our commitment to renewable energy and sustainable practices. By utilizing wind power, the college not only reduces reliance on conventional energy sources but also promotes a cleaner, eco-friendly campus environment.

WIND MILL IN THE CEC CAMPUS-ADMIN BLOCK





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WIND MILL IN THE CEC CAMPUS-ADMIN BLOCK





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Tax Invoice

(ORIGINAL FOR RECIPIENT)

ZIGMA TECHNOLOGIES #19 & 20, DLF TOWN ROAD, BRINDAVAN ENCLAVE OFF BANNERGHATTA ROAD BANGALORE- 560068 PH: 9590137666 GSTIN/UIN: 29AAAFZ4321M1ZU State Name : Karnataka, Code : 29 E-Mail : E-Mail : accountz@zigma-technologies.com	Invoice No. ZT/2024/25/1372	Dated 4-Sep-24
	Delivery Note	Mode/Terms of Payment 50 % Advance & 50% After Completion
	Reference No. & Date. ZT/2024/25/1372 dt. 4-Sep-24	Other References
Buyer (Bill to) City Engineering College Unit of Jayangar Education Society, Kanakapura Main Road, Doddakallasandra Bangalore- 560062 GSTIN/UIN : 29AAATJ1100G1Z7 State Name : Karnataka, Code : 29	Buyer's Order No.	Dated
	Dispatch Doc No.	Delivery Note Date
	Dispatched through	Destination
	Terms of Delivery	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	KIRLOSKAR 5KW SRTPV SYSTEM - SYSTEMS 5kW Horizontal axis wind turbine x 1 nos MPPT based charge controller 48V/80A x 1 nos Monopole Tower type 20ft x 1 nos-MS with PU coating Data logger with Energy Meter x 1 no Wind braking system x 1 no Cup Anemometer x 1 no 48V/48V/10kVA Inverter - Amaze from Luminous x 1 no 48V/165Ah C10 Rated Tall Tubular Battery bank/LiFast x 1 set Battery Rack and accessories x 1 set Isolation and safety switches x 1 set DC Fuse Breakers x 1 set ACDB x 1 no Cables and accessories (L/s) Warranty: 2 Years for Inverter Warranty: 5 Years for Batteries Warranty: Wind turbine and controller: 1 year Note : Accessories do not carry warranty Note 2: AC Input/ Output Cabling Charges Will Be Extra Depending Upon the Site Inspection.	85414011				4,22,500.00
	Central Tax (CGST) @ 6%				6 %	25,350.00
	State Tax (SGST) @ 6%				6 %	25,350.00
	Total					₹ 4,73,200.00

Amount Chargeable (in words) **INR Four Lakh Seventy Three Thousand Two Hundred Only** E. & O.E

HSN/SAC	Taxable Value	CGST		SGST/UTGST		Total Tax Amount
		Rate	Amount	Rate	Amount	
85414011	4,22,500.00	6%	25,350.00	6%	25,350.00	50,700.00
Total	4,22,500.00		25,350.00		25,350.00	50,700.00

Tax Amount (in words) : INR Fifty Thousand Seven Hundred Only	
Company's VAT TIN : 29560796462	
Company's PAN : AAAFZ4321M	
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.	for ZIGMA TECHNOLOGIES Y RAGHAVENDRA Authorised Signatory

This is a Computer Generated Invoice



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ALTERNATE SOURCES OF ENERGY

SOLAR STREET LIGHTS



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SOLAR LIGHTS IN THE CAMPUS





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SOLAR LIGHTS IN THE CAMPUS





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Tax Invoice

MATHAJI MARKETING NO.99 PADMA COMPLEX LAXMAN RAO ROAD BANGALORE-560053 PH -080-10990873/ T T 8873 MO 984299755 GSTIN/UIN: 29AATP15031ZW State Name : Karnataka, Code : 29 Contact : 080-10990873, 9184299755 E-Mail : mathajimktng@gmail.com		Invoice No. e-Way Bill No. 819 Dated 18-Feb-21
Consignee (Ship to) Paramahansa Foundation Trust 157,8th Main 30th Cross 8th Block Jayanagar Banbgalore-560070 GSTIN/UIN : 29AAATP15031ZW State Name : Karnataka, Code : 29		Delivery Note Mode/Terms of Payment
Buyer (Bill to) Paramahansa Foundation Trust 157,8th Main 30th Cross 8th Block Jayanagar Banbgalore-560070 GSTIN/UIN : 29AAATP15031ZW State Name : Karnataka, Code : 29		Reference No. & Date. Other References
		Buyer's Order No. Dated
		Dispatch Doc No. Delivery Note Date
		Dispatched through Destination
Terms of Delivery		

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Amount	
1	Solar Led Street Light 40w	9405	45 Nos	3,330.00	3,171.43	Nos	1,42,714.35	
2	Solar Led Street Light 60w	9405	5 Nos	4,080.00	3,885.71	Nos	19,428.55	
							1,62,142.90	
							SGST 4,053.57	
							CGST 4,053.57	
							ROUND OFF 0.96	
Total							50 Nos	1,70,251.00

Amount Chargeable (In words) E. & O.E
One Lakh Seventy Thousand Two Hundred Fifty One INR Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
9405	1,62,142.90	2.50%	4,053.57	2.50%	4,053.57	8,107.14
Total			4,053.57		4,053.57	8,107.14

Tax Amount (In words) : **Eight Thousand One Hundred Seven INR and Fourteen paise Only**

Company's PAN : **BOFPM0565Q**

Declaration
 We declare that this Invoice shows the actual price of the goods described and that all particulars are true and

for **MATHAJI MARKETING**

Authorised Signatory