



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Thookanaickenpalayam - 638 506. GOBI TK, ERODE DT, Tamil Nadu.



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 for alternate sources of energy and energy conservation measures

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PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

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SOLAR ENERGY

Solar power is energy from the sun that is converted into **thermal or electrical energy**. In our college we use solar panel to reduce electricity.

Solar Power Plant

A 300 watt panel that receives 9 hours of sunlight per day will produce almost 2.5 kilowatt-hours per day. If we multiply this by 365 days per year, we get a solar output of about **900 kilowatt-hours annually**. In short, each panel will provide 900 kilowatt-hours each year.

We use 16 such 300 watt solar panels. In our solar plant we produce minimum 40 units of current in a day, 1200 units in a month and 14600 units in a year.

Type: 5 kW ON Grid Tied power plant

- * Installed at Roof top of our college main building
- * Month and year of Installation: September 2015
- * Total Cost: Rs. 5, 00,000/- (Rupees Five Lakhs Only)

We are attached Geotagged photos, Purchase Order and Bill of solar panel.



Solar Plant Located at Our Main Building Roof-Top

[Signature]

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Solar Panel Located at Our Main Building Roof-Top



Solar Battery Located at Our College Main Building Ground Floor

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THOOKANAICKENPALAYAM - 638 506, GOBI TK, ERODE DT. Tamil Nadu.

Phone: 04285-260755 / 262220, E-mail: principal309@gmail.com, website: www.jkkmct.edu.in

JKKMCT/PO/1922/SEP-2015

DATE: 23-09-2015

To

MURUGAN GROUP,
7/46, Karuppasamy kovil Street,
M.Reddiapatti, Aruppukottai (TK),
Virudhunagar - 626118.

Sir,

Sub: Purchase order for Solar Panel with Battery- Reg

With reference to your quotation, we are pleased to place an order the following Solar Panel with Battery as follows.

S.No	Product Descriptions	Unit Price / Quantity	Quantity	Total Amount
1	300 W _{max} Poly – Crystalline Photovoltaic module of 72 cells family with following specifications (VND – 44 V, V _{SU} – 36 V, I _{SEC} – 8.4 A)	14,625	16	2,34,000
2	7.5 KVA PCU model inverter with 40 Ampere MPPT (Maximum Power Point Tracking) charge controller	1,20,000	1	1,20,000
3	200 AH Tall Tubular C10 type Solar Battery	13,500	8	1,08,000
4	PV module structure	1,000	16	16,000
5	Installation and erection charges i) 10 Sq.mm pure copper wire for battery inter connections ii) 4 Sq.mm pure copper wire for PV module to inverter connection iii) Earthing rods and iv) Surge arrester for PV module	22,000	As Req.	22,000
Total Amount				5,00,000.00

The above mentioned all products total cost is Rs. 5, 00,000.00/- (Rupees: Five Lak Only) including All Tax and Transport Charge. Kindly make a deliver as soon as possible.



Thanking you,

[Signature]
PRINCIPAL

JKK MUNIRAJAH COLLEGE OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506. GOBI (TK), ERODE (Dt).

[Signature]
PRINCIPAL 23/9/15

JKK MUNIRAJAH COLLEGE OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506. GOBI (TK), ERODE (Dt).

To		INVOICE		
M/S. JKKMUNIRAJAH COLLEGE OF TECHNOLOGY T N Palayam, Near Gopi.		Number: MG/075 Date: 27/09/2015		
SNO	ITEM DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1	300 W _{mp} Poly-crystalline photovoltaic module of 72 cells family with following specifications (V _{oc} - 44 V, V _{sc} - 36V, I _{sc} - 8.1 A.)	16	14625	2,34,000
2	7.5 KVA PCU Model inverter with 40 Ampere MPPT (Maximum Power Point Tracking) Charge controller.	1	1,20,000	1,20,000
3	200AH Tall Tubular C10 type Solar Battery.	8	13,500	1,08,000
4	PV module Structure	16	1,000	16,000
5	Installation and Erection Charges includes			
	i) 10 Sq.mm pure copper wire for battery inter connections,	As Req.	22,000	22,000
	ii) 4 Sq.mm Pure copper wire for PV module to Inverter connection,			
	iii) Earthing rods and			
	iv) Surge arrester for PV module.			
			Subtotal	5,00,000
				5,00,000
	GRAND TOTAL			5,00,000

In Words: Rupees Five Lacs Only (inclusive of all taxes).

PANK DETAILS:-

BANK & BRANCH ADDRESS:
BANK OF INDIA
Mandapasalai, Aruppukottai (t.k),
Virudhunagar (d.t)
A/C NAME: MURUGAN GROUP
A/C NUMBER: 815420110000126
IFSC CODE: BKID0008154.

MMD
27/9/15

For MURUGAN GROUP

[Signature]
27/9/15

Reg office:
7/46, Karuppusamy kall street,
M.Reddipatti, Aruppukottai (T.K),
Virudhunagar-626118.
Website: www.murugangroup.com

Branch Office:
8/175, Chinnana samy kall street,
Neeeranthu, T.Vadipatti,
Madurai - 625 218.
Email id: info@murugangroup.com
cala@murugangroup.com

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**JKK MUNIRAJAH COLLEGE
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**T.N. PALAYAM (Po)-638 506.
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Thookanaickenpalayam - 638 506. GOBI TK, ERODE DT, Tamil Nadu.



BIO GAS PLANT

Introduction

Biogas, naturally occurring gas that is generated by the breakdown of organic matter by anaerobic bacteria and is used in energy production.

Bio gas plant in our college

A substantial portion of the biodegradable waste is food waste which is used to generate methane. This methane gas is then used by the Hostel mess employees for cooking purposes. The food wastes yield manure which has high nitrogen contents. This manure acts as an excellent soil conditioner. The manure output is about 10% of the total waste processed. The carbon to nitrogen ratio of this manure is 12:1 (similar to fertile land). It has phosphorous, potassium, iron and magnesium in small quantities. It is weed free and does not have any offensive smell.

In our biogas plant we feed 5 kgs food wastage per day. We can get 3 to 4 hours cooking time. No service and maintenance required. No need power. By-product of biogas plant is the slurry can be used as manure for plants.

Benefits

1. Our food wastes 100% recycled in our college only.
2. It can be used as cooking fuel alternative for LPG.

We attached geotagged photos , purchase order and bills of biogas plant.

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Bio Gas Plant Located at Our College Boys Hostel Mess Back Side



Bio Gas Plant Located at Our College Boys Hostel Mess Back Side

[Handwritten Signature]

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ISO 9001:2015 Certified Institution

JKKMCT/PO/2560/MAR-2021

DATE: 23-03-2021

To

BRITT ENVIROTECH
C-254, Cheran Managar
Villankurichi Road,
Coimbatore - 641035.

Sir,

Sub: Purchase order for Bio Gas Plant- Reg


With reference to your quotation, we are pleased to place an order the following Bio Gas Plant as follows.

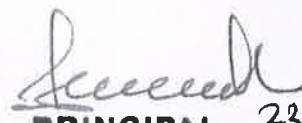
S.No	Product Descriptions	Unit Price / Quantity	Quantity	Total Amount
1	1 m 3 Bio Gas Plant Waste Feeding: 5 Kg Solid Food Waste Inclusive of : SS Control valve, Pressure Gage, Single Burner Bio Gas Stove, Feeding Hopper.	42,000	1 Set	42,000
Total Amount				42,000.00
CGST 2.5%				1050.00
SGST 2.5%				1050.00
Grand Total Including GST & Transport Charges				44,100.00

The above mentioned all products total cost is **Rs. 44,100.00/- (Rupees: Forty Four Thousand hundred only) including All Tax and Transport Charge.** Kindly make a deliver as soon as possible.

Thanking you,




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PRINCIPAL 23/3/21
JKK MUNIRAJAH COLLEGE OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (TK), ERODE (Dt).



The Origin of Green Energy

INVOICE


Original

GSTIN : 33AANFB3384K1Z7					
Invoice No : BE / BG / 055 / 20 - 21		Date : 31.03.2021			
Details Of Receiver					
M/S. J.K.K. Munirajah College of Technology			Quote No: BE / BG / 210 / 20 - 21		
TN Palayam Post, Gobi (T.k)			Quote Date: 25.01.2021		
Erode: 638 506			Po Date: 23.03.2021		
S. No	Despcription	HSN Code	Qty	Rate/ Per	Amount
1	1m3 Biogas Plant Waste Feeding: 5kg solid food waste Inclusive of: SS Control Valve, Pressure Gauge, Single Burner Biogas Stove, Feeding Hopper.	8405	1 Set	42,000.00	42,000.00
Sub Total					42,000.00
CGST @ 2.5%					1,050.00
SGST @ 2.5%					1,050.00
Total					44,100.00

Rupees In Words: Forty Four Thousand One Hundred Only

Certificate that the Particulars given above are true and correct

Terms & Conditions of Sale	For Britt Envirotech
Payment Terms : Immediate Transport Through : By Auto Vehicle No :	For BRITT ENVIROTECH  Authorized Signatory Authorised Signatory


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T.N. PALAYAM (Po)-638 506.
GObi (Tk), ERODE (Dt).

BRITT ENVIROTECH
The Origin of Green Energy

C-254, Cheran Maanagar, Villankurichi Road, Coimbatore - 641 035.
Phone : 0422 - 4354890 • E-mail : info@brittenvirotech.com
GSTIN : 33AANFB3384K1Z7



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

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Thookanaickenpalayam - 638 506. GOBI TK, ERODE DT, Tamil Nadu.



Sensor-based energy conservation

Energy conservation

Energy conservation is the effort made to reduce the consumption of energy by using less of an energy service. Energy can be conserved by reducing wastage and losses, improving efficiency through technological upgrades and improved operation and maintenance.

Sensor based automatic light

Energy conservation is very important to not only for our country but also to the world. In our campus we use sensor based light with solar panel. It is two in one purpose. One is in a day time it save energy from the sun using solar panel and another one is it glows both day and night time only our people going in front of the sensor based light. So we reduce current consumption and also save wastage of electricity.

We attached geotagged photos, purchase order and bills of sensor based light.



Sensor Based Automatic Light in Our College Main Building Front

Sreedh
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Sensor Based Automatic Light Near to Basket Ball Ground



PhotoBasket Ball Ground Sensor Light at Night

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(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

JKKMCT/PO/2123/MARCH-2021

DATE: 03-03-2021

To

KILINJAL ENTERPRISES,
98, Anna Nagar,
T.Kottampatti,
Pollachi - 642002.

Sir,

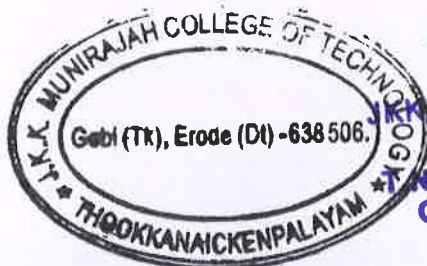
Sub: Purchase order for Sensor based Solar Street Light- Reg

With reference to your quotation, we are pleased to place an order the following Sensor based Solar Street Light as follows.

S.No	Product Descriptions	HSN Code	Unit Price / Quantity	Quantity	Total Amount
1	All in one Solar Street Light 40 Watt	94055040	3,060	1	3,060.00
2	All in one Solar Street Light 60 Watt		4,080	1	4,080.00
Total Amount					7,140.00
CGST 5%					178.50
SGST 5%					178.50
Grand Total					7,497.00

The above mentioned all products total cost is **Rs. 7,497.00/-** (Rupees: Seven Thousand Four hundred and Ninety Seven Only) including All Tax and Transport Charge. Kindly make a deliver as soon as possible.

Thanking you,

PRINCIPAL**J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).****PRINCIPAL****J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).**

GSTIN : 33AAWFK1142P12V

TAX INVOICE

CE II : 9080460353

8220395787

KILINJAL ENTERPRISES

98, Anna Nagar, T.Kottampatti, Pollachi - 642002.

No: 24

Date: 09/03/2021

To: JKK M. Munirajah college of Technology

Crobachattipalayam

Ph: 9080470505

Party's GSTIN

Ref 1: U. Michael Raj

CASH / CREDIT DAYS

Ref 2:

S. No	Particulars	HSN Code	Qty	Rate	Rs	Amount	Ps
1.	All in one solar street light low	914055010	1	3060	3060	-	
2.	All in one solar street light low	"	1	4080	4080	-	

BANK DETAILS:

Bank Name :

A/C No :

Branch :

IFSC Code :

Sreedh
PRINCIPAL
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OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).

TOTAL	7,140	-
CGST 5%	178	50
SGST 5%	178	50
IGST %		
GRAND TOTAL	7,497	-

Rupees *seven thousand and four hundred ninety seven* Only

For **KILINJAL ENTERPRISES**

U. Michael Raj

Authorised Signature



J.K.K.MUNIRAJAH COLLEGE OF TECHNOLOGY

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Thookanaickenpalayam - 638 506. GOBI TK, ERODE DT, Tamil Nadu.



Use of LED Bulbs

LED is a Light Emitting Diode. LEDs generally consume very low amounts of power. The statistics to look for when comparing the energy efficiency of different lighting solutions are called by one of two terms: luminous efficacy or useful lumens. Use about 80 percent less electricity while providing the same brightness of the incandescents they replace.

Uses of LED bulbs in our college

We are using such kind of LED bulbs in our college class rooms, staff rooms, library, laboratories and also hostels. Using LED bulbs we reduce our usage of electricity and also reduce our electricity bill.

We attached geotagged photos, purchase order and bills of LED bulbs.



LED Bulbs in Our Main Building Class Room

[Signature]
PRINCIPAL

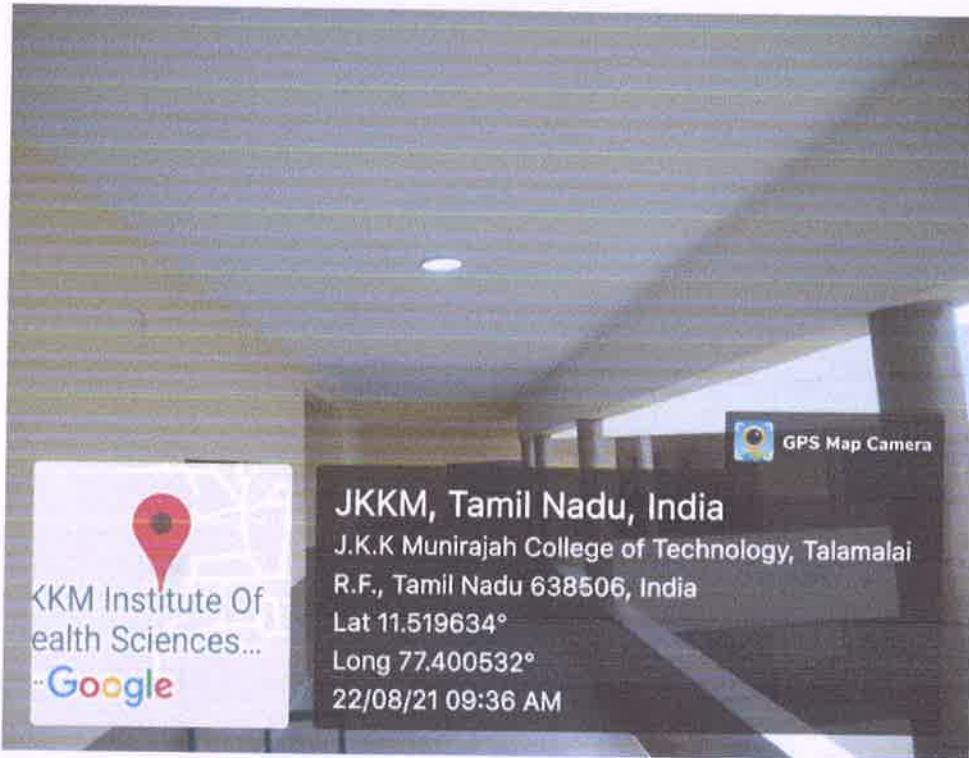
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T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).



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Thookanaickenpalayam - 638 506. GOBI TK, ERODE DT, Tamil Nadu.



LED Bulbs in Our Boys Hostel Floor



LED Bulbs in Our Girls Hostel Floor

[Handwritten Signature]

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GOBI (Tk), ERODE (Dt).



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(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

JKKMCT/PO/1980/JAN-2021

DATE: 22-01-2021

To

RADHA ELECTRICALS,
153, Mettur Road,
Erode - 638011.

Sir,

Sub: Purchase order for LED bulbs- Reg

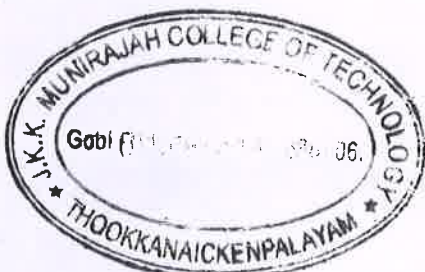
With reference to your quotation, we are pleased to place an order the following LE bulbs as follows.

S.No	Product Descriptions	HSN Code	Unit Price / Quantity	Quantity	Total Amount
1	Crompton 48" HS Brown	8414	1,355.93	125	1,69,491.25
2	SAMSON 20w LED Eco Square Tube	85395000	187.50	146	27,375.00
3	Finoled 5w LED bulb	85395000	62.50	63	3,937.50
4	Finoled 3w LED bulb	85395000	58.40	163	3,656.52
Total Amount					2,04,460.27
CGST 5%					17,352.35
SGST 5%					17,352.35
Round Off					0.03
Grand Total					2,39,165.00

The above mentioned all products total cost is **Rs. 2, 39,165.00/- (Rupees: Two Lak Thirty Nine Thousand One Hundred and Sixty Five Only)** including All Tax and Transpo Charge. Kindly make a deliver as soon as possible.

Thanking you,

PRINCIPAL
JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 508.
GOBI (Tk), ERODE (Dt).



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OF TECHNOLOGY
T.N. PALAYAM (Po)-638 508.
GOBI (Tk), ERODE (Dt).

e-Way Bill No.:
Invoice No. GST/CR/1952

(ORIGINAL FOR RECIPIENT)

Dated 29-Jan-2021

Radha Electricals
153, Meltur Road,
Erode.638011
0424 2254561, 98428 25456, 7373015456
7373055456, 9842725456
GSTIN/UIN: 33ADBPB8059L1ZK
State Name : Tamil Nadu, Code : 33
E-Mail : radhaelectricalserode@gmail.com

Tax Invoice

Party : **JKK Munirajah College of Technology**
TN Palayam
State Name : Tamil Nadu, Code : 33

SI No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	Crompton 48" HS Brown W/o Reg	8414	125 NOS	1,355.93	NOS		1,69,491.25
2	SAMSON 20w Led Eco Square Tube	85395000	146 NOS	187.50	NOS		27,375.00
3	Finoled 5w Led Bulb	85395000	63 NOS	62.50	NOS		3,937.50
4	Finoled 3w LED Bulb	85395000	63 NOS	58.04	NOS		3,656.52
							2,04,460.27
SGST - Outward							17,352.35
CGST - Outward							17,352.35
Round Off							0.03
			Total	397 NOS			₹ 2,39,165.00

Material Received
R. Suresh
[Electronics]
Material checked
R. Anil
of store etc

2,39,165
CHECKED BY

Amount Chargeable (in words) **Two Lakh Thirty Nine Thousand One Hundred Sixty Five Only** E. & O.E

Indian Rupees **Two Lakh Thirty Nine Thousand One Hundred Sixty Five Only**

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8414	1,69,491.25	9%	15,254.21	9%	15,254.21	30,508.42
85395000	34,969.02	6%	2,098.14	6%	2,098.14	4,196.28
Total	2,04,460.27		17,352.35		17,352.35	34,704.70

Tax Amount (in words) : **Indian Rupees Thirty Four Thousand Seven Hundred Four and Seventy paise Only**

Company's Bank Details
Bank Name : City Union Bank Limited
A/c No. : 059120000125968
Branch & IFS Code: Erode & CIUB0000059

[Signature]
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T.N. PALAYAM (P.O)-638506.
GOBI (Tk), ERODE (Dt).

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

[Signature]
for Radha Electricals
Authorised Signatory