



The Institution has facilities for alternate sources of energy and energy conservation

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power-efficient equipment

Options:

- A. Any 4 or All of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1 of the above
- E. None of the above

ANSWER: A. Any 4 or All of the above

Energy is an essential element for human development and economic growth. Rapid population growth, rising living standards, and technological development are the main factors behind the increased energy demand.

Any sustainable energy source that comes from the natural environment is a renewable energy source. Renewable energy is energy that is produced from natural processes and continuously replenished.

The alternative Energy Sources of Narsimha Reddy Engineering College is made for proper implementation and efficient utilization of renewable Energy Sources. The college management has taken following measures for conserving the energy.

Solar Energy:

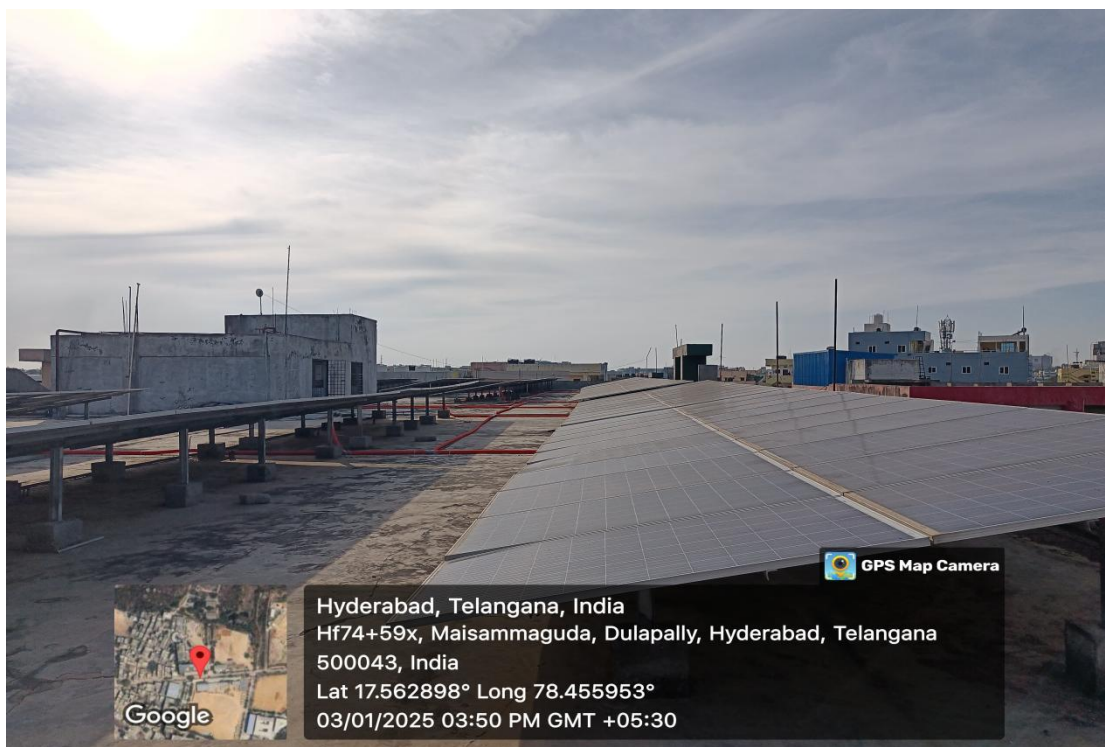
Solar panels and solar heaters are ways to harness the sun's energy for various purposes, including generating hot water, producing electricity, and powering solar lighting systems:

Solar electricity: Solar cell panels convert the sun's energy into electricity.

The College has been taken various efforts to utilize the solar energy in an effective manner. In our college a 100 KW Solar Plant is installed at the Roof top of MT block and generated power interconnected with the Grid for the energy utilization in the college. In addition to that the Solar street lightning system has been installed in various places in our college campus.



SOLAR PANELS INSTALLED ON THE ROOF TOP OF MOTHER TERESA BLOCK





SOLAR STREET LIGHTS INSTALLED IN THE OPEN SPACE OF THE CAMPUS

**COOLKARU INFO SOLUTIONS PRIVATE LIMITED**

Plot no 13.4th Floor Akshaya Space, Kavuri Hills Phase II Ext,
Madhapur, Hyderabad 500081.
Email ID: prudhvi@coolkaru.com
Telephone No: 8096742333
GSTIN: 36AAGCC0706L1ZR

Tax Invoice

Invoice No : 33
Invoice Date : 08-05-2019
Reverse Charge(Y/N) : N
State : Telangana **Pin Code** : 500081
Transport Mode : Company Transport
Vehicle Number : TS07UF6396
Date of Supply : 28-04-2019
Place of Supply : Kothagudem

Bill to Party

Name : Jakkula Educational Society
Address : Sy.No 580/Part, Maisammaguda Village
Medchal Mandal, Medchal District, Telangana, 500100

S. No	Product Description	HSN/ SAC Code	Qty	Rate	Amount	Dis count	Taxabl e Value	CGST		SGST		Total
								Rate (%)	Amt	Rate (%)	Amt	
1	Supply of 100kw On Grid Solar Power Pack System and Installation and Commissioning Charges	8541	1Set	602219 0	602219 0		602219 0	2.50	150554.7 5	2.50	15055 4.75	63,23,299.5
2	Installation & Commissioning Charges	9954	1Set	65000	65000		65000	9.00	5850	9.00	5850	76,700
Total											Rs. 63,99,999.5	
Round off											Rs.0.5	
Net Payable											Rs.64,00,000	


Total Invoice Amount in words : Sixty Four Lakhs Rupees Only

30% of MNRE Subsidy

19,20,000

Note: Subsidy Component will be released to the beneficiary Bank Account for an amount of Rs

19,20,000

Bank Details: HDFC	Certified that the particulars given above are true and correct
Bank A/C : 50200013659415	
Bank IFSC : HDFC0000545	
Terms & Conditions	 Authorized Signatory
Customer Payment Particulars (Cash Payments Not Allowed)	
Chq.no/DD no./RTGS No : 759020	
Date : - 20-04-2019	
Amount : - 35,00,000	

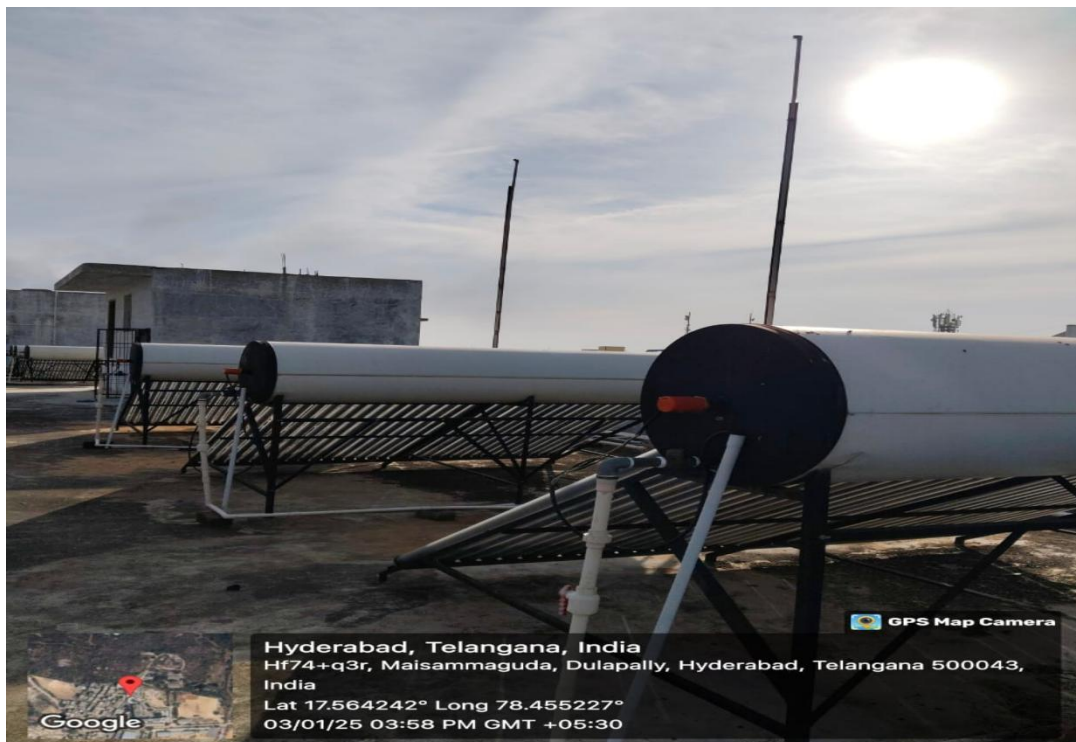
Signature of Beneficiary

CoolKarU Info Solutions Pvt Ltd

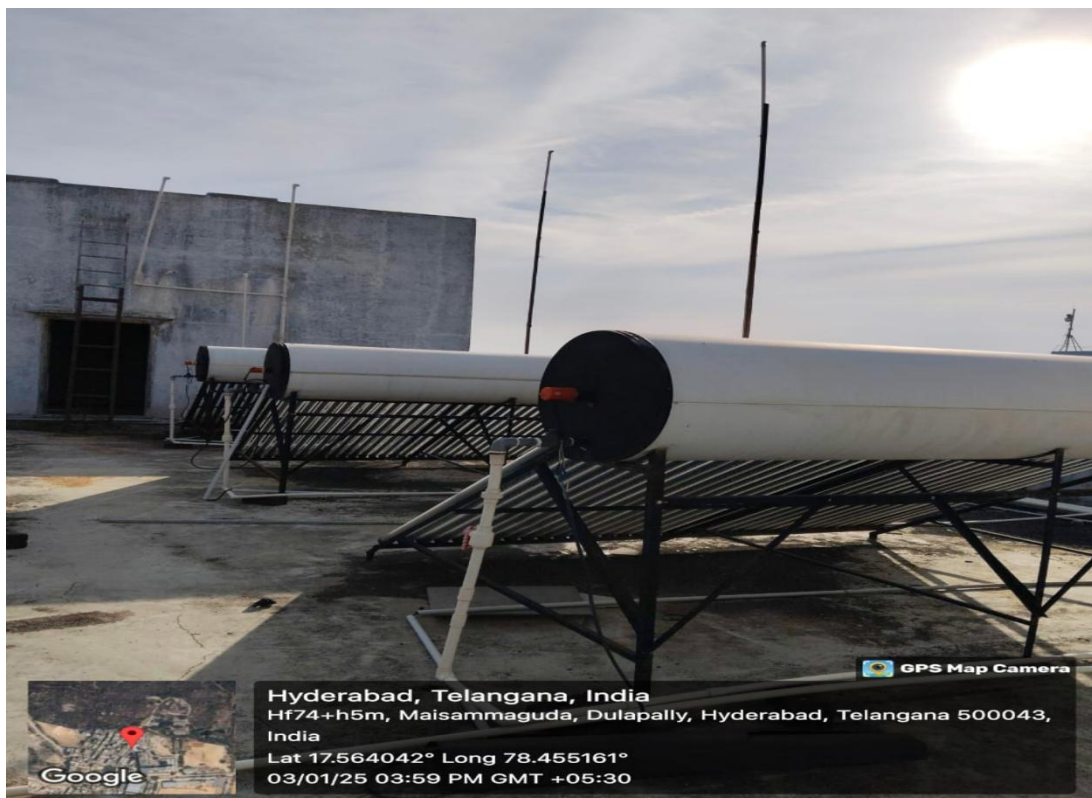
4th Floor, Plot No: 13, Kavuri Hills, Phase II Ext, Madhapur, Hyderabad 500081
E: info@coolkaru.com, www.coolkaru.com

BILLS OF SOLAR PANELS& THEIR INSTALLATION

Solar water heating: A solar thermal collector uses sunlight to generate hot water. The Solar Water Heater is used to generate the hot water by sunlight. Six number of Solar Water Heaters are utilized in the Girls Hostel in our college.




SOLAR WATER HEATERS ON THE ROOF TOP OF GIRLS HOSTEL





GST INVOICE

M/S :- COOLKARU INFO SOLUTIONS PVT.LTD Address: Plot No:13, 4 th Floor, Akshaya Space, Kavuri Hills Phase II Ext. Madhapur, Hyderabad, Telangana. 500081. info@coolkaru.com , www.coolkaru.com			Invoice No: 63 Date: 29-Jul-2019		
Buyer: JAKKULA EDUCATIONAL SOCIETY, Address: Sy.No 580/Part, Maisammaguda Village, Medchal Mandal, Medchal District, Telangana.500100			BUYER: Narasimha Reddy Engineering College.		
Reference(s):					
S. No	Description of Goods	HSN CODE	QTY	RATE IN INR	AMOUNT IN INR
1	Solar Water Heater 500Lpd 58/2100 ETC.MS.With transportation and Installation	841919	6 No's	51666.16	3,09,997.00
Grand Total					Rs. 3,09,997.00
Amount in Words: Three Lakh Nine Thousand Nine Hundred Ninety Seven Rupees Only					
GST IN/UIN: 36AAGCC0706LIZR			PAN : 36AAGCC0706L		
For M/s. Coolkaru Info Solutions Private Limited					
 Authorized Signatory					

Coolkaru Info Solutions Pvt Ltd
4th Floor, Plot No: 13, Kavuri Hills, Phase II Ext. Madhapur, Hyderabad 500081
E: info@coolkaru.com, www.coolkaru.com

BILLS OF SOLAR WATER HEATERS & THEIR INSTALLATION

Wheeling to the Grid

The energy output of the solar panels are utilized for the power requirements of the college and power output of the solar panels are also connected to the power grid where the excess power produced by the solar panels are supplied to the grid.

SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED
 HT C.C. Bill for the month of December 2023, Date: 01-Jan-24
 PAYABLE ON OR BEFORE dated: 15-Jan-24 DISCONNECTION DATE: 30-Jan-24

Contracted MD (KVA/HP)	130	Consumer No.	MCL1437
Specified Voltage (KV)	11	Name	M/S. JAKKULA EDUCATIONAL SOCIE
Actual Voltage (KV)	11	ADDRESS1	SY.NO.580/PART,MAISAMMAGUDA(V)
Feeder : 107311540203 (CF)		ADDRESS2	G.P.PALLY,MEDCHAL(M),
Category	2A	ADDRESS3	R.R.DIST

	KWH	KVAH	KVA	TOD1	TOD2
Reading On 31-DEC-23	212581.00	224222.00	31.32	29734.00	54461.00
Reading On 01-DEC-23	206014.00	217174.00		28170.00	53034.00
Difference ST:01	6567.00	7048.00		1564.00	1427.00
Multiplying Factor	2.00	2.00	2.00	2.00	2.00
Total Consumption	13134.00	14096.00	62.64	3128.00	2854.00
Monthly Minimum Units	2600.00		104.00		
Main Consumption	12496.00	Colony	0.00	L&F	0.00

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs.475	104	49400.00
Demand Charges Penal	Rs.950	0	0.00
Energy Charges	Ps.880	12496	109964.80
TOD Charges	Ps.100	5982	5982.00
Electricity Duty	Ps.6	12496	749.76
Colony Charges	Ps.730	0	0.00
L&F Charges	Ps.880	0	0.00
FSA Charges			0.00

Supplier Name	NetKWH	KVA	TOD	Sub Total	166096.56
				Cust Charges	2000.00
				ACD SCHG	0.00
				UI Charges	0
				CS Surcharge	0.00
				Addl.SCHG OA	0.00
				Late Pmt Chrg	0.00
				Interest on ED	0
				Incentive TOD1	-2890.00
				Incentive TOD2	-942.00
				Wheeling Charges	0
				Transmission Charges	0
				Other Charges-I	0
				Other Charges-II	0
				Gross Total	164265.00
				IT TCS U/s 206C(1H)	0.00
				Other Credit Adj.	
				Net Bill Amount	164265
				Total Arrears	0
				Total Amount Payable	164265

Note: ACD Due for 2023-24 Rs. 0

One Lakh Sixty Four Thousand Two Hundred and Sixty Five Only

Note: This bill is settled based on the provisions of inter state settlements.

If any short fall occurred in this bill due to the inter state Open Access

SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED
 HT C.C. Bill for the month of August 2023, Date: 01-Sep-23
 PAYABLE ON OR BEFORE dated: 15-Sep-23 DISCONNECTION DATE: 30-Sep-23

Contracted MD (KVA/HP)	130	Consumer No.	MCL1437
Specified Voltage (KV)	11	Name	M/S. JAKKULA EDUCATIONAL SOCIE
Actual Voltage (KV)	11	ADDRESS1	SY.NO.580/PART,MAISAMMAGUDA(V)
Feeder : 107311140203 (CF)		ADDRESS2	G.P.PALLY,MEDCHAL(M),
Category	2A	ADDRESS3	R.R.DIST

	KWH	KVAH	KVA	TOD1	TOD2
Reading On 31-AUG-23	181280.00	191381.00	24.00	24205.00	48129.00
Reading On 01-AUG-23	173011.00	182544.00		23139.00	46228.00
Difference ST:01	8269.00	8837.00		1066.00	1901.00
Multipling Factor	2.00	2.00	2.00	2.00	2.00
Total Consumption	16538.00	17674.00	48.00	2132.00	3802.00
Monthly Minimum Units	2600.00		104.00		
Main Consumption	16448.00	Colony	0.00	L&F	0.00

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs.475	104	49400.00
Demand Charges Penal	Rs.950	0	0.00
Energy Charges	Ps.880	16448	144742.40
TOD Charges	Ps.100	5934	5934.00
Electricity Duty	Ps.6	16448	986.88
Colony Charges	Ps.730	0	0.00
L&F Charges	Ps.880	0	0.00
FSA Charges			0.00

Supplier Name	NetKWH	KVA	TOD	Sub Total
				201063.28
				Cust Charges 2000.00
				ACD SCHG 0.00
				UI Charges 0
				CS Surcharge 0.00
				Addl.SCHG OA 0.00
				Late Pmt Chrg 0.00
				Interest on ED 0
				Incentive TOD1 -4352.00
				Incentive TOD2 -1532.00
				Wheeling Charges 0
				Transmission Charges 0
				Other Charges-I 0
				Other Charges-II 0
				Gross Total 197179.00
				C.C.Charge 0.00
				IT TCS U/s 206C(1H) 0.00
				Other Credit Adj. 0.00
				Net Bill Amount 197179
				Total Arrears 0
				Total Amount Payable 197179

*****Net Meter(KWH) Details*****

Closing/Opening Reading : 118328/117715 |

Recorded Units : 1226

Opening Balance Units:0

Cumulative Banked Units : 0

*****Arrears as on 31/08/23*****

C.C.Charge TCsonArrear IT TCS U/s 206C(1H)

Court Cases Rs. 0 0.00

Others Rs. 0 0.00

Total Rs. 0 0.00

Note: ACD Due for 2023-24 Rs. 0

One Lakh Ninty Seven Thousand One Hundred and Seventy Nine Only

Note:This bill is settled based on the provisions of inter state settlements.

If any short fall occurred in this bill due to the inter state Open Access

SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED
 HT C.C. Bill for the month of May 2023, Date: 01-Jun-23
 PAYABLE ON OR BEFORE dated: 15-Jun-23 DISCONNECTION DATE: 30-Jun-23

Contracted MD (KVA/HP) 130	Consumer No. MCL1437
Specified Voltage (KV) 11	Name M/S. JAKKULA EDUCATIONAL SOCIE
Actual Voltage (KV) 11	ADDRESS1 SY.NO.580/PART,MAISAMMAGUDA(V)
Feeder : 107311140203 (CF)	ADDRESS2 G.P.PALLY,MEDCHAL(M),
Category 2A	ADDRESS3 R.R.DIST

	KWH	KVAH	KVA	TOD1	TOD2
Reading On 31-MAY-23	156833.00	165504.00	28.00	20661.00	42718.00
Reading On 01-MAY-23	152594.00	161009.00		20143.00	41724.00
Difference ST:01	4239.00	4495.00		518.00	994.00
Multipling Factor	2.00	2.00	2.00	2.00	2.00
Total Consumption	8478.00	8990.00	56.00	1036.00	1988.00
Monthly Minimum Units	2600.00		104.00		
Main Consumption	6924.00	Colony	0.00	L&F	0.00

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs.475	104	49400.00
Demand Charges Penal	Rs.950	0	0.00
Energy Charges	Ps.880	6924	60931.20
TOD Charges	Ps.100	3024	3024.00
Electricity Duty	Ps.6	6924	415.44
Colony Charges	Ps.730	0	0.00
L&F Charges	Ps.880	0	0.00
FSA Charges			0.00

Supplier Name	NetKWH	KVA	TOD	Sub Total	
				113770.64	
				Cust Charges	2000.00
				ACD SCHG	0.00
				UI Charges	0
				CS Surcharge	0.00
				Addl.SCHG OA	0.00
				Late Pmt Charg	0.00
				Interest on ED	0
				Incentive TOD1	-2176.00
				Incentive TOD2	-788.00
				Wheeling Charges	0
				Transmission Charges	0
				Other Charges-I	0
				Other Charges-II	0
				Gross Total	112807.00
				IT TCS U/s 206C(1H)	0.00
				Other Credit Adj.	
				Net Bill Amount	112807
				Total Arrears	0
				Total Amount Payable	112807

Note: ACD Due for 2023-24 Rs. 0
 One Lakh Twelve Thousand Eight Hundred and Seven Only
 Note: This bill is settled based on the provisions of inter state settlements.
 If any short fall occurred in this bill due to the inter state Open Access

Sensor-based energy conservation:

Sensor-based energy conservation systems offer NRCM a powerful tool for improving energy efficiency, reducing costs, engaging stakeholders, and demonstrating leadership in sustainability.

Sensor Based lights are used in the campus to add to the pre-existing multiple energy conservation methods. Sensor based lights saves energy by automatically putting off the lights when not in use. This not only saves energy but it also acts as a security light to keep the campus safe.

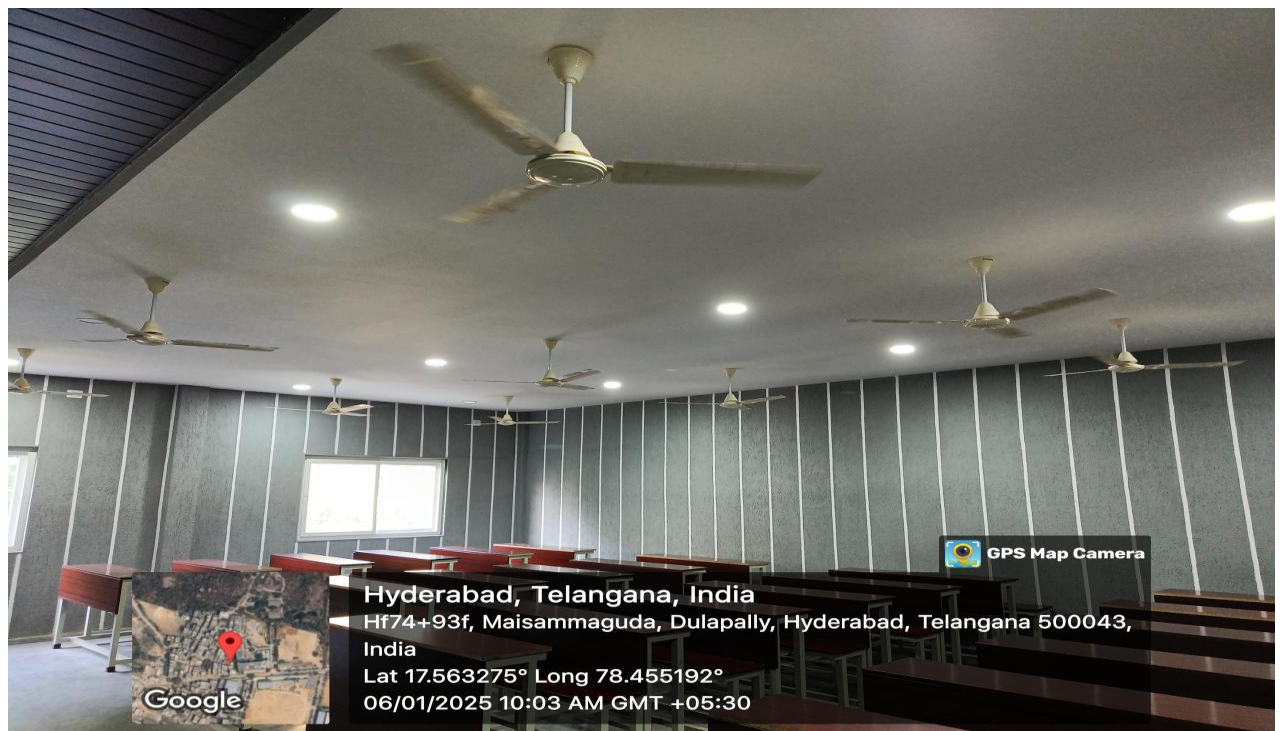


Use of LED Bulbs / Power Efficient Equipment:

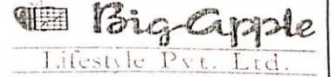
LEDs have various benefits, such as lower power consumption, a longer lifespan, increased physical durability, smaller size, and quicker switching. LED lighting devices produce up to 90% more light than incandescent bulbs.



LEDs INSTALLED IN CORRIDORS AND CLASSROOMS



Bigapple Lifestyle Pvt. Ltd.
1-8-673/A/6,
IDA, Azamabad,
Hyderabad
500020
Telangana, India
Contact No : 04027891919 / 040 27899222
Email Id : customercare@bigapple.in
GST No : 36AAGCB2713E124
PAN No : AAGCB2713E CIN No : U74900TG2015PTC098477



Tax Invoice / Delivery Challan

Commissionerate : Hyderabad - III
Division : Uppal
Range : Nacharam

Please make payment only by Cheque / NEFT / RTGS.
Do not make cash payments

Billing Address
Narasimha Reddy Engineering College (500043)
MSR BOYS HOSTEL, MALLA REDDY COLLEGE
Maisammaguda, Dulapally, Hyderabad,
Telangana
500,043
GST No. :
Contact No : 9849775454
Email Id :

Delivery Address
Same As Billing Address

Invoice No : GSI-11404-2223
PO No. :

Invoice Dt. : 11-February-2023
PO Dt. : 1/1/1900 12:00:00AM

Contact No. :
GST No. :

Email Id :

S.No	Description	HSN / SAC Code	Qty	Units	Rate	Discount	Tax Val Per Pc	Tax Value	SGST		CGST		IGST	
									Rate	Amount	Rate	Amount	Rate	Amount
1	18W LED Module PL1 CW	94054090	100.00	nos	533.66	30,061.00	233.05	23,304.93	9.00	2,097.00	9.00	2,097.00	0.00	0.00

Transporter :
Vehicle No. :
LR No. :
Date & Time of Supply : 11-February-2023
Place of Supply : Telangana
Warranty : 2 Years Warranty

Bank Details SM: KS
Bank: M/s. HDFC Bank Branch: S.D. Road, Secunderabad
Account Name: Bigapple Lifestyle Pvt. Ltd.
MICR Code: 500240003
Account Type: Current Account IFSC Code: HDFC0000042
Account No: 50200017557283

Sub Total 53,366.00
Discount 30,061.07
P&T, R&I 0.00
SGST Amount 2,097.00
CGST Amount 2,097.00
IGST Amount 0.00
Net Amt 27,499.82

Amount In Words : TWENTY-SEVEN THOUSAND FIVE HUNDRED ONLY

Terms & Conditions

Warranty Not applicable on Burns / physical Damages
All disputes subject to Hyderabad Jurisdiction
Warranty Void if item is tampered with or opened
Please make only bank payments i.e. RTGS / NEFT / IMPS / Cheques / DDs, etc
Please do not make any cash payments

All payments after the credit period will be charged 18% p.a. interest
If goods are returned, a processing fee including transportation will be charged at 7.5% of the value of goods returned apart from interest

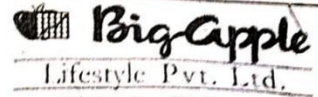
If any cash payments are made without any official company receipt, the company will not be liable.
Do not return material to any salesman. Returns to be made only to Company Authorized Courier Company

Payment Terms
100% Payment in Advance
Special Remarks:
Book on COD basis.

For Bigapple Lifestyle Pvt. Ltd.
Authorized Signatory

BILLS OF LEDs PURCHASED

Bigapple Lifestyle Pvt. Ltd.
1-8-073/A/6,
IDA, Azamabad,
Hyderabad
500020
Telangana, India
Contact No : 04027801010 / 040 27899222
Email Id : customercare@bigapple.in
GST No : 36AAGCB2713E124
PAN No : AAGCB2713E CIN No : U74900TG2015PTC098477



Tax Invoice / Delivery Challan

Commissionerate : Hyderabad - III
Division : Uppal
Range : Nacharam

Please make payment only by Cheque / NEFT / RTGS.
Do not make cash payments

Billing Address
Narasimha Reddy Engineering College(500100)
Maisammaguda, Dulapally,
Hyderabad
Telangana
500,100
GST No. :
Contact No : 09849775454
Email Id :

Delivery Address
Same As Billing Address

Invoice No : GSI-2395-2324
PO No. :

Invoice Dt. : 24-July-2023
PO Dt. : 1/1/1900 12:00:00AM
Customer ID : 230,993

Contact No. :
GST No. :

Email Id :

S.No	Description	HSN / SAC Code	Qty	Units	Rate	Discount	Taxable Val Per Pc	Taxable Value	SGST		CGST		IGST	
									Rate	Amount	Rate	Amount	Rate	Amount
1	18W LED Module PL1 CW	94054090	70.00	nos	533.66	20,766.00	237.00	10,589.89	9.00	1,501.00	9.00	1,501.00	0.00	0.00
2	12W LED Module PL5R SOL CW	94054090	10.00	nos	410.71	2,283.00	182.40	1,823.96	9.00	172.00	9.00	172.00	0.00	0.00

Transporter :
Vehicle No. :
LR No. :
Date & Time of Supply : 24-July-2023
Place of Supply : Telangana
Warranty : 2 Years Warranty

Bank Details SM: KS
Bank: M/s. HDFC Bank Branch: S.D. Road, Secunderabad
Account Name: Bigapple Lifestyle Pvt. Ltd.
MICR Code: 500240003
Account Type: Current Account IFSC Code: HDFC0000042
Account No: 50200017557288

Sub Total 41,483.30
Discount 23,049.45
P&T, R&I 169.48
SGST Amount 1,873.00
CGST Amount 1,873.00
IGST Amount 0.00
Net Amt 21,928.33

Amount In Words : TWENTY-ONE THOUSAND NINE HUNDRED TWENTY-EIGHT ONLY

Terms & Conditions

Warranty Not applicable on Burns / physical Damages
All disputes subject to Hyderabad Jurisdiction
Warranty Void if item is tampered with or opened
Please make only bank payments i.e. RTGS / NEFT / IMPS / Cheques / DDs, etc
Please do not make any cash payments

All payments after the credit period will be charged 18% p.a. interest
If goods are returned, a processing fee including transportation will be charged at 7.5% of the value of goods returned apart from interest

If any cash payments are made without any official company receipt, the company will not be liable.

Payment Terms
COD
Special Remarks:
Book on COD Basis

Do not return material to any salesman. Returns to be made only to Company Authorized Courier Company

For Bigapple Lifestyle Pvt. Ltd.
Authorized Signatory

estyle Pvt. Ltd.

bad,

ndia

: 04027891919 / 040 27899222

customer@bigapple.in

36AAGCB2713E124

AAGCB2713E

CIN No: U74900TG2015PTC098477

2018



Lifestyle Pvt. Ltd.

Please make payment only by Cheque / NEFT / RTGS.

Do not make cash payments

Tax Invoice / Delivery Challan

Commissionerate: Hyderabad - III

Division: Uppal

Range: Nacharam

ess

reddy

uda, Dulapally,

100)

Delivery Address

Same As Billing Address

Invoice No: GSI-4696-2324

PO No.:

Invoice Dt.: 04-November-2023

PO Dt.:

Contact No: 09849775454

Email Id:

Contact No.:

GST No.:

Email Id:

Description	HSN / SAC Code	Qty	Units	Rate	Discount	Tax Val Per Pc	Tax Value	SGST		CGST		IGST	
								Rate	Amount	Rate	Amount	Rate	Amount
18W LED Module PL1 CW	94054090	50.00	nos	533.66	14833.00	237.00	11849.92	9.00	1105.00	9.00	1105.00	0.00	0.00

Bank Details	SM: Kiran Sai M	Sub Total	26683.00
Bank: M/s. HDFC Bank Branch: S.D. Road, Secunderabad		Discount	14833.08
Account Name: Bigapple Lifestyle Pvt. Ltd.		P&T, R&I	423.72
MICR Code: 500240003		SGST Amount	1105.00
Account Type: Current Account IFSC Code: HDFC0000042		CGST Amount	1105.00
Account No: 50200017557288		IGST Amount	0.00
		Net Amt	14482.90

Words: FOURTEEN THOUSAND FOUR HUNDRED EIGHTY-THREE ONLY

nditions

it applicable on Burns / physical Damages

subject to Hyderabad Jurisdiction

id if item is tampered with or opened

e only bank payments i.e. RTGS / NEFT / IMPS / Cheques / DDs, etc

ol make any cash payments

All payments after the credit period will be charged 18% p.a. interest

If goods are returned, a processing fee including transportation will be charged at 7.5% of the value of goods returned apart from interest

If any cash payments are made without any official company receipt, the company will not be liable.

Do not return material to any salesman. Returns to be made only to Company Authorized Courier Company.

rms

arks:



For Bigapple Lifestyle Pvt. Ltd. Authorised Signatory

[Signature]
PRINCIPAL
PRINCIPAL
 NARASIMHA REDDY ENGINEERING COLLEGE
 UGC AUTONOMOUS
 Survey No.518, Maisammaguda (V), Dhulapally (P)
 Medchal (M), Medchal Dist., Hyderabad-500100