



## **POLICY DOCUMENT TOWARDS ON ENERGY CONSERVATION**

Khammam Institute of Technology and Sciences (KITS) is established 15 km away from town surrounded by farming fields. The institution is field with trees and beautiful garden. The initiatives towards the establishment of high quality environmental conditions are the prime motto of the institution.

The institution ambience is so arranged in such a way that uses all available renewable resources for teaching learning process must be provided for the students registered in this institution. A Campus is where natural cordial practices and instruction consolidate to advance maintainable and eco-accommodating practices in the grounds. The green grounds idea offers an organization the chance to lead the pack in reclassifying its natural culture and growing new ideal models by making practical answers for ecological, social and monetary needs of the humanity.

- Using Energy Efficient Light Bulbs.
- Digital Library
- Use of LED bulbs/ power efficient equipment
- Solar based energy systems
- Energy conservation

### **Purpose**

To realistically and comprehensively reduce energy consumption, assure acceptable indoor air quality, and improve energy efficiency on campus through methods that are consistent with a safe, secure, and inviting campus community. As outlined in this policy, energy conservation will be accomplished by developing a proactive and progressive approach to providing energy efficient, responsible, and cost effective operations on campus. This policy will be reviewed and updated periodically as public awareness, management techniques, and technologies change.



The strategies listed below are used to conserve energy and are not inclusive of all energy conservation actions; additional energy conservation actions can be found in the [Energy Conservation Standards](#).

Thermostat Set-points: The temperature set-points shall fall within the range suggested by ASHRAE (formerly the American Society of Heating, Refrigeration, and Air Conditioning

Facility Scheduling: Operations shall schedule academic and administrative buildings for night and weekend temperature setbacks during unoccupied hours in order to reduce building energy consumption during low-demand periods.

Holidays: During University recognized holidays, Operations shall schedule temperature setbacks in academic and administrative buildings in order to reduce building energy consumption.

**Energy conservation**: As and when a failure of electrical equipment occurs the institution made it as a policy to go for either fire stalled equipment or led lamps and bulbs are those equipment which are of less power consuming in this thing. Every faculty member, student are must be given awareness to switch off the fans, led lights. As and when they are not in use.. No electrical appliances are used when the students are not in the class ROOM.

The electric motor starter for the bore well is fitted with an auto turn off device whenever the water is filled up. The solar electric lights for the street lighting in for the during night hours are connected with led sensors so as to operate it as per the light requirements without any manual interaction.

Save Energy TIPS:

1. Activate power management features on your computer and monitor so that it will go into a low power “sleep” mode when you are not working on it.
2. Turn off your monitor when you leave your Table.
3. Activate power management features on your laser printer.
4. Whenever possible, shut down rather than logging off.
5. Turn off unnecessary lights and use

Estd: 2008



*Sri Kavitha Educational Society's*

## **KHAMMAM INSTITUTE OF TECHNOLOGY & SCIENCES**

*(Affiliated to JNTUH & Approved by AICTE, New Delhi)*

Ponnekal (Village), Khammam (Rural), Khammam (Dist) -507170

Phone: 08742 – 285399, 9908567792

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7. Use LED or compact fluorescent bulbs daylight instead.
6. Avoid the use of decorative lighting..
8. Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
9. Use the fans only when they are needed.

**Institute will make all the necessary efforts to involve the students, faculty and staff in “Green campus initiatives”.**



  
PRINCIPAL  
KHAMMAM INSTITUTE OF TECHNOLOGY & SCIENCES  
Ponnekal (V), Khammam (R) -507170  
Khammam (Dist.) T.S.

## Environmental Consciousness and Sustainability (10)

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

Power requirement met by renewable energy sources	Total power requirement	Renewable energy source	Energy supplied to the grid
720KWh	8417KWh	solar	Nil

### **SOLAR ENERGY**

The institute focuses on harnessing renewable energies through Solar, Wind and Biomass Conversion. In this regard, the institute has installed 1 KVA solar power plant before the main buildings. Students are encouraged to carry out UG projects on different types of renewable energies.





Date: 29 January 2018

## MEMORANDUM OF UNDERSTANDING

BETWEEN

**Green Energy Solutions Hyderabad**

Hyderabad

AND

**Khamma Institute of Technology and Sciences**

(Electrical and Electronics Engineering final year students of total 65 students only)

This Memorandum of Understanding will enable:

- A) Student of the college avail to have the opportunity to undertake industry training / industry practices (project) etc with the above company.
- B) The agreement shall commence from the date assignment gets started and shall be in force for a period of 15 days.
- C) The appendix to the memorandum of understanding is attached.

*maruthi*

(Signature)

Kalpaguri.Maruthi

Head-Operations GES Hyderabad



(Signature)

HOD Electrical and Electronics Engineering  
Khammam Institute of Technonogy and science



## **APPENDIX 1: SCHEDULE OF RESPONSIBILITIES**

The Company agrees to be responsible for:

1. Initially the company engages the 65 students in 'Academic Projects ' that help the students to gain insight in to practical aspects of the markets and industry, and also helps the students in improving their technical aspects.
2. Providing the Project Assistance and Full course training to the student provided by the Company on respective technologies at nominal fee.
3. List of total 65 students is enclosed below.
4. The Company provides all the above facilities for the tenure of 15 Days.

### **4. MODE OF PAYMENT:**

Term-1: 50% Advance for purchase order for Solar 512V/500Wp system 40% of the fee after receiving Materials as given proposal on 29 January 2018 Ref No: **MKT/QUT/KITS-KHAM/007/2018-19**


Term-2: 10% need to be pay than only student can receive, the thesis and code.

5. Company agrees to replace the training faculty if the faculty is not up to the expectation of the students and the same quality of the training assured from beginning to the end of training. Mention resource person's names at the beginning of the project.
6. Program Duration: For a period of 10 days.

B) The college agrees to be responsible for:

1. Providing Class Rooms, Projector, Labs and Systems in lab for conducting Training,



  
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Khammam Institute of Technology & Science  
POINTEKHAL (V) Khammam (R)-507 17

### **About us**

**Green Energy Solutions India**, Established in 2012 in Hyderabad India. We are focusing on developing in Renewable Energy sector in India. Our GES is workable both in the near term and over the longer term providing greatest energy as well as financial incentives for our customers.

GES strongly believes in the sun's potential to appreciably address the problems associated with power obtained from non-renewable sources of energy. It is with this passion that we aim to work and offer solar solutions to our customers. Quality has always been of utmost priority to GES, and with this drive we challenge ourselves to give the same in the most cost-effective way.

GES takes on charge and commitment towards development of eco-friendly technologies with innovative and futuristic energy solution. We, at GES, recognize the important on every step taken towards to building a greener and safer future. By accumulating the inexhaustible energy of the sun, GES offers efficient and advanced solutions to energy requirements for today and tomorrow.



Date: 29 January 2018

Ref No: MKT/QUT/KITS-KHAM/007/2018-19

<b>To</b>			
CH. KRISHNA PRASAD			
EEE, HOD			
KHAMMAM INSTITUTE OF TECHNOLOGY AND SCIENCE			
S.No	Item Description	Quantity	Total Price
1	SOLAR MODULES 125 WATT	4	110,000.00
2	Solar Inverter 850 VA/12V	1	
3	Solar Battery 12V/150 AH	1	
4	Solar Battery 12V/40 AH	2	
5	Solar Mechanical Structure and Cable	1	
6	No of students under Training	65	
In words: One Lakhs and Ten Thousand Rupees Only		Grand Total	<b>110,000.00</b>
		Authorize signature	
		<i>manthi</i>	



*manthi*

PRINCIPAL  
Khammam Institute of Technology & Science  
PO: KHAMMAM (V) KHAMMAM (R)-507 117

Date: 29 January 2018

To

CH. KRISHNA PRASAD

Electrical and Electronic Engineering,

HOD

KHAMMAM INSTITUTE OF TECHNOLOGY AND SCIENCE

CASH BILL

S.No	Item Description	Quantity	Total Price
1	Total project Cost is	1	110,000.00
GRAND TOTAL			110,000.00



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Estd: 2008



Sri Kavitha Educational Society's

# KHAMMAM INSTITUTE OF TECHNOLOGY & SCIENCES

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Phone: 08742 - 285399, 9908567792

APGST No. WGL/08/1/1094      Phone : Shop 28100 Resi. 23043  
 No. **110**      **CASH BILL**      Date.....  
 నటి లైట్ హౌస్, స్టేషన్ రోడ్, ఖమ్మం.

## CITY LIGHT HOUSE

Electrical Contractors & General Supplier  
 Station Road, KHAMMAM-507 001.

Sri Khammam Institute of Technology & Sciences

1	విప్పం లైట్ బల్బులు	260.	130 each
E & O. E		total	33,800.00

*[Signature]*



*[Signature]*

PRINCIPAL  
Khammam Institute of Technology & Sciences  
PONNEKAL (V) Khammam (R) -507 170



भारतीय गैर न्यायिक

पचास  
रुपये

रु.50

भारत

FIFTY  
RUPEES

Rs.50

INDIA

INDIA NON JUDICIAL

தமிழ்நாடு தமில்நாடு TAMILNADU 02 MAR 2021

Minsolar Pvt Ltd  
Chennai

BB 127794

R. RAGURATHI

STAMP VENDOR, L/No. C3/4839/83  
No. 37, VILLAGE ROAD, NOW KNOWN AS  
No. 79/91, VALLUVARKOTTAM HIGH ROAD  
NUNGAMBAKKAM, CHENNAI-600 034  
MOBILE: 9445114347

SOLAR EQUIPMENT LEASE AGREEMENT

LEASEE		LEASOR	
NAME & ADDRESS	M/S.KHAMMAM INSTITUTE OF TECHNOLOGY & SCIENCES PONNEKAL ,KHAMMAM (RURAL), KHAMMAM-507 170 TELANGANA	NAME & ADDRESS	M/s. MinSolar Private Limited 7C 7 <sup>th</sup> floor, Gee Gee Emerald, 312 Valluvar Kottam High Road, Nungambakkam, Chennai – Tamil Nadu – 600034
PHONE	9618080801	PHONE	044-28254500, +91-9884069100
FAX	-	FAX	-
EMAIL	kits.kmm@gmail.com appireddy_kota@yahoo.co m	EMAIL	krishna.m@minsolar.com, aravinda.v@minsolar.com
PREMISES OWNERSHIP	OWN	ADDL. INFORMATION	-

For MINSOLAR PRIVATE LIMITED

Director

Secretary & Correspondent  
Khammam Institute of Technology & Sciences  
PONNEKAL (Village),  
Khammam Rural (Dist), Khammam Dist

This Agreement sets forth the terms and conditions of the Solar Equipment Lease Agreement described in Exhibit 2 (the "System") and installed at the Leasee's Facility described in Exhibit 2A (the "Facility").

The exhibits listed below are incorporated by reference and made part of this Agreement.

Exhibit 1 Basic Terms and Conditions

Exhibit 2 System Description

Exhibit 3 Credit Information

Exhibit 4 General Terms and Conditions

LEASEE: M/S.KHAMMAM INSTITUTE OF TECHNOLOGY & SCIENCES	LEASOR: MinSolar Private Limited
Signature: 	Signature: 
Company Seal: 	Company Seal: 
Designation : Secretary & Correspondent	Designation :Managing Director
Date :05/03/2021	Date : 05/03/2021




**EXHIBIT-1**

**Basic terms and conditions**

Sl. No.	Terminology	Description or Definition
1	Agreement	This agreement titled "Solar Equipment Lease Agreement" in its total form along with Exhibits, Annexures and Appendices.
2	System	The Solar Power Generating unit as described in Exhibit-2
3	Facility	The location at which the System along with its accessories are installed by the Lessor. This is described in Exhibit - 2A
4	Premise(s)	The entire area under the Lessee's ownership or control where the Facility is located in.
5	Solar Capacity	80 kWp (this is the DC capacity estimated at the time of pre-bid offer, as-built may vary based on on-site conditions).
6	Value of the System	The Total value of money in Indian Rupees (exclusive of GST) of the System is INR 32,40,000/- (Indian Rupees Thirty-Two Lakhs Forty Thousand Only)
7	Down-payment Amount	The value of money in Indian Rupees which the Lessee will pay to the Lessor at the time of contract signing. INR 3,24,000/- (Indian Rupees Three Lakhs Twenty-Four Thousand Only)
8	Monthly Lease Amount	The value of money in Indian Rupees which the Lessee will pay to the Lessor on monthly basis as per Table 1. INR 63,401/- (Indian Rupees Sixty-Three Thousand Four Hundred and One Only)
9	Tenure	The period during which the Lessee will pay the Monthly Lease Amount to the Lessor (refer Table 1) 5 years, commencing on 1 <sup>st</sup> July 2021 or the Commissioning Date (whichever is earlier)
10	Payment Security	Annually Renewable, Unconditional, Irrevocable, Assignable Clause Bank Guarantee for 1 year's Monthly Lease Amount, INR 7,60,811/- (Indian Rupees Seven Lakhs Sixty Thousand Eight Hundred and Eleven Only) for the entire period of the Tenure.
11	Operation & Maintenance (O&M) Cost	Operation and Maintenance of the System will be done by the Lessor payable by the Lessee for the period of the Tenure at INR 680 per kWp.
12	Insurance	The Lessor will take an All Risk Erection Cover during the period of construction of the System at its own cost. The Lessor will take an All Risk Operation Cover during the period of the Tenure payable by the Lessee.
13	Total Lease Amount	The total Amount of the Monthly Lease Amount as per Table 1 is called as Total Lease Amount.
14	Service Charge	The Lessee agrees to pay INR 63,401/- (Indian Rupees Sixty-Three Thousand Four Hundred and One Only) as Service Charge along with the Down-payment Amount at the time of signing this Agreement.

FOR MINSOLAR PRIVATE LIMITED

  
Secretary & Correspondent  
Khammam Institute of Technology & Sciences  
PONNEKAL (Village),  
Khammam Rural (Mdl), Khammam Dist

  
Director