University: Kakatiya University
Country: India
Web Address: Kakatiya.ac.in

[2] Energy and Climate Change
[2.1] Energy efficient appliances usage

> 75%

Smart Lighting

125 of the 125 W M.U lamps; 32 of the 32 Nos 150 W S.V. lamps were replaced with 20, 40 and 80 W LED Lights

2019-20, the University was

By providing Static Metering to regulate the use of lights and fans the University during 2019-10, the University was able to reduce the electricity consumption by 19.6%. Motivated by dramatic reduction of electricity consumption during COVID-19, especially in minimising the use of Air Conditioners and operating in open spaces, the Universty aims to reduce electricity consumption by 30%, by 2025

Work undertaken to replace conventional Electrical Bulbs and Tube lights with LEDs

LED Lights on the Campus Road

Energy Efficient Inverter ACs used in the University

95% of the Fluorescent Bulbs and Tube Lights are replaced with LED. In 2018, a feasibility report was conducted to identify high-consumption electrical appliances (CRT Monitors, Old ACs, Ceiling Fans etc.). High consumption appliances are no more used, and Initiatives are being taken to replace them with Smart Appliances

Note: The University has disposed all the CRT Monitors as e-waste

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[2] Energy and Climate Change
[2.5] Renewable Energy Sources

34 kWh (One Source (Solar))

The University has TWO Solar Electrical Panels; 18 kW-h 16 kW-h. It meets the needs of the Administrative Building and Examination Brach of the University. The University Vision document identified the need to install similar Solar Electrical Panels on each of the university buildings, which are about 30+ in number.

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[2] Energy and Climate Change
[2.6] Electricity Usage Per Year

Kilo Watt hour 1,64,027

Month and Year	Substation		Total
	WGL020	WGL0161	
Apr-20	44558	22774	**67332**
May-20	56505	18920	**75425**
Jun-20	64163	22598	**86761**
Jul-20	76740	14201	**90941**
Aug-20	77828	9472	**87300**
Sep-20	77033	10582	**87615**
Oct-20	84630	12191	**96821**
Nov-20	68805	9200	**78005**
Dec-20	71400	8293	**79693**
Jan-21	85785	9633	**95418**
Feb-21	102143	10484	**112627**
Mar-21	152948	11079	**164027**

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[2] Energy and Climate Change
[2.8] Ratio of Renewable Energy Production

2 – 25 (2.0728)

Electricity Produced by the Solar Power is used in emergency at the Administrative Block and the Examination Branch

The University long back realized the need to produce renewable energy by installing Windmills. A feasibility report in this regard is in however being prepared in the recent times. Two prime achievements of the University has motivated the government of India to come forward and review the campus location for raising Windmills.