

ENERGY AUDIT REPORT

Govt. Bangur College, Didwana

Nagaur (Raj.)

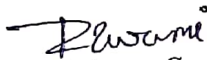
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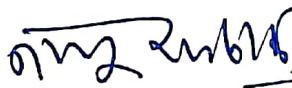
Energy Audit Certificate

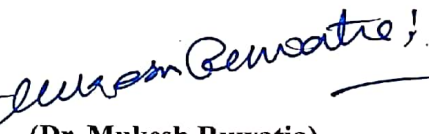
This is to certify that Govt. Bangur College, Didwana. Nagaur, Rajasthan has conducted 'Energy Audit' on March 1st, 2021 to assess the Energy saving initiative planning, efforts, activities implemented in the College campus like conservation of Solar energy, LED lights and various environment awareness activities. This Energy Audit is also aimed to assess the impact of Energy saving initiative for maintenance of the campus eco-friendly. The activities and measures carried out by college have been physically verified based on the report submitted and was found to be satisfactory. The efforts taken by the faculty and students towards environment and sustainability are highly appreciated and commendable.

Place: Didwana

Date: 01-03-2022


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Govt. Bangur College, Didwana



Energy Audit Report

2021-22

Submitted by

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Energy Assessment and Audit

This indicator addresses energy consumption, source of energy, monitoring of energy, lighting and appliances. Use of Energy is a vital aspect of campus sustainability and thus requires no reason for its inclusion in appraisal and assessment.

The methodology adopted focuses on understanding the existing energy consumption by various electric appliances in the college.

A walk through survey was carried out to understand the nature of the installed energy devices (Computer's, fans, LEDs, Tube lights, AC, Coolers etc.)

Energy Consuming Equipment's

- Electric motor
- AC, Cooler, Computers, Printers,
- LED lights, Fans etc.

Energy saving was achieved through replacing old lights. The New Seminar Hall has LED lights. LED lights were also used in the varanda of college campus. All Computers are powered by energy saving mode. Staff, Students and the housing team are encouraged to turn off lights, monitors if not in use.

<p>List effective ways that you use energy in your Institute. (Electricity, LPG, firewood, others).</p> <p>Using this category, try to find out the ways that you could use less energy/day.</p>	<p>Electricity saves by use of LED lights. The Solar light saves more electricity.</p>
<p>Are there any energy saving and cost methods installed in your institute? If yes, please mention. If no, suggest</p>	<p>Yes, Renewable source of energy is used "Solar Panel". Traditional bulb was replaced by LED Lights</p>
<p>How many LED lights has your college installed?</p>	<p>100 Nos.</p>
<p>Are any alternative energy sources employed / installed in your institute? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.</p>	<p>Yes, photovoltaic cells for solar energy</p>
<p>Are your computers and other equipment's put on power-saving mode?</p>	<p>Yes</p>

Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	No
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Average Electricity Consumption over the year in College

Session	Electricity Consumption Average per Year (in KWH)
2020-21	19000

After the introduction of Solar system in the college, the electricity consumption has come down. Now, The electricity saving is approximately 80 %.

Suggestions

- Turnoff the lights and instruments when not in use.
- Use LED light for more energy.
- Use other renewable source of energy like solar heater
- Unplug inactive device.
- Motivate students to turn off light when they come out of the classroom.
- Turn off water cooler when not needed.