

Overall Report



SDG-7. Affordable and Clean Energy

SDG 7 Affordable and Clean Energy

Liaquat University of Medical and Health Sciences (LUMHS) is committed to supporting Sustainable Development Goal 7, which focuses on ensuring access to affordable, reliable, sustainable, and modern energy for all. The university has taken several initiatives to promote energy efficiency and the use of renewable energy sources within its campus. LUMHS has installed **solar power systems** in various departments and administrative buildings to reduce dependence on conventional energy sources and lower carbon emissions. Efforts are also made to encourage energy conservation through awareness campaigns, efficient lighting systems, and responsible energy use among students and staff. Additionally, through its academic and research activities, LUMHS promotes understanding of sustainable energy solutions and their importance for public health, environmental protection, and economic development. By integrating renewable energy practices into its infrastructure and encouraging a culture of sustainability, LUMHS contributes actively to achieving the targets of SDG 7 in Sindh and beyond.

Saving Electricity

The building structures at Liaquat University of Medical and Health Sciences (LUMHS) are designed with energy efficiency and sustainability in mind. Architectural planning emphasizes the use of natural light and ventilation to reduce dependency on artificial lighting and air conditioning. The orientation of buildings allows maximum daylight penetration while minimizing heat gain, thereby maintaining comfortable indoor temperatures. Energy-efficient materials and insulation techniques are used to enhance thermal performance. Additionally, large windows, open courtyards, and green spaces contribute to improved airflow and reduced energy consumption. These design strategies not only lower electricity usage but also promote an environmentally friendly and sustainable campus infrastructure aligned with the goals of green architecture and SDG 7 – Affordable and Clean Energy. LUMHS is taking significant steps towards promoting energy conservation and sustainability on its campus. Here are some key initiatives:

Awareness and Implementation

The university encourages the entire campus community to adopt energy-saving habits, such as switching off lights, fans, and appliances when not in use.

Energy-Efficient Systems

LUMHS has introduced energy-efficient lighting systems to reduce power consumption.

Optimized Schedules:

Classroom schedules have been optimized to minimize unnecessary energy use.

Natural Light Utilization:

The university promotes the use of natural light where possible, reducing the need for artificial lighting.

These efforts align with SDG 7, focusing on affordable and clean energy, and demonstrate LUMHS's commitment to environmental sustainability and responsible resource management.

