

**7.1.3 The Institution has facilities for alternate sources of
energy and energy conservation devices**

**Facilities for alternative sources of energy conservation
measures**



PRIYADARSHINI DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

FACILITIES AVAILABLE FOR ALTERNATIVE SOURCES OF ENERGY AND ENERGY CONSERVATION DEVICES

Priyadarshini dental college and hospital (PDCH) takes great pride in its commitment to energy conservation and sustainability. With state-of-the-art facilities and innovative initiatives, the institution strives to reduce its carbon footprint and promote eco-friendly practices. By prioritizing energy efficiency, the institution not only saves resources and reduce the costs but also demonstrate its dedication to environmental stewardship and responsible citizenship.

PDCH incorporates the following for alternative energy sources:

- Solar energy
- Wheeling to the grid
- Sensor based lighting systems
- Use of LED bulbs
- Biogas plant

Solar panels are extensively utilized within the institution to harness renewable energy from the sun, reducing the reliance on traditional power sources and minimizing its carbon footprint.



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Wheeling energy to the grid enables PDCH to monetize surplus renewable energy, thereby offsetting costs and fostering energy efficiency. This approach not only saves money but also maximizes the utilization of resources, contributing to overall energy conservation efforts.

The college employs sensor-based lights, which intelligently activate and deactivate based on motion or ambient light levels, effectively conserving energy and reducing operational costs.

LED bulbs are widely implemented across the college campus, offering energy-efficient illumination and cost savings through reduced electricity usage and maintenance expenses, aligning with the institution's commitment to sustainability.

Biogas plant

By employing biogas for cooking, the institution underscores its dedication to sustainability by prioritizing renewable energy sources over LPG. This not only minimizes the campus's carbon emissions but also serves as a testament to its commitment to environmentally conscious practices in culinary operations, contributing to a greener and more eco-friendly campus environment.

Priyadarshini Dental college and hospital's comprehensive approach to energy conservation, incorporating solar panels, Wheeling to the grid, sensor-based lighting systems, Use of LED bulbs and Biogas utilization, showcases a steadfast commitment to sustainability, cost-effectiveness, and responsible energy management.


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