



D Y PATIL DENTAL SCHOOL

Dr. D Y Patil Knowledge City, Charholi Bk, Via Lohegaon, Pune 412105

Affiliated to Maharashtra University of Health Sciences, Nashik

Recognized by Dental Council of India



SELF STUDY REPORT (CYCLE 1) 2018-2023

Criteria 7: Institutional values and best practices

Key Indicator: 7.1 Institutional Values and Social Responsibilities

Metric: 7.1.3: The institution has facilities for alternate source of energy and energy conservation devices.

**REPORT ON FACILITIES FOR ALTERNATE SOURCES OF ENERGY
AND ENERGY CONSERVATION MEASURES**

INDEX

Sr.No	Data	Page No.
1	Report On Facilities for Alternate Sources of Energy And Energy Conservation Measures	04



D Y PATIL GROUP

D Y PATIL DENTAL SCHOOL

Affiliated to the Maharashtra University of Health Sciences, Nashik
Recognized by Dental Council of India

REPORT OF ENVIRONMENTAL CONSCIOUSNESS INITIATIVE TAKEN

D.Y.PATIL DENTAL SCHOOL

D.Y. Patil Dental School and Hospital, steadfast in its determination to sustainability, proudly showcases a whole approach to environmental obligation. This determination is apparent through a severe set of obligations designed to maintain energy, defend water resources, cast off plastic usage, limitation smoking, and broaden the Green Campus Initiative. These strategic measures reflect our unwavering dedication to minimizing environmental impact and nurturing a greener future.

- A. Energy Conservation Measures
- B. Water Conservation Measures
- C. Measures taken to implement "No Plastic Policy"
- D. Measures taken to implement "No smoking Policy"
- E.] Green Campus Concept



D Y PATIL GROUP

D Y PATIL DENTAL SCHOOL

Affiliated to the Maharashtra University of Health Sciences, Nashik
Recognized by Dental Council of India

A.] ENERGY CONSERVATION MEASURES:

1. SOLAR ENERGY:

D.Y. Patil Dental School & Hospital features an impressive 594 solar panel installation situated on its electrical substation. This cutting-edge system generates between 62000 to 65000 units per month, significantly contributing to our institution's energy needs. The solar energy produced is efficiently converted into electrical power and seamlessly integrated in to the grid, thereby reducing the overall carbon footprint of the institute.

2. SENSOR-BASED ENERGY CONSERVATION

Our technique to power conservation leverages sensor-primarily based totally technology, making sure the really appropriate use of power with minimum loss. Each room within side the boy's and girl's hostels is prepared with sensor-primarily based totally keyhole tags. These tags, while inactive because of the absence of residents, open the circuit loop, stopping needless power loss. Automatic water degree sensors are set up on the RO structures of the Girls' Hostel and Boy's hostel to similarly beautify efficiency, stopping wastage and optimizing useful resource utilization. Various departments of the health facility also are prepared with dental chairs incorporating sensor primarily based totally technology (Sensor primarily based totally light, tumbler etc)

3. BIOGAS PLANT:

Situated behind the hostel mess, our absolutely functional Biogas Plant techniques a incredible 30 Kg/day of degradable waste, converting it into green energy. This modern solution now not best reduces our carbon but moreover curtails waste technology inner our facilities.

4. USE OF LED BULBS/POWER-EFFICIENT EQUIPMENT:

D.Y. Patil Dental School & Hospital adopts power-green LED bulbs and energy-green device throughout its sanatorium and hostel campuses Refrigerators and air



D Y PATIL GROUP

D Y PATIL DENTAL SCHOOL

Affiliated to the Maharashtra University of Health Sciences, Nashik
Recognized by Dental Council of India

conditioners boasting 2*/3* power performance fashions are standard, making sure accountable power intake Intraoral cameras with LED lighting are furnished to each body of workers and students, improving visibility whilst minimizing energy usage.

In conclusion, D.Y. Patil Dental School & Hospital stands as a beacon of sustainable practices inside aspect the healthcare and education sectors Through the ones initiatives, we now not only prioritize energy conservation but moreover inspire a culture of environmental duty among our staff, university students, and the broader community Our unwavering willpower to sustainability is a sworn statement to our vision for a greener and further ecologically balanced future.

B.) WATER CONSERVATION MEASURES:

D.Y. Patil Dental School & Hospital, via Its Water Conservation Policy endeavours to:

- Initiate voluntary measures to pick out water intake styles at every establishment, striving to lessen water footprints via the optimization of water use with the setup of green water systems.
- Incorporate rainwater harvesting measures into making plans and strategy.
- Prioritize the mixing of the today's technological advancements, that specialize in water conservation via stepped forward performance set up of computerized water degree sensor at RO device at hostel)
- Ensure compliance with all regulatory frameworks encompassing water conservation and control Regularly test and activate restore of any water leaks is being carried out via way of means of PWD department
- Undertake measures to save you water pollutants in all establishment/regions via way of means of making sure right disposal mechanisms for wastewater together with Sewage Treatment Plants, or enforcing appropriate measures and discharges in compliance with authority's norms.
- Awareness and Capacity-Building Program D.Y. Patil Dental School & Hospital guarantees to sensitize employees, college students and sufferers on water associated awareness



D Y PATIL GROUP

D Y PATIL DENTAL SCHOOL

Affiliated to the Maharashtra University of Health Sciences, Nashik
Recognized by Dental Council of India

C.] MEASURES TAKEN TO IMPLEMENT "NO PLASTIC POLICY":

In line with our strength of mind to environmental stewardship, D.Y.Patil Dental School & Hospital actively upholds a stringent "No Plastic" policy. Our reputation is on eliminating plastic waste through the advocacy of inexperienced alternatives and the cultivation of interest collaboratively, we endeavour to transform our campus proper right into a plastic-free environment through manner of method of using paper water cups rather than using plastic cups within side the route of chair element treatment of patients, contributing to a purifier and extra wholesome planet.

D.] MEASURES TAKEN TO IMPLEMENT "NO SMOKING POLICY":

In line with our willpower to healthy and stable campus surroundings, D.Y. Patil Dental School & Hospital strictly prohibits smoking. The campus and hostels are adorned with great signage, reinforcing smoke-free surroundings. This insurance presentation our strength of mind to the nicely being of our community and promoting a tobacco-free lifestyle for absolutely everyone on campus with strict repercussions for any violation. These diploma goals to defend the nicely being of our community and create conducive surroundings for studying and healing.



D Y PATIL GROUP

D Y PATIL DENTAL SCHOOL

Affiliated to the Maharashtra University of Health Sciences, Nashik
Recognized by Dental Council of India

E.] GREEN CAMPUS CONCEPT:

As part of Green opus Initiative, 25% of our campus is devoted to lush greenery (with exceptional natural lawn and Oxygen Park) offering a fresh and sustainable surroundings dedicated to sustainability, 1 / 4 of the D.Y.Patil Dental School & Hospital campus prospers as inexperienced area Emphasizing tree planting on Environment Day and nurturing oxygen-wealthy areas, our Green Campus Initiative strives to harmonize nature with schooling By fostering a lush surroundings, we goal to encourage ecological awareness and make a contribution to a greener, more healthy world.




Dr. Anand Shigti
DEAN

D.Y.Patil Dental School & Hospital