



भारतीय दन्त परिषद
Dental Council of India



AMC DENTAL COLLEGE

Khokhra, Ahmedabad 380008

Affiliated to Gujarat University

SELF STUDY REPORT (CYCLE 1) 2022-2023

CRITERIA: 7: Institutional value and best practice

KEY INDICATOR: 7.1: institutional value and social responsibility

METRIC: 7.1.5: The Institution has facilities for alternate sources of energy and energy conservation *devices*



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Data

ENVIRONMENT CONSCIOUSNESS POLICY (ENERGY CONSERVATION WATER CONSERVATION BAN ON PLASTIC NO SMOKING)



POLICY



Date: 1/10/2014

POLICY FOR ENVIRONMENTAL CONSCIOUSNESS

A COMPREHENSIVE, INTEGRATED APPROACH TOWARDS SUSTAINABILITY

BY AMC DENTAL COLLEGE AND HOSPITAL

AMC DENTAL COLLEGE
INWARD No.: -
OUTWARD No.: 2252
DATE: 02/10/14

Environmental consciousness is not merely important but imperative for environmental protection and the advancement of our nation. AMC Dental College and Hospital is keen in minimizing its environmental impact and promoting sustainability in all aspects of its operations.

A. Energy Conservation Policy:

- As a part of energy conservation policy, staff and students are frequently sensitized to minimize the energy spending.
- AMC Dental College and Hospital is planning to switch all the light sources into energy saving LED lights.
- To promote alternative source of energy, institute is resolute to install solar panel plan and grid in near future.
- Institute is fervent to conserve energy through implementing newer, sensor based technologies in electric equipments, dental equipments, and dental chairs.

B. Water Conservation Policy:

- Water is one of the most valuable elemental natural resources globally, essential for the sustenance of all living organisms on Earth.
- Aligned with this perspective, AMC Dental College & Hospital is committed in implementing following water conservation measures – 1) prevention of misuse and overuse of water, 2) watering of the plants in the early morning or evening, 3) procurement and installment of rain water harvesting system.

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C. No Plastic Policy:

- Plastic is a non-biodegradable material which enlarges the soil, water and air pollution.
- AMC Dental College & Hospital ensures to implement stringent “No Plastic Policy”. The focus will also be on eradicating plastic waste through the advocacy of eco-friendly alternatives and the cultivation of awareness through placing signage at different places of the college and hospital to reinforce plastic free environment.

D. No Smoking Policy:

- AMC Dental College and Hospital anticipates its accountability for creating tobacco free society for prevention of oral cancer.
- The campus and hostels are adorned with prominent signage, reinforcing a smoke-free atmosphere.

E. Green Campus Initiative:

- Institute is avid in adopting green campus initiative to promote environmental friendly practices. The concept is inclusive of - 1) landscaping of the campus, 2) correct disposal handling and 3) effective recycling program.

Environmental Conservancy Policy reaffirms its commitment to sustainable development through comprehensive initiatives across the hospital and college practices. The policy reflects our dedication to the well-being of our community ensuring clean air, water and soil and promoting health by implementing preventive measures.

Dr. Dolly Patel

DEAN

AMC Dental College and Hospital

REPORT



Date: 01/11/2023

**REPORT OF ENVIRONMENTAL
CONSCIOUSNESS INITIATIVE TAKEN**

BY AMC DENTAL COLLEGE AND HOSPITAL

AMC Dental Hospital & College, steadfast in its commitment to sustainability, proudly showcases a comprehensive approach to environmental responsibility. This commitment is evident through a diverse set of initiatives designed to conserve energy, safeguard water resources, eliminate plastic usage, prohibit smoking, and advance 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

A.] ENERGY CONSERVATION MEASURES:

1. SOLAR ENERGY:

AMC Dental College & Hospital features an impressive 17.42 kW solar panel installation situated on its electrical substation. This cutting-edge system generates between 1200 to 1400 units per month, significantly contributing to our institution's energy needs. The solar energy produced is efficiently converted into electrical power and seamlessly integrated into the grid, thereby reducing the overall carbon footprint of the institute.

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2. SENSOR-BASED ENERGY CONSERVATION:

Our approach to energy conservation leverages sensor-based technology, ensuring the judicious use of energy with minimal loss. Each room in the boy's and girl's hostels is equipped with sensor-based keyhole tags. These tags, when inactive due to the absence of residents, open the circuit loop, preventing unnecessary energy loss.

Automatic water level sensors are installed at the RO systems of the Girls' Hostel and Boy's hostel to further enhance efficiency, preventing wastage and optimizing resource utilization.

Various departments of the hospital are also equipped with dental chairs incorporating sensor based technology (Sensor based light, tumbler etc.).

3. BIOGAS PLANT:

Situated behind the hostel mess, our fully functional Biogas Plant processes a staggering 300KG of degradable waste, converting it into green energy. This innovative solution not only reduces our carbon footprint but also curtails waste generation within our facilities.

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

AMC Dental College & Hospital adopts energy-efficient LED bulbs and power-efficient equipment across its hospital and hostel campuses. Refrigerators and air conditioners boasting 5*/3* energy efficiency models are standard, ensuring responsible energy consumption. Intraoral cameras with LED lights are provided to both staff and students, enhancing visibility while minimizing power usage.



In conclusion, AMC Dental Hospital & College stands as a beacon of sustainable practices in the healthcare and education sectors. Through these initiatives, we not only prioritize energy conservation but also inspire a culture of environmental responsibility among our staff, students, and the broader community. Our unwavering commitment to sustainability is a testament to our vision for a greener and more ecologically balanced future.

B.] WATER CONSERVATION MEASURES:

AMC Dental College & Hospital, through its Water Conservation Policy, endeavors to:

- Initiate voluntary measures to identify water consumption patterns at each establishment, striving to reduce water footprints through the optimization of water use with the installation of efficient water systems.
- Incorporate rainwater harvesting measures into planning and strategy.
- Prioritize the integration of the latest technological advancements, focusing on water conservation through improved efficiency (installation of automatic water level sensor at RO system at hostel)
- Ensure compliance with all regulatory frameworks encompassing water conservation and management. Regularly check and prompt repair of any water leaks is being done by PWD department.
- Undertake measures to prevent water pollution in all establishments/areas by ensuring proper disposal mechanisms for wastewater, such as Sewage Treatment Plants, or implementing suitable measures and discharges, in compliance with government norms.
- Awareness and Capacity-Building Program: AMC Dental College & Hospital ensures to sensitize employees, students, and patients on water-related awareness

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C.] MEASURES TAKEN TO IMPLEMENT “NO PLASTIC POLICY”:

In line with our dedication to environmental stewardship, and guidelines of AMC circular no12 (Dated 21-05-22), as AMC Dental College and Hospital actively upholds a stringent “No Plastic” policy. Our focus is on eradicating plastic waste through the advocacy of eco-friendly alternatives and the cultivation of awareness. Collaboratively, we endeavor to transform our campus into a plastic-free environment by using paper water cups instead of using plastic cups during chair side treatment of patients, contributing to a cleaner and healthier planet.

D.] MEASURES TAKEN TO IMPLEMENT “NO SMOKING POLICY”:

In line with our commitment to a healthy and safe campus environment, AMC Dental College and Hospital strictly prohibits smoking. The campus and hostels are adorned with prominent signage, reinforcing a smoke-free atmosphere. This policy reflects our dedication to the well-being of our community and promoting a tobacco-free lifestyle for everyone on campus with strict repercussions for any violation. This measure aims to safeguard the well-being of our community and create a conducive atmosphere for learning and healing.

E.] GREEN CAMPUS CONCEPT:

As a part of Green Campus Initiative, 25% of our campus is dedicated to lush greenery (with distinctive herbal garden and Oxygen Park) providing a refreshing and sustainable environment committed to sustainability, a quarter of the AMC Dental Hospital & College campus thrives as green space. Emphasizing tree planting on World Environment Day and nurturing oxygen-rich areas, our Green Campus Initiative strives to harmonize nature with education. By fostering a lush environment, we aim to inspire ecological consciousness and contribute to a greener, healthier world.

Dr. Dolly Patel
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