

Best Practice 1

Title : Preliminary Energy Audit

Objective of the Practice:

1. To calculate actual load per building physically and compare the electricity bills from last 12 months.
2. Based on the findings make suggestions to the University for saving on energy consumption.

The Context : Saving energy, reducing and managing consumption and generating lower electrical bills is a concern for any organization. Hence a Preliminary Energy Audit was carried during the by Dr.SuhasJejurikar, from the Centre for Nanoscience and Nanotechnology and his team. Following buildings were considered for the audit 1. National Centre for Nanoscience and Nanotechnology Building , 2. Pherozechah Mehta Bhavan, 3. C.D. Deshmukh Bhavan, 4. Green Technology Building, 3. Department of Biophysics Building and 4. Savitribai Phule Girls Hostel Building.

The Practice: During the energy audit, load was allowed and actual load was calculated physically and a comparison of electrical consumption in the electrical bills from last 12 months was carried out. Load per building, per floor, per electrical appliance/ equipment was calculated. It was observed that the actual load increased for few departments due to lights, light fixtures used, air conditioning system (not maintained timely), old connecting wires as well as taping electrical connections, use of lifts, etc. Suggestions are given to replace existing lights with LEDs, use of electricity while required, use of air conditioning with regular maintenance and topping cooling gas, appreciate use of lifts provided, avoid unauthorized connections, replacement of problematic light fixtures, etc. Use of solar energy is highly recommended in order to reduce the existing cost of energy.

Evidence of Success: The new installations of lights are LED tube lights. Electrical repairs and maintenance work has been streamlined based on the suggestions. New Solar plant procured and is in the process of installation.

Resources required: Revamping old and existing electrical appliances and equipment, for lesser energy consumption.

The Institution:

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Year of Accreditation: 2012

Grade awarded by NAAC: A

Contact persons: Prof. Sanjay Deshmukh, Vice-Chancellor

Best Practice 2

Title:Clean Campus Initiative

Objectives:

1. Waste Segregation
2. Reviving existing pits and composter
3. Creating awareness among Faculty, Students and Residents of Staff Quarters

The Context : Dr. Varsha Kelkar Mane from the Dept. of Biotechnology audited certain issues in regards to keeping the campus clean in lines with theSWM rules published In the Gazette of India, Part---II, Section-3, Subsection (ii) Ministry of Environment, Forest and Climate Change Notification, New Delhi, 2015, evaluated current practices, discussed it in the Campus Development Cell,and proposed certain changes to the University authorities along with the need for appropriate budget allocation.

The Practice:Current practices include waste collection from door to door, cleaning of open areas once in a month, BMC waste collection- two times a day, Pits for composting. What was proposed to be implemented by the University along with appropriate budget allocation was reviving and maintaining pits for composting, installing a composting machine, installation of bins every 50 feet and replacement of existing municipality bins.It was also suggested to the General Administrative Department (GAD) that additional efforts need to be made in line with waste collection, segregation and recycling and instructing staff quarters to segregate waste. Also creating awareness among faculty, students and residents on premises.

Evidence of Success: Practice of waste segregation initiated and collection of waste is done efficiently. Campus residents, canteens are made aware of waste segregation. Compost pits revived are functional where organic waste is converted to manure. Compost machine procured.

Resources Required: Installtion of more bins in the University Campus, Budgetary provision for the same. GAD requires sufficient place to store the scrap.

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