

Marathwada Shikshan Prasarak Mandal's
DEOGIRI COLLEGE, AURANGABAD



REPORT ON SENSOR-BASED ENERGY CONSERVATION

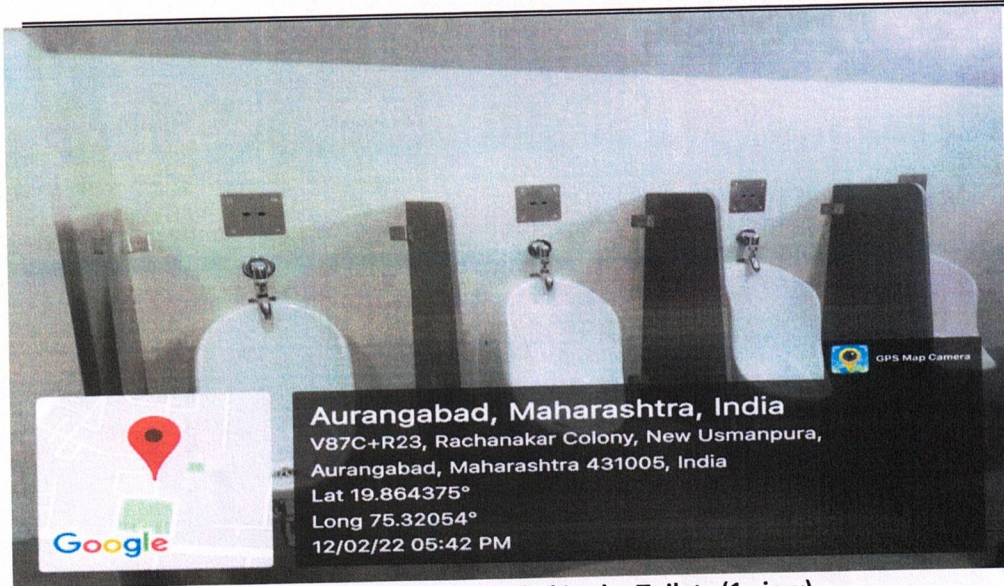


Sensor Based Energy Conservation

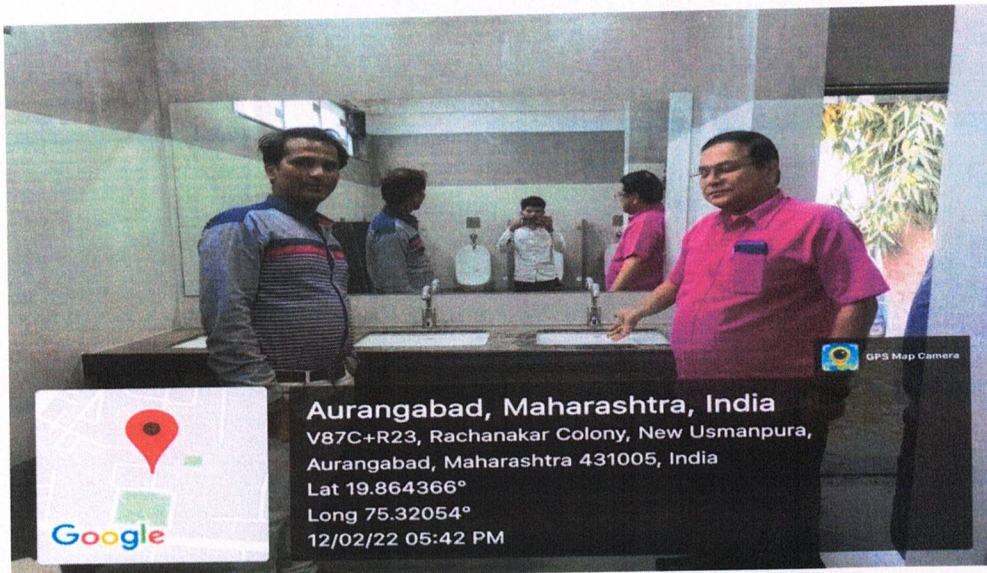
The college has a big number of electronic and electrical equipments such as computers, LCD projectors, tube lights, CFLs, etc. For efficient use of electricity, various means like notices, oral instructions and awareness programmes like Dnyanprabodhini are used so that the importance of conservation of energy would be inculcated among students and employees. The college makes use of energy-efficient Compact Fluorescent Lamps (CFL). Tube lights are being replaced by CFL and the number of them has reached 299 while the number of tube lights is 220. Besides it, the college has 34 solar panels for water heating at Girls' and Boys' hostels.

Energy preservation is the endeavour made to reduce the consumption of energy by using fewer of an energy service. This can be achieved either by using energy more efficiently through sensor based technology (using less energy for a constant service) or by sinking the quantity of facility used (for example, by driving less). Energy conservation is a part of the concept of Eco-sufficiency. Energy conservation measures (ECMs) in buildings by use of sensors to reduce the need for energy services and can result in increased environmental quality, personal financial security, national security and higher savings. It is at the top of the sustainable energy hierarchy. It also lowers energy costs by preventing future depletion. Energy can be conserved by reducing waste and losses, improving competence through technical upgrades, and better operation and maintenance. Lying on a global level, energy use can also be reduced by the stabilization of population growth.

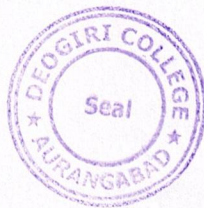


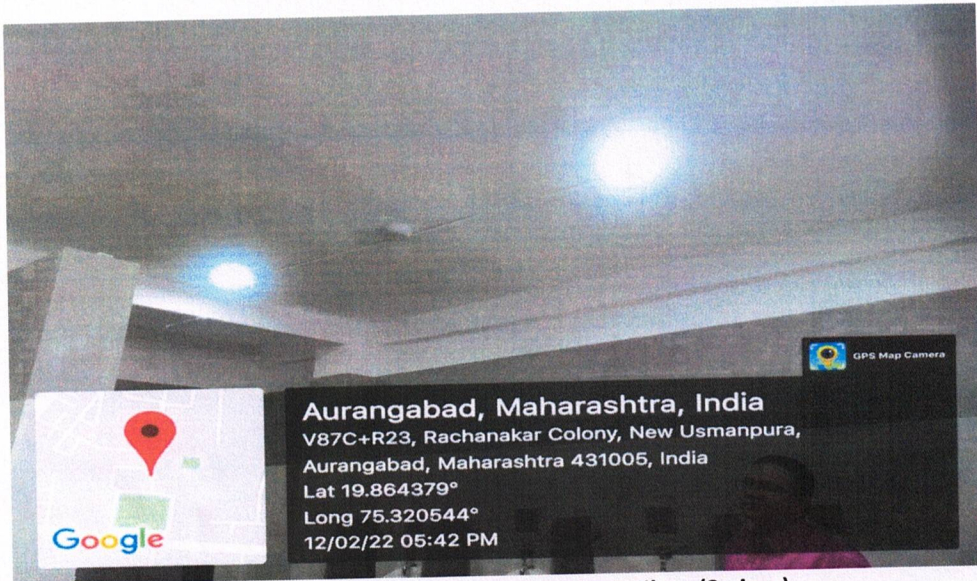


Sensor Based lights installed in the Toilets (1 view)

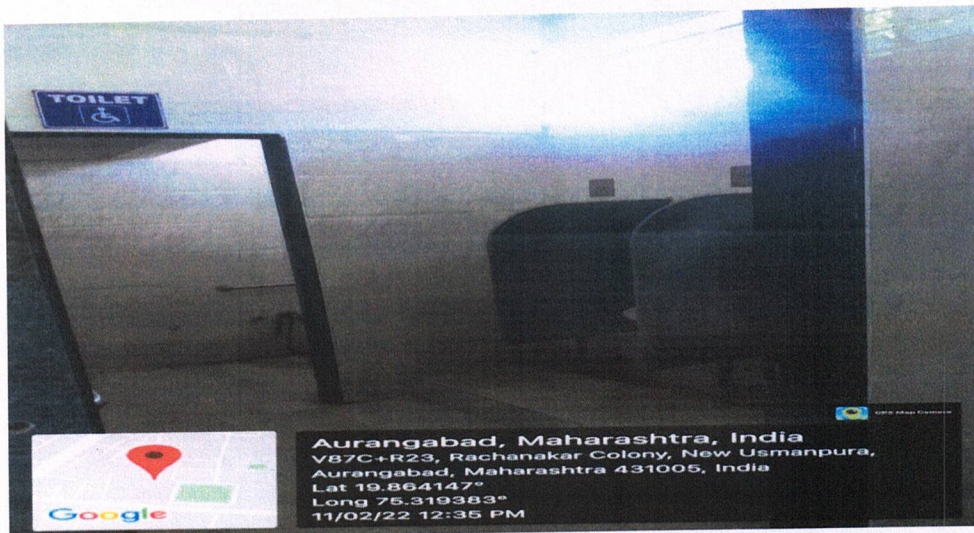


Sensor Based lights installed in the Toilets (2 view)





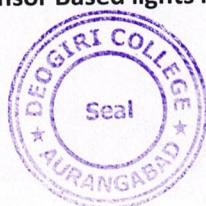
Sensor Based lights installed in the Toilets (3 view)



Sensor Based lights installed in the Toilets (4 view)



Sensor Based lights installed in the Toilets (5 view)



[Signature]
Principal
Deogiri College,
Aurangabad,