

ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

- The Institute is committed towards energy conservation. The common areas in the Institute are illuminated with LED lights, which lead to an energy saving up to 35 % as compared to conventional lights.
- The Institute is also using sensor based technology to save power for the following utilities
 - a) Auto cut for RO
 - b) Auto cut for Solar Hot Water Plant
 - c) Sensor based water tank for auto cut water
- The Institute has taken initiatives to use renewable energy. The solar panel of 50 KWP is already purchased while the solar power plant of 70 KWP which is on rented basis provided by Mittal Processors Pvt. Ltd. is installed.

MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE

Solid Waste Management: The dry solid waste is put by the respective departments in a collection pit located within the campus. This dry solid waste is collected every day in the morning by Greater Noida Authority. The same is transported to the nearest land fill and solid waste management facility for proper disposal as per State Pollution Control Board norms. Sufficient quantities of waste bins are placed at every 100 meters at a number of places within the campus for the students to dispose the Waste.

E-Waste Management: All un-serviceable E-Waste such as computers, printers, cables, CD's, mouse and key board etc. is disposed through a third party vendor as per guidelines for implementation of E-Waste (Management and Handling) Rules.

Liquid Waste Management: After initially neutralizing and minimizing the chemicals in the laboratory, Liquid waste i.e. chemicals are treated through Effluent Treatment Plant (settling tanks). Chemical Treatment is done using chemical reagents like slaked lime $\text{Ca}(\text{OH})_2$ or coagulants like FeCl_3 , $\text{Al}_2(\text{SO}_4)_3$ etc. H_2SO_4 & HCl is used for PH neutralization if it is alkali waste, implies low PH. NaOH , Na_2CO_3 , CaCO_3 and $\text{Ca}(\text{OH})_2$ is used if waste is acidic, implying high PH. Decolorant is used for decolouring solution. Sodium hypochlorite is used to kill harmful bacteria

Hazardous Waste Management The College makes efforts to ensure that no Hazardous waste is generated in the college campus. And if at all some hazardous waste is generated as in chemistry lab it is treated with utmost care. All the harmful chemicals are kept with care at safe places to avoid any accident caused by them. Unused chemicals are disposed off in diluted and neutralized form. These chemicals are drained through underground and securely covered drains so that they not exposed to the air.