



Criteria VII

7.1.2 Power Efficient Equipment

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Use of power efficient equipment

Power saving appliances essential to help you save money and energy, protect the environment and enhance your lifestyle. Energy saving is energy creating. Energy is limited and in fixed quantity. We have to invent new ways of reliable, systematic, everlasting ways of energy creation. But whenever there is not reliable source available we have to save the traditional energy at most quantity. Using power saving equipment is the crying need of today. LED bulbs and led tubes, power saving fans, five star rated AC, freeze and other equipment are now available in market that saves energy in maximum percentage. LEDs use so much less electricity than incandescent lighting is that they don't produce light in the same way. This process doesn't use a filament and creates little heat, instead relying on a property of semiconductors to generate light. LED lights are up to 80% more efficient than traditional lighting such as fluorescent and incandescent lights. 95% of the energy in LEDs is converted into light and only 5% is wasted as heat. Less energy use reduces the demand from power plants and decreases greenhouse gas emissions. LED tubes are much more efficient on your energy costs as well as your carbon foot print on the environment. There's nothing more sustainable than Energy. LED lamps last much longer, and are more efficient than luminous lamps. Unlike luminous lamps, most LED lamps do not need to warm up" before they emit the full quantity of light in our everyday life. By replacing 40 watt florescent tubes by 9 watt LED tube or 14 watt T-Bulb we can save approximately Rs.800 per year. LED lighting fixtures are more beneficial for saving energy and to conserving the environment. These lighting solutions help a lot in maintaining campus security, providing better quality light, improving student safety and giving facility managers a sense of peace that comes with purchasing long-lasting products. Led light bulbs last much longer and consume far less energy. The high efficiency and directional nature of LEDs makes them ideal for many uses. Our attempt is to use LED bulbs and tubes in street lights, parking garage lighting, pathway and other outdoor area lighting. Natural light is the best and most important light to incorporate in the classroom. Natural sunlight provides physical and physiological benefits to both students and teachers alike.


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The truth is that LED lights are directional, which means that they are excellent for use as reading lights. We do Energy audit for understanding the loopholes and to take steps towards purification in the system. All the traditional system appliances are removed by energy saving equipment. Our plan is to turn towards sensor based energy conversation appliances.



Sensor Based Electric Pump



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Use of LED lights throughout college campus




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