



COMMERCIAL TIPS

simple ways, great savings

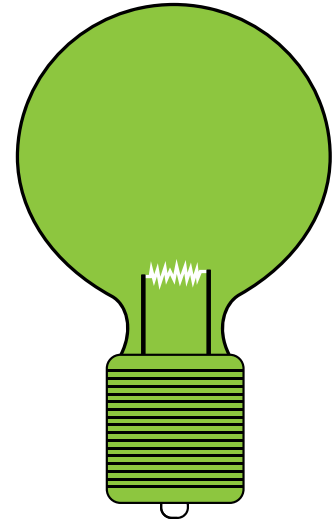
RELIANCE

Energy

LIGHTS

Check the suggestions to minimizing the Light Load

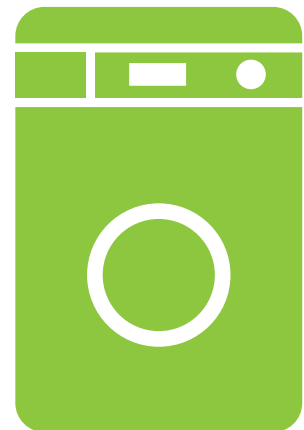
- ▶ Making maximum use of natural daylight. Add a skylight to bring more sunshine to dark areas.
 - ▶ Decorate your premises by keeping illumination in mind. Light coloured walls and ceilings reflect more light thereby making the room look brighter.
 - ▶ Buying clean lighting fixtures, lampshades and reflectors. A cleaner lamp gives brighter output.
 - ▶ Using fewer bulbs in multi-bulb fixtures. It is a small yet an effective way to conserve energy in your unit. One strong bulb is more efficient than several small capacity bulbs.
- ▶ Installing motion-sensors to outside lighting. They turn the lights off when there is no motion and hence are ideal for passages, corridors and porch lighting.
 - ▶ Ensuring usage of solar powered lights for outdoor lighting.
 - ▶ Preventing energy wastage, by using dimmers to automatically change light intensity.
 - ▶ Using energy efficient lighting options like CFL's, T5 tube lights and Led Lighting. They help you to save a lot .
 - ▶ Replacing conventional lighting fixtures with energy efficient ones. You can refer the right replacement chart to decide the right replacement for your current fixtures.



WASHING MACHINE

Check the suggestions to minimizing the Washing Machine Load

- ▶ Choose the capacity as per your requirement depending upon your family size, frequency of using Washing Machine etc.
 - ▶ Do not run the machine for multiple half loads. Instead use it for Full loads only. The machine uses same amount of Electricity for half loads and full loads.
 - ▶ Run Cold Water washing cycles instead of hot water cycles. It saves upto 90% of energy that is otherwise used by the machine to heat up the water.
- ▶ Always switch off Washing Machine from the "plug point switch" as a safety precaution and to prevent any "Stand-by Power Loss".
 - ▶ Dry your clothes under sun or in natural air instead of drying them in the Washing Machine. It saves the power otherwise being used for the Drying cycle.
 - ▶ Help the utility to control peak power demand by using non essential appliances before 10am or after 9pm



COMPUTER & TV

Check the Suggestions to minimizing the Computer & TV Load

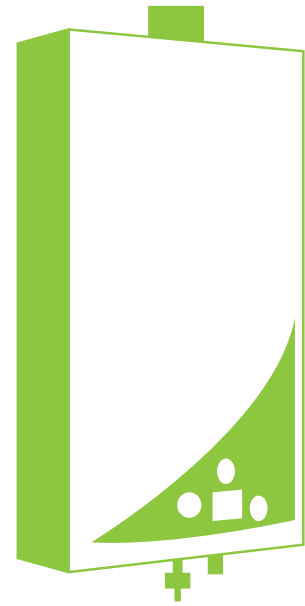
- ▶ Turn on the computer, monitor, printer only when you need.
 - ▶ Turning a computer on and off doesn't use any extra electricity and won't damage your computer.
 - ▶ On an average 50% of the power taken by a desktop is converted into heat. Hence switch it ON only when you need it.
 - ▶ Save power by turning off the computer monitor when you'll be away from it for more than 15 minutes.
 - ▶ Screen savers are NOT energy savers.
- Automatic switching to sleep mode or manually turning monitors off is always a better energy-saving strategy.
- ▶ Consider buying a laptop for your next computer upgrade. Laptops use upto 90% less energy than desktop computers.
 - ▶ Select the right-sized monitor / TV to meet your needs. The bigger the monitor, the more energy it uses.
 - ▶ Consider using flat panel liquid crystal display (LCD) monitors/ TVs versus conventional CRT monitors / TVs. LCD monitors provide up to 70% power savings and provide up to twice the lifespan of CRT monitors.



WATER HEATERS

Check the suggestions to minimizing the Water Heaters Load

- ▶ Turn ON water heaters only when you are going to use the heated water.
 - ▶ Avoid overflow of hot water through buckets. Turn off the water taps in wash-basin and shower when not in use even for a short time.
 - ▶ Repair leakages in the water heater connectors and water taps immediately.
 - ▶ Do not keep the storage type water heater 'ON' once your hot water requirement is over to avoid any standby heat loss.
 - ▶ Always use water heaters with in-built thermostat to control the temperature of water.
 - ▶ Carry out periodic maintenance to check the electrical connections, heating element and thermostat operation periodically.
- ▶ Keep the thermostat setting for water heaters to lower temperature for saving energy. The factory setting for thermostat is usually set at higher temperature around 60oC. A setting of 40-50oC is usually recommended.
 - ▶ Use geysers with 'Seasonal Selection' control to optimize the energy consumption as per season.
 - ▶ Choose from the Storage type (boiler) or Instant water heater depending upon your family size and requirement of hot water.
 - ▶ For your next purchase pick BEE star labeled water heater. More the stars in RED, more the savings.
 - ▶ Use Gas water heaters or Solar water heaters in place of electrical ones
 - ▶ Solar water heaters also produce hot water during rainy season and winter.



HEATING, VENTILATION & AIR CONDITIONING

Check the suggestions to minimizing the Heating, Ventilation & Air Conditioning Load

- ▶ Always allow adequate space for the installation, maintenance, and repairs of AC system in your unit.
 - ▶ Place the condensing unit in a shady spot.
 - ▶ You must use the most efficient compressors for continuous duty while keeping the others on standby mode.
 - ▶ Get the installation done by authorised professional personnel observing manufacturer's instructions.
 - ▶ The duct system should be properly sealed. This could save 10 percent to 15 percent of the electricity into air conditioner.
 - ▶ Do not set temperature setting too low. 24oC is comfortable for human body.
 - ▶ Remember to close doors and windows while running the air conditioning.
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 - ▶ Try and install in your unit double doors, automatic door closer and air curtains to avoid the conditioned air from going out.
 - ▶ Regular maintenance and overhauling of the HVAC system is essential to assist the equipment run efficiently.
 - ▶ Regularly get your Air Conditioner Condenser cleaned by professionals.
 - ▶ Recycle or recharge the air conditioner refrigerant every few years by seeking professional help.
 - ▶ If your Air Conditioner is not giving desired output, consider replacing it with a new Energy Efficient Air Conditioner.
 - ▶ Look for the energy efficient BEE Star Labeled Air conditioner. More the stars in Red, more the EER (Energy Efficiency Ratio) and lesser the energy consumption.
 - ▶ Choose the right size air conditioner as per your needs
- ▶ Screw compressors are more efficient than reciprocating compressor, therefore a better option to use.
 - ▶ Centralized AC systems are preferred for conditioning mass area having constant occupancy.
 - ▶ In case you need to know more about Energy Efficient air conditioner fitting your requirements, You can visit the website of Bureau of Energy Efficiency (BEE) at www.bee-india.nic.in

