

COMMERCIAL TIPS

---

**simple**  
**ways,**  
**great**  
**savings**

**adani**  
Electricity

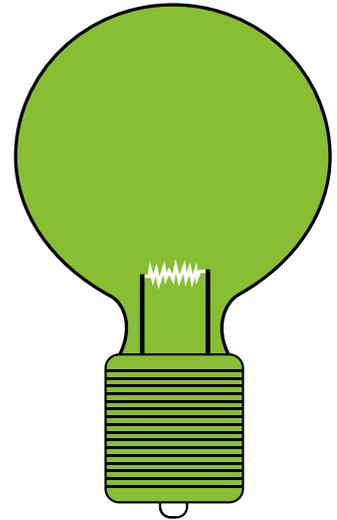
## LIGHTS

---

### 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 amp 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 CFLs, 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 replacement chart to decide the right replacement for your current fixtures.



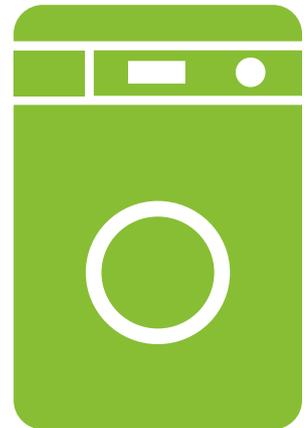
## WASHING MACHINE

---

### 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.

- Pluck any leakages in the room doors, windows and vents to prevent cooled air from escaping.
- Remember to close doors and windows while running the air conditioning.  
Pluck any leakages in the room doors, windows and vents to prevent cooled air from escaping.
- 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](http://www.bee-india.nic.in)

