

Broad Design Guidelines for energy efficient buildings in Haryana

Recommendations

- Follow National Building Codes for illumination standards.
- Use Energy Conservation Building Codes for Lighting Power Density Standards.
- Use CFL lights in place of conventional bulbs.
- Use T-5 tubelights (28 W) in place of T8/T12 tubelights (40W -52 W).
- Use fixtures with batwing louvers for glare control.
- Use electronic ballast in place of electromagnetic ballast.
- Use sensors and dimmers for intelligent lighting.
- For campus lighting, use smart lighting systems.

Renewable Energy Technologies

Recommendations

- Use Solar Water Heating Systems if hot water is required in the building.
- Use building integrated Photovoltaics(BIPV) for low energy requirements of the building
- For heating and cooling of the building, Earth Air Tunnels should be used.
- For waste water recycling, biological recycling should be used. The waste water then can be used for watering the lawns and plants.