



## ECO Niwas Samhita 2018

Ministry of Power has launched the **Energy Conservation- New Indian Way for Affordable & Sustainable Homes (ECO Niwas) Samhita 2018**, an Energy Conservation Building Code for Residential Buildings (ECBC-R) to give a further fillip to India's energy conservation efforts.

- The Code was launched on the occasion of **National Energy Conservation Day 2018** which is celebrated every year on **14th of December by Bureau of Energy Efficiency (BEE)**.

### ECO Niwas

- The code focuses on building envelope, mechanical systems and equipment including heating, ventilating, and air conditioning (HVAC) system, interior and exterior lighting systems, electrical system and renewable energy.
- It also takes into account the **five climates zones** (Hot Dry, Warm Humid, Temperate, Composite and Cold) present in India.
- However, it addresses **only energy efficiency** of buildings. **Water and other aspects are not covered** under it.

### Benefits

- It aims to benefit the occupants and the environment by promoting energy efficiency in design and construction of homes, apartments and townships.
- Implementation of this Code will have potential for energy savings to the tune of **125 Billion Units of electricity** per year by 2030, which is equivalent to about **100 million ton of CO<sub>2</sub> emission**.
- The **Energy Conservation Building Code (ECBC)** was launched in 2007 by the BEE to set energy efficiency standards for design and construction of buildings as a first step towards promoting energy efficiency in the building sector.

### Bureau of Energy Efficiency

- BEE is a **statutory body** under **Ministry of Power** which was setup in 2002 under the provisions of the **Energy Conservation Act, 2001**.
- It is mandated to implement policy and programmes in the area of **energy efficiency and conservation**.
- Other agencies that promote energy efficiency in buildings:
  - **LEED-India** - Leadership in Energy & Environmental Design (LEED) is an international recognized certification system for the green buildings. The LEED-India Green Building Rating System is an international benchmark for the design, construction and operation of high performance green buildings (provided by IGBC).
  - **IGBC Ratings** - The Indian Green Building Council (IGBC) is a division of the Confederation of Indian Industry that works closely with the government and aims at sustainably built environment.
  - **TERI GRIHA** - The Green Rating for Integrated Habitat Assessment (GRIHA) is a national rating system for green buildings that is adopted while designing and evaluating new

buildings.

[Read more about Energy Efficiency in India](#)

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