

RESIDENCE OF MR. SELVARASU: KURUNJI

Bengaluru, India | Final EDGE Certification | March 2018

Developer: Mr. Selvarasu | EDGE Expert: Nandana Dilip Kumar

EDGE Auditor: Kuladeep Kumar Sadevi



After spending more than 27 years working in energy management and green building consulting, Mr. Selvarasu decided to build his own green home. He hoped building green would provide the best possible future for his family and ensure long-term sustainability for his residence.

Located in Bengaluru, Mr. Selvarasu's home has a variety of features that offer a more comfortable and green lifestyle. These include a rainwater harvesting system, solar hot water collectors, LPG operated geysers, controlled use of glass and stone and terrazzo-tiled flooring. Building green has also allowed the Selvarasu family to save significantly on their utility bills. The family's new home is twice the size of their old home, but their utility bills have been cut in half. With more and more of India's population entering the middle-income bracket, it becomes increasingly important for larger homes to be designed and built in a resource efficient way. Mr. Selvarasu hopes to encourage others to build their own green home as well.

Kurunji, the Residence of Mr. Selvarasu, has received final EDGE certification from GBCI.

Size
316 m²

Certified Units
1

People Impacted
4

CO₂ Savings
10 tCO₂/Year

99% ENERGY SAVINGS



Reduced window to wall ratio, reflective paint and tiles for the roof, higher performance glass, energy-efficient air conditioning system, energy-saving lighting for indoors, outdoors and common areas, LPG operated geysers, solar hot water collectors and solar photovoltaics are projected to save 99% of the energy that a conventional home would require.

35% WATER SAVINGS



Low-flow showerheads and faucets, dual flush for water closets, rainwater harvesting system and recycled grey water for flushing help reduce water waste and lower utility bills.

30% LESS EMBODIED ENERGY IN MATERIALS



Honeycomb clay blocks with internal and external plaster for internal walls, solid dense concrete blocks for internal walls, stone and terrazzo tiled flooring and timber window frames help reduce this project's impact on the environment.



EDGE, an innovation of International Finance Corporation (IFC), is a green building certification system focused on making buildings more resource-efficient. It empowers developers to quickly identify the most cost-effective ways to reduce their building's energy use, water use and embodied energy in materials. Green Business Certification Inc. (GBCI) administers EDGE certification in over 140 countries around the world and is the exclusive certification provider for all EDGE buildings in India. Learn more at edge.gbci.org.