

RESIDENCE OF MR. KRISHNAN: AVYUKTA

Bengaluru, India | Final EDGE Certification | March 2018

Developer: CG Krishnan | EDGE Expert: Nandana Dilip Kumar

EDGE Auditor: Kuladeep Kumar Sadevi



After spending 20 years designing green buildings for others, CG Krishnan decided to practice what he preached. As the Director of LEAD Consultancy & Engineering Services Pvt. Ltd, a green building design consultant firm located in Bengaluru, Mr. Krishnan built a sustainable home for his family to lower both their carbon footprint and utility bills.

Solar energy satisfies the home's low energy needs, due to measures such as energy-saving lighting. A rainwater harvesting system that uses 100 percent of the roof area and the use of recycled grey water help the Krishnan family save a significant amount of water. With these resource-efficient features, the Krishnan family is projected to cut its utility costs in half.

Mr. Krishnan hopes others will see the value of building green in India. He believes that green buildings have the potential to transform the country's residential market as more builders see the benefits of building sustainably. Avyukta, the Residence of Mr. Krishnan, has received final EDGE certification from GBCI.

Size
511 m²



99% ENERGY SAVINGS

Reduced window to wall ratio, higher performance glass, energy-efficient air conditioning, energy-saving lighting, solar hot water collectors and solar photovoltaics are projected to save 99% of the energy that a conventional home would require.

Certified Units
1



57% WATER SAVINGS

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

People Impacted
4

40% LESS EMBODIED ENERGY IN MATERIALS

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

CO₂ Savings
15.03
tCO₂/Year



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.