

# RAINBOW CHILDREN'S HOSPITAL – BENGALURU



Bengaluru, India | Final EDGE Certification | April 2018

Developer: Rainbow Hospitals | EDGE Auditor: Samhita M



Rainbow Children's Hospital – Bengaluru offers a bright and comfortable environment not only for patients seeking care, but also for the doctors and nurses who work to save lives. The newest addition to the Rainbow Children's Hospital group, the Marathahalli facility, is located just outside Bengaluru. The 200-bed hospital maximizes natural lighting and ventilation, and incorporates many green features to conserve natural resources and provide a more pleasant environment for all. Forty-eight percent of the building's hot water demand is supplied using on-site solar hot water collectors. Additionally, a black water treatment and recycling system conserves all non-potable water so it can be used for landscaping, water closets and urinals.

Building green has allowed the hospital to save nearly US \$7,000 in operating costs each month, helping allocate more finances toward patient care. The success of the Rainbow Children's Hospital has inspired management to incorporate sustainable designs into their other projects. Rainbow Children's Hospital – Bengaluru has received final EDGE certification from GBCI.

**Size**  
13,710 m<sup>2</sup>



## 27% ENERGY SAVINGS

Reduced window to wall ratio, low-E coated glass, energy-efficient air-conditioning with a water-cooled chiller, energy-saving lighting and solar hot water collectors are projected to save 27% of the energy that a conventional hospital would require.

**People Impacted**  
295



## 33% WATER SAVINGS

Low-flow showerheads and faucets and dual flush water closets, water-efficient urinals and a black water treatment and recycling system help reduce water waste and lower utility bills.

**CO<sub>2</sub> Savings**  
531.2  
tCO<sub>2</sub>/Year



## 26% LESS EMBODIED ENERGY IN MATERIALS

Solid dense concrete blocks for internal and external walls 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](http://edge.gbci.org).