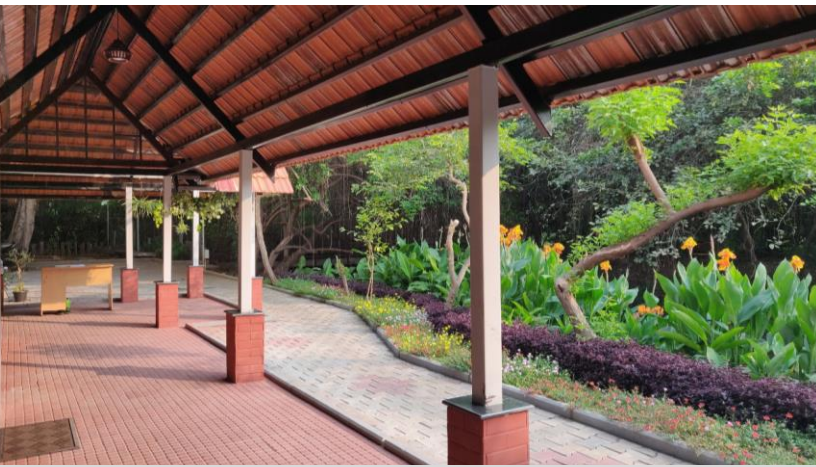


OFFICE OF TAMIL NADU INFRASTRUCTURE FUND MANAGEMENT CORPORATION LTD



Chennai, India | Final EDGE Certification | December 2018

Developer: TNIFMC | EDGE Expert: Mahesh Kumar M | EDGE Auditor: Harish Kumar J



Tamil Nadu Infrastructure Fund Management Corporation (TNIFMC) is an asset management company promoted by the Tamil Nadu government that manages infrastructure and shelter funds. The shelter fund finances affordable housing projects that fulfil its ESG parameters with a triple bottom line approach to people, planet and profit. TNIFMC has determined that EDGE certification is a pre-requisite for its projects.

To set an example, TNIFMC decided to obtain EDGE certification for its own office. Green features of the building, which are both practical and aesthetic, include the following:

- Renovation of the existing 30-year-old structure (adding only walls, interiors and a retrofitted roof) to minimize the embodied energy in materials.
- High-efficiency Variable Refrigerant Flow (VRF) air-conditioning and LED lighting systems.
- Autoclaved aerated concrete blocks for external walls, reflective roof finish, and roof insulation to minimize heat load.
- Vertical garden to fully shield the west wall.

The Office of Tamil Nadu Infrastructure Fund Management Corporation Ltd has received final EDGE certification from GBCI.

Size
687 m²



74% ENERGY SAVINGS

Reflective paint for roof, external shading devices, insulation of roof, energy-efficient variable refrigerant flow (VRF) system, and energy-saving lighting are projected to save 74% of the energy that a conventional office would require.

People Impacted
49



44% WATER SAVINGS

Low-flow faucets in the kitchen and bathrooms, dual-flush water closets and water-efficient urinals help reduce water waste and lower utility bills.

CO₂ Savings
107.2 tCO₂/Year



39% LESS EMBODIED ENERGY IN MATERIALS

Aluminum sheets on steel rafters for roof construction, autoclaved aerated concrete blocks for external walls, and plasterboards on metals studs for internal 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.