



Gujarat Real Estate Regulatory Authority
Encourages Sustainable practices through

GREEN BUILDINGS



Indian Green Building Council
Greening India since 2001



Confederation of Indian Industry

NEWS CLIPPINGS ON SUSTAINABLE CONSTRUCTION



THE HINDU

HYDERABAD

“It’s a myth that green buildings are expensive”

HYDERABAD, SEPTEMBER 07, 2014 23:31 IST
UPDATED: JULY 13, 2016 16:27 IST

Saving the planet will be an obvious outcome. However, the point is to go ‘green’ and not lose our comfort and convenience – Chandrashekar Hariharan vice-chairman, IGBC. A regular builder will calculate roughly 150 litres water per capita per day.

Gujarat wakes up to green building concept

TNN | Sep 29, 2015, 15:36 IST

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Industry (CI).

AHMEDABAD: Green seems to be the new mantra for developers in Gujarat, especially in Ahmedabad. As many as 150 buildings across the state are in the process of getting green building certification and around 27 buildings have already received it from Indian Green Building Council (IGBC), a part of the Confederation of Indian

Gujarat to get 10 million sq ft of Green Building footprint in three years

Indian Green Building Council and The Gujarat Institute of Housing and Estate Developers aspire to facilitate construction of 10 mn sq.ft. of Green Building footprint.

By Shyamani Ganguly, ET Bureau | Last Updated: Nov 19, 2015, 05:48 PM IST



2 Comments



Indian Green Building Council (IGBC), part of CII and

AHMEDABAD: Indian Green Building Council (IGBC), part of CII and The Gujarat Institute of Housing and Estate Developers (GIHED) aspire to facilitate construction of 10 Million sq.ft. of Green Building footprint in next 3 years. The duo on Thursday pledged to promote Green Buildings in Gujarat during the inaugural session of the 13th Edition of IGBC International Green Building Conference in Gandhinagar, Gujarat.

Almost 14 lakh houses in India are now ‘green’

India now has an ambitious target of having 10 billion sq ft green building footprint by 2022. It is expected to increase the green footprint by around 10%.

Ravi Kumar Diwaker | Magicbricks | November 27, 2018, 19:00 IST

It is a myth that green buildings cost more; sustainable is affordable

6 min read . Updated: 09 Jan 2018, 02:56 PM IST

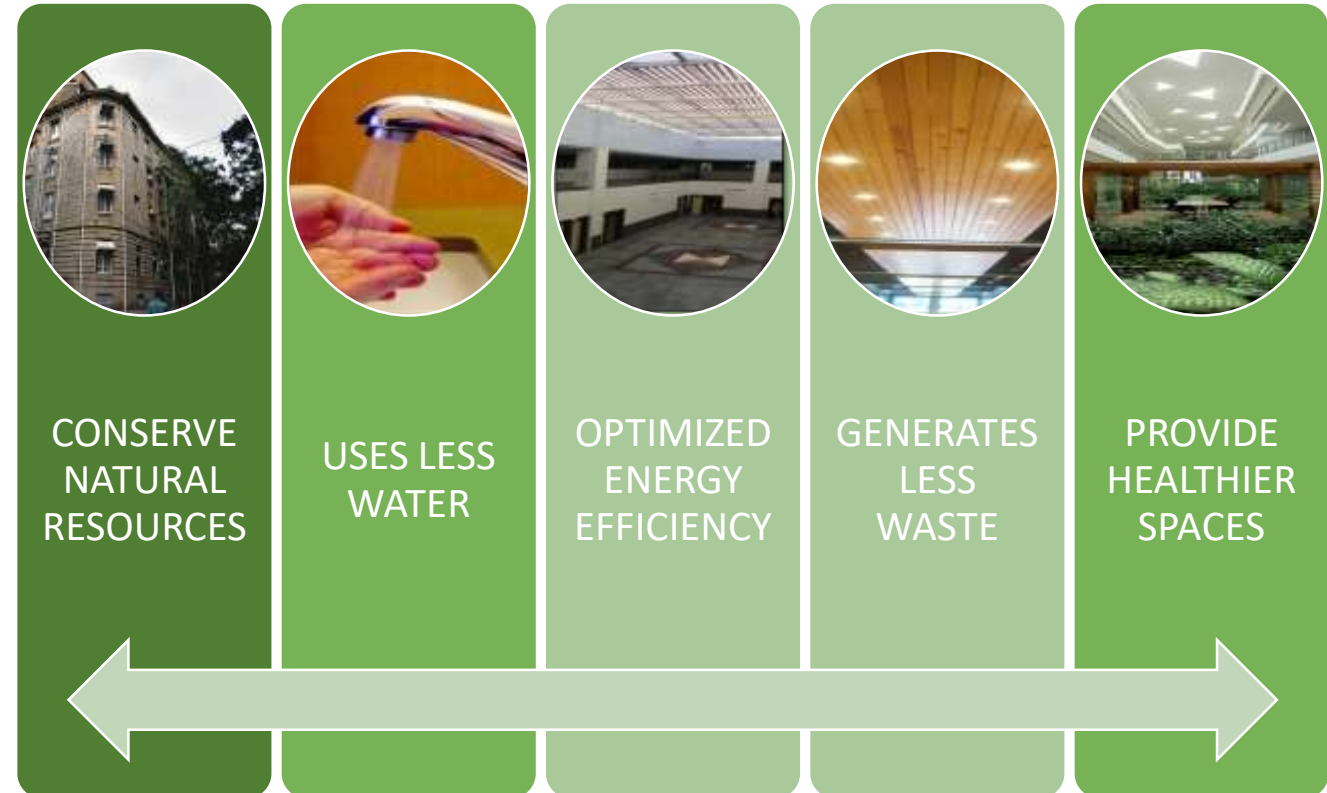
Ashwini Kumar Sharma

Mint Money spoke with Sanjay Seth of Griha Council about green buildings, making houses resource efficient, Griha’s role, and more

CONCEPT OF GREEN / SUSTAINABLE BUILDING



- ❑ A “Green / Sustainable” building is a structure that lowers, or removes adverse impacts in its architecture, **development or service that may have positive consequences on our community.**
- ❑ **Till now, no single (world-wide) definition of a sustainable building exists.**
- ❑ There are a number of features which makes a building green or sustainable, which includes:



GREEN BUILDING IS THE REDISCOVERY OF THE INDIAN ETHOS - 5 ELEMENTS OF NATURE (PANCHABHUTAS)



- Green Building is a whole-building's approach towards sustainability by recognizing performance in five key areas are:



PRITHVI

→ Site selection and Planning



JAL

→ Water Conservation



AGNI

→ Energy Efficiency



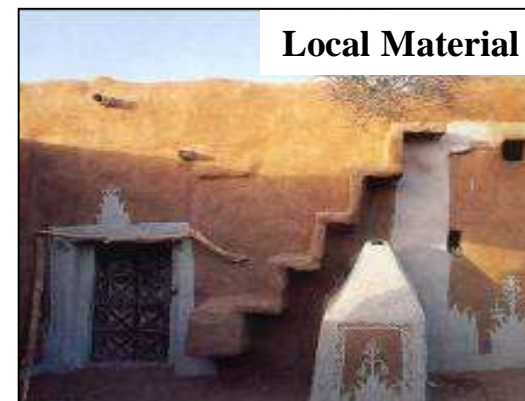
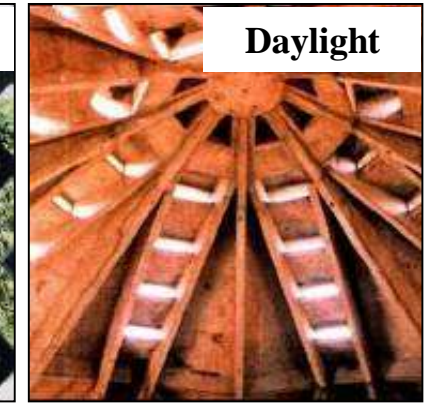
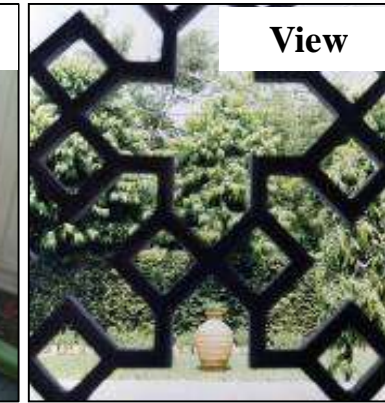
VAYU

→ Indoor Environmental Quality



AKASH

→ Daylight & Night Sky Pollution



TANGIBLE AND INTANGIBLE BENEFITS



TANGIBLE BENEFITS

Energy Saving 30-50%

Water Saving 20-30%

Less Initial Investment

Reduced Operating Cost

Optimized Life Cycle Performance

Reduction in CO2 Emissions

Reduction in Waste Generation

FEATURES

Efficient use of energy, water and other resources

Use of renewable energy, such as solar energy

Good indoor environmental air quality

Use of materials that are non-toxic, ethical and sustainable

Pollution and waste reduction measures, and the enabling of re-use and recycling

Consideration of the quality of life of occupants in design, construction & operation

Consideration of the environment in design, construction and operation

A design that enables adaptation to a changing environment

INTANGIBLE BENEFITS

Occupant Comfort

Less Impact on Environment

Healthier and Safer Indoors

Visually Appealing

Increased User Productivity

Enhances Brand Image

Contributing towards Sustainable Future

CASE STUDY – INDIA'S 1st GREEN BUILDING



PROJECT: CII SOHRABJI GODREJ GREEN BUSINESS CENTRE, HYDERABAD



Project Features

- Entire Building with AAC Blocks, 40% recycled content by cost.
- Low U values for walls, roof and glass.
- Daylight and Views for 87% and 90% permanently occupied area.
- CO2 monitoring and fresh air inlets, Low VOC paints and carpets.
- Over 90% local material & 80% recycled materials used by cost.
- Phytoremediation, 100% grey water usage, waterless urinals.

green impact

on the Country's Resources



Confederation of Indian Industry

CASE STUDY – GREEN COMMERCIAL BUILDING



Project: Sapath V, Ahmedabad



Project Features

- Building orientation, energy efficient glazing, shading devices, good daylight.
- Rainwater harvesting, Sewage Treatment Plant.
- Dual plumbing for flushing, landscape and HVAC using greywater.
- Water efficient fixtures.
- Fly ash Bricks, double glazed windows.
- Energy and water metering, BMS system, sensor based lighting.
- Waste segregation.
- Low VOC paints in common lobby.

green impact

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CASE STUDY – GREEN RESIDENTIAL PROJECT



Project: Pure by Sangath IPL, Ahmedabad

Project Features



- Water Savings – 31%
Over Baselines of Uniform Plumbing Code of India
- Rainwater Harvesting – 100%
Of the recommended Average Peak Monthly Rainfall
- Use of Salvaged materials – 4.6%
Of the Total Cost of the Construction (Civil & Interiors)
- Common Area Lighting – 100%
By Solar PV
- Day light Areas – 87%
Of the total regularly occupied areas
- Average Recycled Content – 21%
Of the total cost of the materials used in the building
- Use of Local Materials – 97%
Of the total building materials by cost used in the building
- Reduction in Heat Island Effect - 100%
Appropriate measures taken in total roof & non-roof areas
- Waste Diverted from Landfill – 100%
Of the total waste generated during construction

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