



Confederation of Indian Industry



Indian Green Building Council  
Greening India since 2001

## CII - Sohrabji Godrej Green Business Centre, Hyderabad

10  
Years of Journey

“ In Pursuit of Greener India ”



## From Hard Rocks To Habitat Green



**CII - Sohrabji Godrej Green Business Centre** is one of the 10 Centres of Excellence of the Confederation of Indian Industry (CII).

CII-Sohrabji Godrej Green Business Centre offers advisory services to the industry in the areas of Green buildings, Green companies, energy efficiency, environmental management, renewable energy, Green business incubation and climate change activities.

The Centre sensitises key stakeholders to embrace Green practices and facilitates market transformation, paving way for India to become one of the global leaders in Green businesses.

*"A small body of determined spirits fired by an unquenchable faith in their mission can alter the course of history."*

*Mahatma Gandhi*

**CII - Sohrabji Godrej Green Business Centre**  
India's First Platinum Rated Green Building



## Message from the President, CII

### Dear Friends

CII is working on the 'India @ 75 agenda' to transform India into a developed country by 2022.

The ten Centres of Excellence of CII have been providing unique advisory services to Indian industry at both strategic and operational levels and facilitating this agenda.

Fostering a green economy is one of the important components of this agenda.

CII-Sohrabji Godrej Green Business Centre, a centre of excellence in promoting ecologically sustainable business growth models.

CII-Sohrabji Godrej GBC has the distinction of spearheading the green building movement in the country and made India as one of the global leader. The Centre also has the distinction for



launching innovative concepts such as the GreenCo Rating System, the first of its kind in the world.

The Centre has also carved a niche of its own in promoting Energy Efficiency, waste recycling, renewable energy and is gearing up to develop new models which are ecologically superior and economically viable.

I appreciate and congratulate Jamshyd and the advisory board of Green Business Centre for their thought leadership and guidance and look forward to their continued contribution.

Regards  
**S Gopalakrishnan**



## Message from the Director General, CII

### Dear Friends

CII with the support of all the stakeholders has taken up the leadership role in building competitiveness and address the needs of Indian industry by establishing various Centres of Excellence across the country.

CII-Sohrabji Godrej Green Business Centre (GBC), a Centre of Excellence on Green Business was established to develop & promote Green businesses and highlight the business case for 'Green'.

GBC under the leadership of Mr Jamshyd N Godrej has walked the talk in spearheading the green building movement in the country.

Green Building movement in India was triggered off when GBC building was awarded with the first and the prestigious Platinum rated green building rating in India in 2003. It was the greenest building in the world at that point in time.

Under the leadership of Mr ParasuRaman and Dr Prem C Jain, today, Indian Green Building Council (IGBC) of CII has catalysed registrations of over 2,100 green building projects. This is a clear testimony that green buildings make good business sense.

GBC is forging vibrant partnerships between Government and industry in pursuing the Green agenda. It is actively working with States such as

Maharashtra, Pondicherry, Odisha, West Bengal, Rajasthan, Andhra Pradesh, Tamil Nadu, Karnataka, Goa, Kerala in highlighting the need and importance of green buildings, which is evoking excellent response.

GBC is also working with the States of Tamil Nadu, Odisha, Andhra Pradesh in developing Carbon Footprint of the State and facilitating a low carbon growth strategy. Further, GBC is working closely with various national and international partners to develop & promote new concepts and business models relevant to Indian industry.

Green Business Centre also engages in extensive awareness creation and capacity building activities in green buildings, energy efficiency and environmental management. Over the decade, GBC has reached out to 35,000 professionals, highlighting the need and importance of going green and also equipping them with the best & next practices in 'Green'.

CII through GBC will further work closely with all the stakeholders in facilitating Indian industry emerge as one of the global leaders in green business. We look forward to your continued support.



Regards  
**Chandrajit Banerjee**



# Message from the Chairman, CII - Godrej GBC

## Dear Friends

Ten eventful years have passed in our pursuit of a Greener India. As we look back a sense of satisfaction, a feeling of progress and also a realization on what needs to be done encompasses us.

A humble beginning was made when CII decided to tread the less travelled path by launching CII-Sohrabji Godrej Green Business Centre (GBC). Our aspiration was to develop GBC as a world class Developmental Institute in Green practices.

As a first step, we decided to practice Green before preaching Green. We pursued the construction of GBC building as a model green building. Our concerted efforts paid off. GBC building was awarded with the prestigious LEED Platinum rating in 2003 and it was the first green building in India and greenest building in the world at that point in time. The main idea was to prove that Indian industry in general and construction industry in particular can achieve world class standards and also demonstrate that green buildings are technically feasible and economically viable.

What started as one green building in 2003, Indian Green Building Council (IGBC) under the leadership of Founding Chair Mr ParasuRaman & present chair Dr Prem C Jain and in cooperation with US Green Building Council has catalysed more than 2,100 green building projects amounting to over 1.51 Billion sq.ft, which has put India on the top 5 countries in world green building map. The reason for this significant progress is the fact that IGBC demonstrated a business case for green buildings.

Over the last three years, our focus was on further driving the adoption of green practices in Indian industry. In this regard, GBC, under the leadership of Mr Pradeep Bhargava has launched GreenCo Rating System, first of its kind in the world which is applicable to all service and

manufacturing sectors of Indian industry.

We are confident, in days to come, GreenCo rating will act as a catalyst in Greening Indian industry and facilitate Indian Industry to become a leader in green & also globally cost competitive.

Recently under the leadership of Mr Anil Kumar Epur, GBC has embarked on an unique initiative to facilitate Industry's participation in promoting Green landscape & biodiversity by developing strong business models. We believe that Green landscaping will create healthier and safer places for people to live, work & play.

Green Power has immense potential in meeting the growing energy requirements of the country. To address this, GBC has launched Smart Power for Environmentally-sound Economic Development (SPEED) in cooperation with The Rockefeller Foundation & Technology Action for Rural Advancement (TARA) and Green Power Market Development Group (GPMDDG) in cooperation with the World Resources Institute (WRI).

Both these initiatives which are being led under the guidance of Mr Ramesh Kymal is evoking excellent response from stakeholders.

The objective of SPEED is to deliver clean energy to rural population using mobile telecom tower as anchor load to create a cleaner power infrastructure, thereby improving the quality of life and enhancing livelihood security. GPMDDG aims to transform energy markets and enable corporate buyers to access reliable and clean energy.

Through our World Class Energy Efficiency initiative lead by Dr Naushad Forbes, we have put cement, pulp & paper and power sector in the world energy efficiency map. All these sectors have made significant progress and it is heartening to learn that several Indian cement



companies are having the lowest specific power consumption in the world.

We are glad to inform that GBC has been receiving overwhelming support from its partners -USAID, WorldGBC, WRI, The Rockefeller Foundation, WWF, USGBC UKFCO, SDC, USDoE, USEPA, SIDA, Shakti Foundation in catalysing a Greener India.

It is a matter of great satisfaction that GBC with the support of all stakeholders has facilitated over 7.0 Million Tons /Annum of CO2 reduction. We would like to underline that GBC is committed to further bring down GHG emissions, thereby facilitating a low carbon growth trajectory in the country.

I take this opportunity to thank Mr ParasuRaman; Dr Prem C Jain; Dr Naushad Forbes; Mr Pradeep Bhargava; Mr Pradeep Dhobale; Mr N K Ranganath; Mr Ramesh Kymal; Mr Vijay Chandok; Mr Anil Kumar V Epur; Mr G V Prasad;

Mr L S Ganapati; Mr S Chandrasekhar; Mr Kasi Viswanathan and Mr G Jayaraman for all their support and leadership in facilitating a Greener India.

As we march ahead in our pursuit of Greening India, we look forward to your involvement and support in addressing economic, ecological and social issues of the country.

Regards  
**Jamshyd N Godrej**

# About CII-Godrej GBC Councils

Mr. Jamshyd N Godrej  
Chairman



## Indian Green Building Council

The vision of the Council is to enable 'sustainable built environment for all' and facilitate India to be one of the global leaders in sustainable built environment by 2025.

Dr Prem C Jain  
Chairman



## Renewable Energy Council

The Council will facilitate the wider adoption of renewable energy and attract corporate investment in the sector.

Mr Ramesh Kymal  
Chairman



## Energy Efficiency Council

The vision of the Energy Efficiency Council is to facilitate Indian industry in achieving world class levels in energy efficiency.

Dr Naushad Forbes  
Chairman



## Water Management Council

The vision of the Water Management Council is to guide Indian industry towards industrial self-sufficiency in water, ultimately leading to "Zero Water Discharge".

Mr N K Ranganath  
Chairman



## Environment and Recycling Council

The Council will champion sustainable development. The long term objective of the council is to establish a recycling industry in India.

Mr Pradeep Bhargava  
Chairman



## New Ventures India

New Ventures India (NVI) is a centre of sustainable entrepreneurship, specially designed to meet the needs of Indian sustainable entrepreneurs and help them overcome common business challenges.

Mr Vijay Chandok  
Chairman



# Snapshot of KEY ACHIEVEMENTS

**2,110**

IGBC registered  
green building projects,  
spread across five  
climatic zones of  
the country

**1,010**

IGBC Accredited  
Professionals to  
facilitate green building  
projects in India

**1.51** Billion sq.ft  
of registered green  
building footprint

**1,350**

Detailed energy audits

**7**

IGBC Green Building  
Rating Systems



**9**

GreenCo Rated  
Companies

Facilitated investments of

₹**1230** million  
in 16 Green SMEs



Facilitated  
₹**5024** million  
Annual  
Recurring  
savings

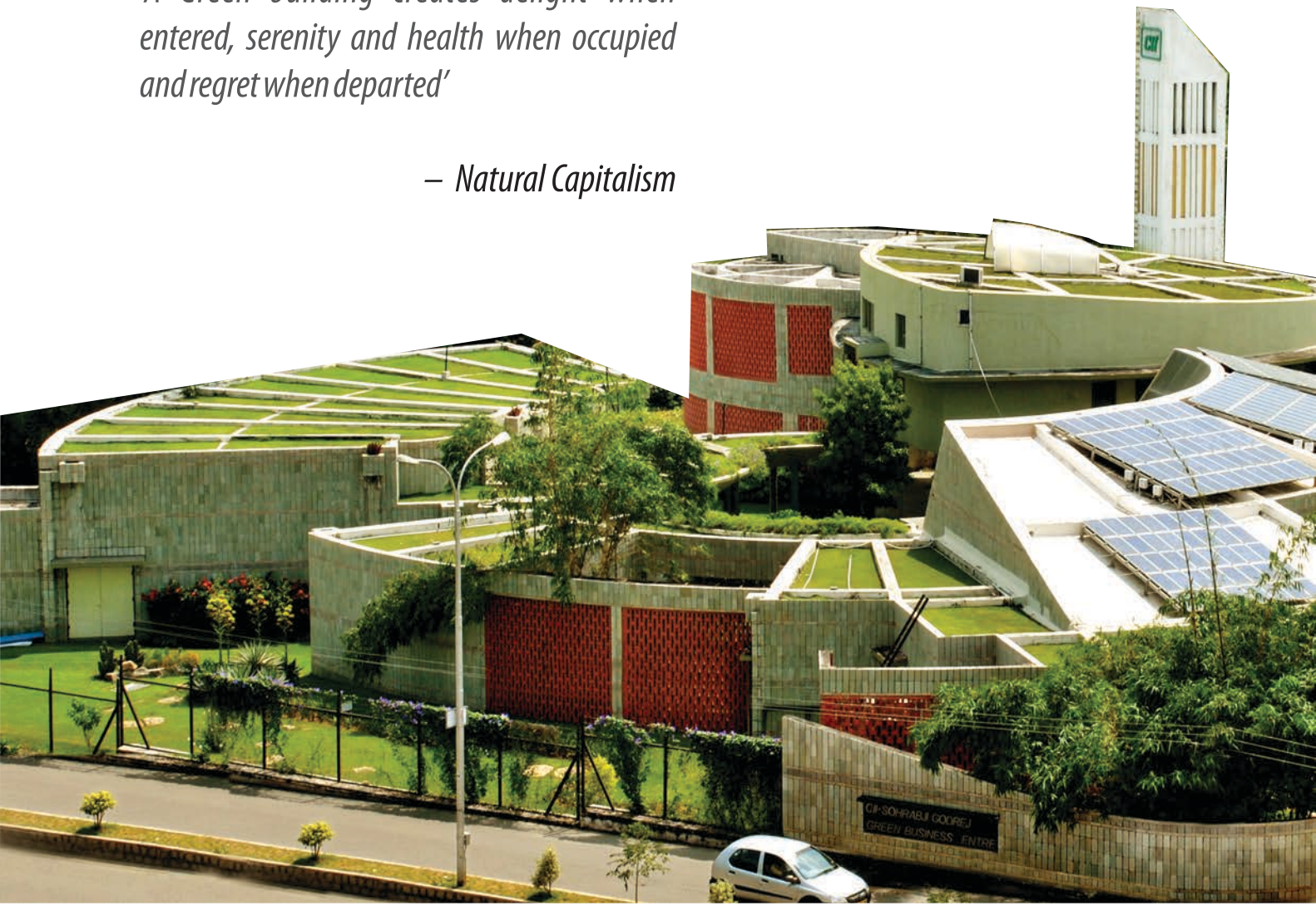
**Facilitated over 7.0 Million Tons /Annum of CO<sub>2</sub> Reduction**



# Spearheading the Green Building Movement in the Country

*'A Green building creates delight when entered, serenity and health when occupied and regret when departed'*

— *Natural Capitalism*





Dr Prem C Jain  
Chairman, IGBC



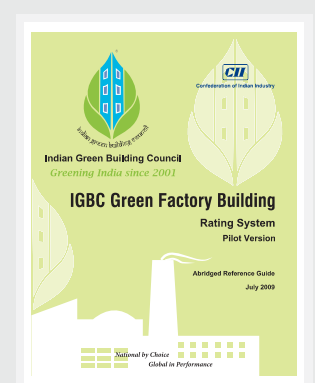
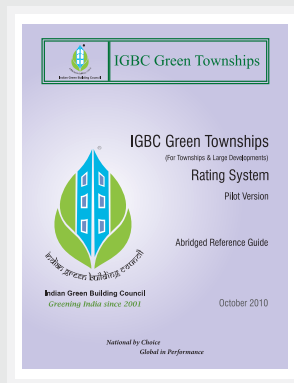
## Indian Green Building Council

### *Greening India since 2001*

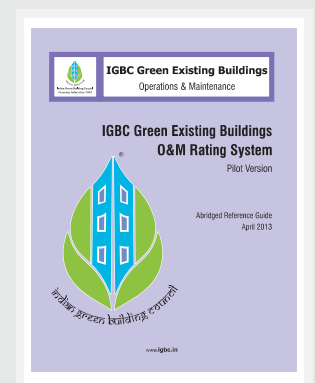
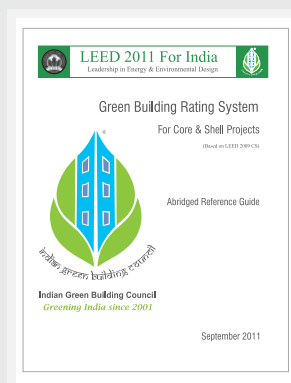
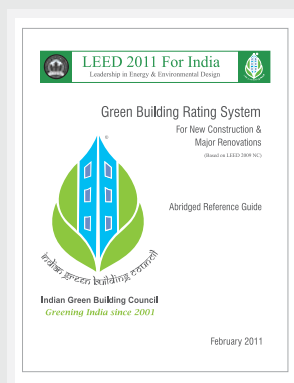
#### ***Vision***

*To enable sustainable built environment for all and facilitate India to be one of the global leaders in sustainable built environment by 2025.*

# IGBC Green Building Rating Systems



**National by Choice**   
**Global in Performance** 







## The Growing Numbers

**In 2001**  
**1 Green Building**  
**20,000 Sq.ft.**



**Today**  
**2,111 Registered**  
**Green Building Projects**  
**1.51 Billion sq.ft.\***

\*as on 15 July 2013

# IGBC Local Chapters

To facilitate the spread of Green Building concepts throughout the country, IGBC local chapters have been launched.

Chapter	Chair	Vice-Chair
Ahmedabad	Mr Sameer Sinha	Mr Jayesh Hariyani
Bangalore	Mr Syed Mohamed Beary	Dr Chandrashekar Hariharan
Chennai	Ar C N Raghavendran	Mr Ajit Kumar Chordia
Coimbatore	Mr Rajesh B Lund	Col A Sridharan
Delhi	Ar Vidur Bharadwaj	
Goa	Mr Amar J Britto	Mr Bharat Kamat
Hyderabad	Mr C Shekar Reddy	
Jaipur	Mr Kishore Khaitan	Mr Jaimni Uberoi
Kochi	Ar B R Ajit	
Kolkata	Ar Shakuntala Ghosh	
Mumbai	Mr Ravi Raheja	Mr Gurmit Singh Arora
Pune	Mr Lalit Kumar Jain	Mr J R Tanti, Ms Poorva Keskar
Vadodara	Ar Karan Grover	Mr R Bhavesh Baldevbhai Shah

## IGBC Leadership in various States



Green Buildings  
makes  
Business Sense

2005

14%

7  
years

2009

10%

4  
years

2012

5%

2  
years  
Payback

% incremental cost of  
a Green Building

Financial attractiveness



# Green Landscaping

## *Vision*

*Urban cities of the country to achieve 33% Green cover by 2020.*

### Benefits of Green Landscaping

- Water savings of about 40-50 %
- Energy savings of about 30-40%
- Enables health and well-being
- Promotes native species
- Enhances biodiversity
- Effective waste management





# IGBC Outreach Programmes





**2,100<sup>+</sup>**

Registered  
Green Building Projects

**1.51**

Billion Sq.ft  
Green Building Footprint

**1,010<sup>+</sup>**

IGBC  
Accredited Professionals

**4,00,000<sup>+</sup>**

Residential dwelling units  
going green

**1,400<sup>+</sup>**

IGBC Members

**19,000<sup>+</sup>**

Trained Green Building Professionals

**1,000<sup>+</sup>**

Commercial Buildings  
Going Green

**50<sup>+</sup>**

Government Buildings  
Going Green

**13**

IGBC  
Local Chapters

**362**

Rated and Fully Functional  
Green Buildings in all 5 Climatic Zones

**200**

GOLD rated  
Green Buildings

**10**

Green Building Congress  
Editions

**135<sup>+</sup>**

Green Building Products

**97**

Factory Buildings  
Going Green

**100<sup>+</sup>**

Platinum  
rated Green Buildings

**30<sup>+</sup>**

Large Scale Developments  
Going Green



Promoting Green Companies through  
GreenCo Rating System, *the first of its kind in the world*



**Mr Pradeep Bhargava**

Chairman - Environment and Recycling Council



**How Green is your company?**



GreenCo helps drive excellence in Resource Conservation, Bottom-line Improvement, Green Corporate Image and goes much beyond compliance.

It also helps provide strategies for long-term competitiveness, besides being an excellent tool for top management to monitor their Green Performance.



# 9 GreenCo Rated companies

- |                                       |   |
|---------------------------------------|---|
| • ACC Ltd, Thondebhavi                | • ITC-PSPD, Bhadrachalam                |
| • Bangalore International Airport Ltd | • JK Tyre, Kankroli; Rajasthan          |
| • Brakes India, Foundry Division      | • Thyssenkrupp Electrical Steel, Nashik |
| • Hindustan Unilever, Mysore Factory  | • Vasavadatta Cement, Sedam             |
| • HIL ,Golan, Gujarat                 |   |



**60** Companies  
working on GreenCo



## Benefits of GreenCo

- I Resource Conservation
- I Corporate Green Image
- I Transparency
- I Meets Future Regulations

## Levels of GreenCo Rating



## Ecological Footprint Study for India

This study reveals that India now demands the equivalent of two India's to provide for its consumption and absorb its waste.



# Catalysing Green Power



**Mr Ramesh Kymal**  
Chairman - Renewable Energy Council

## Smart Power for Environmentally - sound Economic Development (SPEED)

### Household Electrification

**Objective:**  
To deliver clean  
energy to rural  
population using  
mobile tower as  
anchor load



Micro Grid

**Outcome:**  
Implementation  
of 50 commercial  
pilots by 2014



Micro Grid

Micro Grid



Mobile Towers

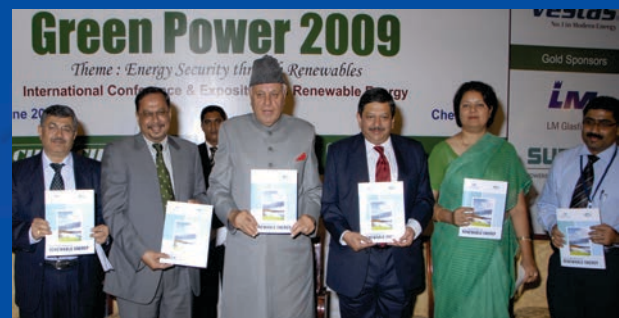


Micro Enterprises

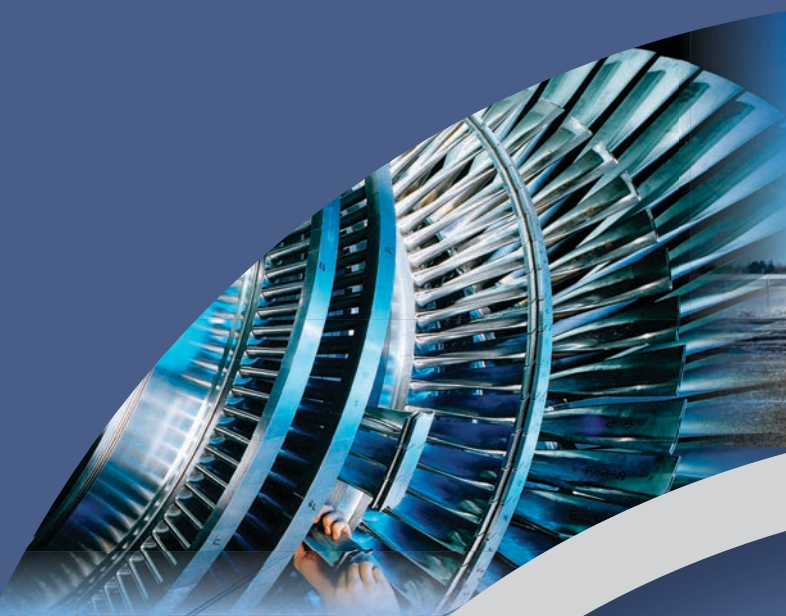


### Green Power Market Development Group (GPMDG)

The objective of the GPMDG is to transform energy markets and enable corporate buyers to access reliable and clean energy, diversify their energy portfolios with green power, and reduce their impact on climate change. GPMDG brings together renewable energy buyers, sellers and regulators on a common platform.







**Dr Naushad Forbes**  
Chairman - Energy Efficiency Council

## Driving **Energy Efficiency Movement**

Energy efficiency enables resource conservation by bringing down the need for more resources. It also leads to reduced Green House Gas (GHG) emissions, lesser pollution levels and a healthier environment.



### World Class Energy Efficiency

GBC facilitates adoption of best operational practices in cement, pulp & paper, power plant and sugar sectors.

### GHG Accounting

GBC with the support of international partners has launched a program for developing corporate GHG inventory & reduction program for Indian industry.

### Energy Audits

As on date, GBC has conducted more than 1,350 detailed energy audits. The audited units have reported a cumulative annual savings of ₹2,350 Million.

### Low Carbon Roadmap for Indian Cement Industry

This report is an effort to create a roadmap for Indian cement industry to achieve its target of 20% reduction in its Greenhouse gas emission intensity.

### Tamil Nadu Carbon Footprint Report

This report has highlighted broad opportunities for emission reduction and achieving Low Carbon Growth for the State.

### Fiscal Instruments for Climate Friendly Industrial Development in West Bengal, Odisha and Tamil Nadu

The objective of this project is to help the states adopt appropriate fiscal instruments to mobilize low carbon investment and facilitate low carbon industrial development.

### Perform Achieve and Trade (PAT) Scheme

CII has assisted BEE in conducting about 100 baseline studies.



## CII-Triveni Water Institute

GBC facilitated the launch of CII-Triveni Water Institute, the first of its kind in the world where government, industry and civil society have come together to address the water related issues in a holistic manner. One among CII's ten acclaimed Centers of Excellence,

CII-Triveni Water Institute focuses on water and waste water management in industrial, domestic, agricultural and environmental sectors.

The Institute's Vision is – 'Enabling India to make substantial progress towards achieving water security by 2022'.



## New Ventures India - Achievement

New Ventures India (NVI) has showcased 50 enterprises since 2005 and facilitated investments to the tune of ₹1,230 Million (USD 30.97 Million) into 16 green SMEs.





# Showcasing GBC Campus in Conserving BIODIVERSITY

*Caralluma  
fimbriata*

*Andrographis  
paniculata*

*Hybanthus  
enneaspermus*



*Turnera subulata*



*Couroupita  
guianensis*



*Passiflora  
incarnata*



*Albizia julibrissin*



*Actias luna*



*Daphnis nerii*



*Pycnonotus cafer*



*Accipiter badius*



*Pavo cristatus*

More than 300 native species documented in a short area of 5 acres



# Collaborations



US Green Building Council



Green Building Council of Australia



Swiss Agency for Development & Cooperation (SDC)



CREDAI



IVL - EPTRI



National Housing Board



NAREDCO

## GBC in the News



## Awards

### Award from US Department of Commerce

The Award was given in recognition of GBC's services in expanding US-India trade and services.

### Aspen Institute's - Energy and Environment Award 2009

This was awarded for GBC's contribution towards increasing renewable energy generation.



### National Best Energy Auditor Award

Winner of Petroleum Conservation Research Association's (PCRA), 'National Best Energy Auditor' Award for five consecutive times



### India Power Award 2010 under Innovative Financing

GBC was awarded with the India Power Award 2010 under innovative financing category by the Council of Power Utilities for 'aiming to mobilize equity and debt investment to finance Green products technology & services'.





## ▶ MAJOR EVENTS



Green  
Cementech

GREEN  
POWER

International Conference & Exposition on  
Renewable Energy

Energy Efficiency  
SUMMIT

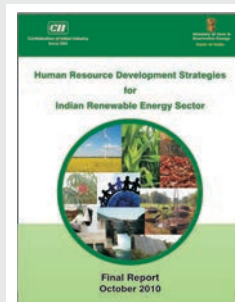
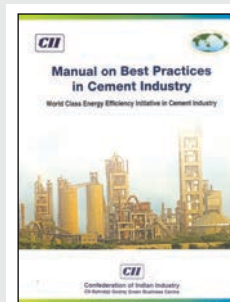
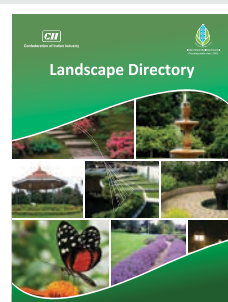
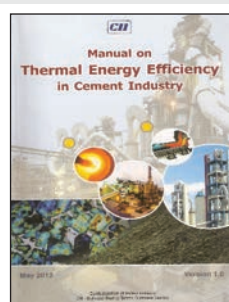
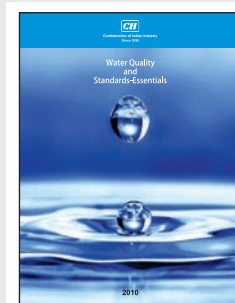
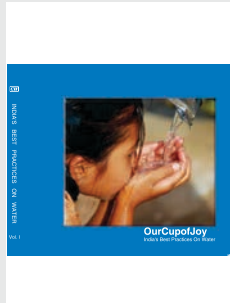
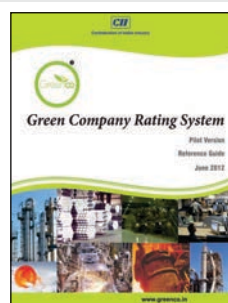
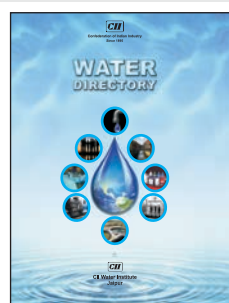
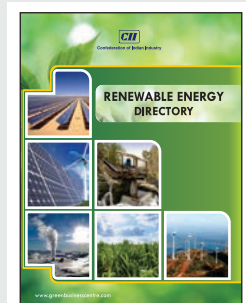
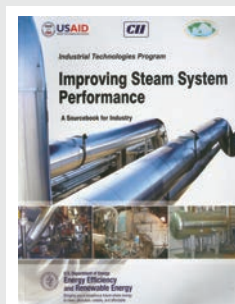
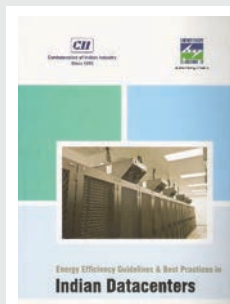
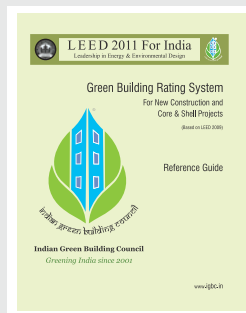
Greeneco  
Summit



Green  
Landscape  
Summit



# PUBLICATIONS



## ► Visit of Key Dignitaries



H.E. Mr John Thwaites, Deputy Premier, Minister for Environment & Water, Victoria.



H.E. Mr. Stephen L. Johnson, USEPA



H.E. Mr. Duck-Soo Han, Deputy PM and Minister of Finance, South Korea



Mr Vilas Muttemwar, Hon'ble Union Minister for Non-Conventional Energy Sources



Mr Adi Godrej, CII, President



H.E. Mr Asko Numminen, Ambassador of Finland



H.E. Mr Premysl Sobotka, President of Czech Republic



H.E. Mr Abdullah Al-Darhari, Deputy Prime Minister of Syria



Prof K V Thomas, Hon'ble Minister of State for Agriculture, Consumer Affairs, Food and Public Distribution, Government of India



H.E. Hiroshi Watanabe, Ministry of Finance, Japan



H.E. Mr David Bohigian, Assistant Secretary, US Department of Commerce





Team from World Resources Institute



H.E. Sir Richard Stagg, British High Commissioner to India



H.E. Dr Paavo Vayrynen, Minister of Foreign Trade & Development, Finland



Her Excellency Ms Micheline Calmy-Rey  
President of Switzerland



H.E. Dr. Linus von Castelmuur, Ambassador of Switzerland to India and Bhutan



H.E. Mr. Pierre Vaesen, Ambassador of Belgium



HE Mr Timothy J Roemer, US Ambassador to India



The Hon. Simon Crean, MP, Australian Minister for Trade



H.E. Mr Robert P. Casey Jr, US Senator



H.E. Mr Francisco Sanchez, Under Secretary of Commerce for  
International Trade, U.S. Department of Commerce



H.E. Mr Dalton McGuinty, Premier of Ontario, Canada





Solar Panels







Roof Garden



Staff of GBC



## About us

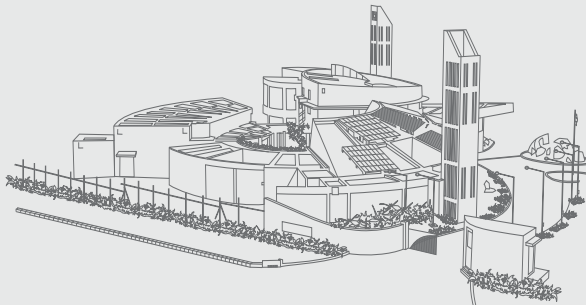
The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded over 118 years ago, India's premier business association has over 7100 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 90,000 enterprises from around 257 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

The CII Theme for 2013-14 is Accelerating Economic Growth through Innovation, Transformation, Inclusion and Governance. Towards this, CII advocacy will accord top priority to stepping up the growth trajectory of the nation, while retaining a strong focus on accountability, transparency and measurement in the corporate and social eco-system, building a knowledge economy, and broad-basing development to help deliver the fruits of progress to all.

With 63 offices, including 10 Centres of Excellence, in India, and 7 overseas offices in Australia, China, France, Singapore, South Africa, UK, and USA, as well as institutional partnerships with 224 counterpart organizations in 90 countries, CII serves as a reference point for Indian industry and the international business community.



**Confederation of Indian Industry**  
CII Sohrabji Godrej Green Business Centre

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[www.greenbusinesscentre.com](http://www.greenbusinesscentre.com)

[www.igbc.in](http://www.igbc.in)

[www.greenco.in](http://www.greenco.in)