



GreenHabitat

"A Newsletter on Green Buildings"
From Indian Green Building Council, CII-Sohrabji Godrej Green Business Centre

What is "Green" ?

Green is not just a colour! It is much more than the colour. Green symbolizes environment friendly practices in all facets of human endeavour.

"**Green**" is the voluntary pursuit of any activity, which encompasses concern for energy efficiency, environment, water conservation, use of recycled products and renewable energy.

What is a Green Building?

A Green Building is one, which incorporates several Green features.

The appearance of a Green Building will be similar to any other building. However, the difference is in the approach, which revolves round a concern for extending the life span of natural resources, provide human comfort, safety and productivity.

This approach results in reduction in operating costs like energy and water, besides several intangible benefits.

Some of the salient features of a Green Building are:

- Minimal disturbance to landscapes and site condition
- Use of Recycled and Environmental Friendly Building Materials
- Use of Non-Toxic and recycled/recyclable Materials
- Efficient use of Water and Water Recycling
- Use of Energy Efficient and Eco-Friendly Equipment
- Use of Renewable Energy
- Quality of Indoor Air Quality for Human Safety and Comfort
- Effective Controls and Building Management Systems



CII – Godrej GBC Building at Hyderabad

Message from Chairman

Dear Readers,



Welcome to this first edition of GreenHabitat, a Newsletter on Green Buildings from the Indian Green Building Council, part of the CII-Sohrabji Godrej Green Business Centre.

We plan to bring this update to you every quarter henceforth.

As you are aware, the concept of Green Buildings is at a nascent stage in India, in the formal or contemporary sense. However, given our heritage in buildings and in the context of sustainability of our built environments, environment friendly construction with respect to buildings as well as towns has not been new to India. These concepts have been practiced since times immemorial. What we have lacked is our ability to document our processes and be scientific in repeating them under varying circumstances.

Yet the basic principles being the same, the Green Building movement is growing at a rapid pace in many countries at over 100% and is becoming a binding force amongst stakeholders of the Building fraternity with a common cause.

We are sure this will gain even further momentum in India too as is evident from the success we had in the past 2 odd years of our formal existence. This however will certainly need your personal co-operation and support.

Please do write to me on your views on the development of Green Buildings, as well as on your suggestions to improve this platform of communication, GreenHabitat.

Best Personal Regards,

ParasuRaman R

Benefits of Green Buildings

A Green Building can have tremendous benefits, both tangible and intangible.

The immediate and most tangible benefit is in the reduction in operating energy and water costs right from day one during the entire life cycle of the building. **The savings could range from 25 – 40 % depending on the extent of green specifications.** Other tangible savings would be reduction in first costs and enhanced asset value.

Intangible benefits of Green Buildings include increasing productivity of occupants', health, safety benefits and a green corporate image. Several Corporates are now seeing Green Building Rating as a tool to enhance marketability.

Green Building Council

To facilitate Green Building construction in India and steer and guide building activities, CII – Godrej GBC, has taken a “**Green**” step forward, and has formed a separate National level council called the “**Indian Green Building Council.**”

This council comprises of all the stakeholders involved in the Green Building value chain including, Governments, Institutions, nodal agencies, architects, builders, material suppliers and equipment manufacturers.

The council has been created with an aim to foster and develop Green Buildings in India.

The vision of Indian Green Building Council is to emerge CII-Godrej GBC as the **Centre of Excellence for Green Buildings in India** and function as the key motivator for construction of these buildings.

CII–Godrej GBC, through its council, would be the single point solution provider for Green Buildings in India.

CII-Godrej GBC has signed an MoU with **US Green Building Council (USGBC)** on exchange of information on Green Buildings with the support of United States Agency for International Development (USAID)



Dr Kath Williams exchanging MoU with Mr Jamshyd N Godrej with the presence of Hon'ble Chief Minister of Andhra Pradesh Shri N Chandra Babu Naidu and Hon'ble Minister for Major Industries, Govt of Andhra Pradesh Shri K Vidyadher Rao

Specific Action plan of the Council

The Indian Green Building Council has been very active and has developed the following action plan:

- Create Awareness on Green Buildings
- Indigenize the LEED rating system by end 2004
- Develop 25 LEED Accredited professionals in India by end 2004
- Facilitate construction of Green Buildings in India

Activities of the Council:

The Indian Green Building Council has successfully completed a range of activities, in the recent past. Some are highlighted below:

1. Green Building workshops in India

To expose the Indian building community to Green Building concepts, Indian Green Building Council has organized one-day workshop on “Green Buildings” at Hyderabad, Mumbai and Delhi during 18-22 September 2002. Dr. Kath Williams, Vice-Chairperson of USGBC and Ms. Donna McIntire, Architect from USA presented papers at the above workshops.



Mr Parasuraman R, Chairman, Indian Green Building Council addressing the gathering

These programmes were well attended by more than 500 building professionals across the country.

2. Workshops on Fenestration and Building Design

Indian Green Building Council jointly with National Fenestration Rating Council (NFRC) of USA organized exclusive workshop on building fenestration at Delhi and



Mr John Hogan, Dept. of Design, Construction & Land Use, USA at Bangalore programme on Fenestration

Bangalore during November 2002. More than 200 building professionals took part in these workshops and benefited.

3. LEED rating workshops in India

To expose the Indian building community to the LEED rating system and to augment Green Building Capacities within the country, Indian Green Building Council organised LEED rating system training in Chennai on August 12, 2003.



Dr Kath Williams at LEED workshop at Larsen & Toubro Ltd., ECC Division in Chennai

The training was administered by Dr.Kath Williams, Vice-Chair, USGBC. Twenty building industry professionals have been trained on LEED rating system. It is the first of many such training programs, which will serve as a foundation stone for many Green Buildings in India.

4. LEED India

CII has a working MoU with USGBC for **networking, information exchange and to develop green building rating for India.**

CII is now working with USGBC to develop 'LEED India'. This would help buildings in India to be evaluated considering regional factors. LEED India is expected to be ready by end 2004.

5. LEED Accredited professionals

If the concept of Green Buildings is to take off in India, it is important that India has professionals in the field, who can facilitate the adoption of LEED rating.

Towards meeting this objective, 4 professionals were trained at Florida during August 2003, the faculty being **Dr. Kath Williams, Vice-Chair, USGBC.**

The team appeared for the **LEED Accredited Professional Examination** and passed in flying colors. The team has

now begun to facilitate the corporate sector in constructing Green Buildings in India. The team members who qualified as LEED Accredited professionals are: Air Comdr S C Kumar, Mr M Selvarasu, Mr S Raghupathy, Mr S Srinivas of CII-Godrej GBC, Hyderabad and Mr Sangram Parmar of Karan Grover & Associates, Baroda.

6. Mission on Green Buildings to USA

A CII delegation comprising of delegates from industry, financial institution and staff of CII – Godrej GBC visited US for a Green Building Mission during 8th November – 17th November 2003 under the leadership of **Mr Jamshyd N Godrej, Past President, CII and Chairman, CII – Godrej GBC.** The study tour was organised as part of the CII-USAID-GDA project.



Mission Delegates with Dr Kath Williams

The main objective of the mission was to experience some of the Green Buildings in USA and attend Greenbuild 2003, a conference-cum-exhibition organised by USGBC. **Mr.Jamshyd N Godrej, Mr.ParasuRaman and Mr.Karan Grover** shared India's experiences in constructing Green Buildings.



From left: **Dr Kath Williams, Mr Karan Grover, Mr. Jamshyd N Godrej & Mr. ParasuRaman R** at a session on India during Green Build 2003, Pittsburgh

An appeal

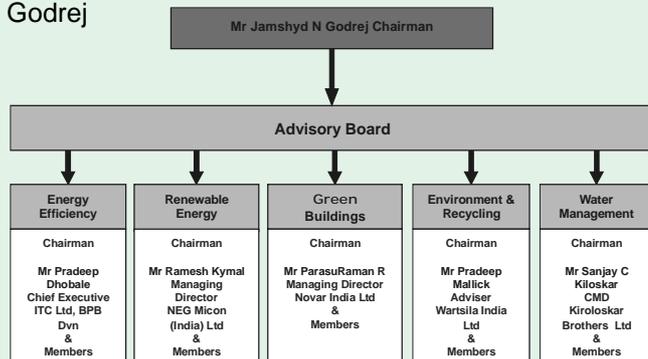
Indian Green Building Council, which is located at CII-Godrej GBC, has set a goal of facilitating construction of LEED certified Green Buildings. All stakeholders comprising of architects, builders, interior designers, consultants, Green Building material and equipment manufacturers will have a major role to play in the immediate future in creating a green building movement. We would like to call upon you to take part in this Green Building movement. For any support in this regard please contact Indian Green Building Council located at CII-Sohrabji Godrej Green Business Centre, Hyderabad.

About CII - Sohrabji Godrej Green Business Centre

The CII – Sohrabji Godrej Green Business Centre is a joint initiative of Government of Andhra Pradesh, Godrej & Boyce Mfg Co and Confederation of Indian Industry (CII) with the technical support of USAID – a unique model of public-private partnership. The centre is located at Hyderabad, near **Hi-tech City**. **The centre will strive to become the “Centre of Excellence” for Energy, Environment, Water, Green Buildings, Renewable Energy and Climate change activities in India.** The various services being offered from GBC are: Green Building rating, World class energy efficiency, green audits, green business incubation, seminars and conferences on a host of green related topics, exhibit of green equipment and materials at the Technology centre, access to knowledge on green at the Information centre.

Structure of CII-Godrej GBC

CII-Godrej GBC has formed 5 National level councils to address Green Buildings, Energy Efficiency, Water Management, Environment & Recycling and Renewable Energy. These councils will work under the Advisory Board of CII-Godrej GBC, Chaired by Mr Jamshyd N Godrej



If you are constructing a building, Go Green!!

CII-Godrej GBC now offers Green Building Advisory Services in India to achieve the green building rating awarded by USGBC, under their LEED Rating Programme. The services offered include feasibility study to evaluate the realistic ratings achievable, benefits, investments and detailed facilitation services till the rating is achieved.

For assistance kindly contact Indian Green Building Council at CII-Godrej GBC.

About GBC-USAID-GDA Project

The Global Development Alliance (GDA) is USAID's new business model designed to increase its effectiveness, by bringing new resources, ideas, technologies, partners and facilitating public-private alliances among development partners.

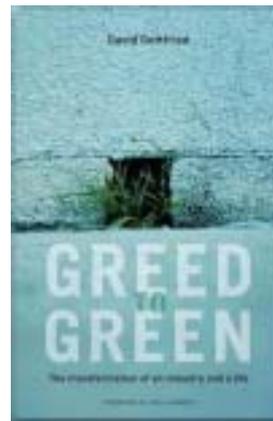
Inline with the goal and objective of the GDA, CII has taken up the implementation of

GBC-USAID-GDA project in India titled “**Establishing Green Business Centre in Andhra Pradesh, India**”.

The overall objective of the **GBC-USAID- GDA** project is two-fold viz., **to set up the GBC in Andhra Pradesh and to establish the activities of the center.**



WorldGBC Founder Gottfried publishes his story



WorldGBC Founder **David Gottfried** has published an excellent book chronicling his adventures in the green building and development world.

Greed to Green: The Transformation of an industry and a life, David tells the story of his life, from his early days as a successful real estate developer in Washington DC

during the '80s. David's twenty-year journey was one involving great personal struggle as he went on to become one of the world's leading pioneers of sustainable design.

The creation of the US Green Building Council (USGBC) and the early days of the WorldGBC are well chronicled. The story is told in David's light, personal and engaging writing style, as if he was recounting his green building adventures over dinner or during a taxi ride to the airport.

You can learn more about the book and order it at <http://www.greeditogreen.com> Go David!

Confederation of Indian Industry CII-Sohrabji Godrej Green Business Centre

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