

INNOVATIONS IN GREEN BUILDINGS

The GRIHA Approach

Bangalore, 25 NOVEMBER 2011



Centre for Research on Sustainable Building Science

The Energy and Resources Institute-Southern Regional Centre
4th Main, 2nd Cross, Domlur II Stage, Bangalore 560 071,
Karnataka, India,
Tel: +91 80 25356590 (5 Lines), Fax: +91 80 25356589

ADaRSH

Association for Development and Research of Sustainable Habitats
Darbari Seth Block • IHC • Lodhi Road
New Delhi • 110003, India
Phone +91.11.2468.2100 • Fax +91.11.2468.2144

Event Profile

The regional conference on green building design - **"Innovations in Green Buildings - The GRIHA Approach"** is being organized by ADaRSH & TERI, on **25 November 2011**. The conference will witness lively discussions on various aspects of the subject among building industry professionals across disciplines at regional level.

Event Focus

Green Buildings – Innovation in Design with Integrated Approach focusing on integrated design process, benefits of designing energy efficient buildings, financial impacts of incorporating energy efficiency features, business case for adoption of energy and resource efficiency in building and construction projects.

Panel discussion on policies and initiatives by local governments to achieve sustainable and resource efficient built environment focusing on various government initiatives to achieve energy efficiency in the building sector and highlight India's journey on the path towards sustainable development through various case studies.

Innovative Technologies & Building Materials strategies being adopted in the construction industry which promote the use of low-energy materials and low cost construction techniques and innovative technologies and systems that are available in the market and are adopted in green buildings.

Objectives

- **Showcase advantages** of an integrated design process and its impacts on building construction and operation
- **Generate** awareness for benefits of designing energy efficient buildings
- **Illustrate financial impacts** and business strategies by adopting energy efficient building design.
- **Generate** awareness on impact of government initiatives on achieving resource and energy efficiency across various sectors such as appliances, commercial buildings, and industry
- **Showcase** advantages of using low-energy materials and low-cost construction strategies for construction of green buildings.
- **Invite professionals** across sectors to interact in a common platform
- **Showcase products**, projects and manufacturers dealing with GRIHA compliant products



Who should attend ?

- Architects
- Product manufacturer and suppliers
- Multinational Companies
- GRIHA Accredited Evaluators and Trainers
- GRIHA Project Teams
- State Nodal Agencies
- Renewable Energy Agencies
- Public Works Department
- Financial Institutions
- Associate Members
- Academia
- Indian Institute of Architects
- Consultants
- International Agencies





Agenda

09:30 – 10:00 : Registration

10:00 – 10:45 : Inaugural Session

Welcome Address

Mr P R Dasgupta, Distinguished Fellow & Director, TERI

Introductory Remarks

Shri S.V. Ranganath, Chief Secretary, Govt. of Karnataka

Address

Dr R K Pachauri, Director General, TERI

Inaugural Address

Shri Suresh Kumar, Hon'ble Minister for Urban Development and BWSSB Govt of Karnataka

Keynote Address

Shri Sadanand Gowda, Hon'ble Chief Minister of Karnataka

Vote of Thanks

Ms Minni Sastry, Fellow, TERI

10:45 – 11:00: Inaugural of the exhibition

Exhibition on green building materials, green companies and green consultants)

11:00 – 11:15: Tea/Coffee

11:15 – 11:45: GRIHA / ADaRSH updates

Ms Priyanka Kochhar, Programme Manager- Strategic Partnerships & Implementation, ADaRSH

11:45 – 13:00: Green Buildings – Innovation in Design with Integrated Approach

This session shall highlight advantages of an integrated design process and its impacts on building construction and operation. Benefits of designing energy efficient buildings shall be showcased through building case studies. Innovation in design, construction and materials adopted by some pioneer energy efficient buildings will be presented. This session shall also highlight innovative financial schemes and economic benefits of incorporating energy efficiency features, which provide impetus and business case for adoption of energy and resource efficiency in building and construction projects.

Chair:

Dr Michelle D Addington, Professor, Yale School of Architecture,

Speakers:

1. **Dr C. Hariharan**, CEO, Biodiversity Conservation (India) Ltd,
2. **Mr Guruprakash Sastry**, Sr. Manager - Green Initiatives, Infosys
3. **Mr V. Vishwanath**, Principal Architect, Vishwannath Associates
4. **Dr Sujit Kumar**, Director, KlimArt

13:00 – 14:00: Lunch

14:00 – 15:30: Panel discussion on policies and initiatives by local governments to achieve sustainable and resource efficient built environment

This session shall showcase international and national experience of various local governments and their initiatives to achieve energy efficiency in the building sector. The session shall highlight their journey on the path towards sustainable development through various case studies.

Chair :

Dr Arun K Tripathi, Director, Ministry of New and Renewable Energy, Government of India

Speaker :

1. **Mr. Asheesh Sharma**, Commissioner, Pimpri Chinchwad Municipal Corporation
2. **Ms Shamim Banu**, Additional Chief Secretary, Department of Energy, Government of Karnataka
3. **Mr Whatt Bin Choo**, Building Construction Authority, Singapore
4. **Ms Mili Majumdar**, Director, TERI

15:30 – 15:45: Tea/Coffee

15:45 – 16:45: Green Buildings: Innovative Technologies & Building Materials

This session will focus on strategies being adopted in the construction industry which promote the use of low-energy materials and low cost construction techniques in green buildings. The session will also have presentations and discussions around innovative technologies and systems that are available in the market and are adopted in green buildings.

Chair:

Mr Krishna Rao Jaisim, Principal Architect, Jaisim Fountainhead

Speaker :

1. **Dr B V.V. Reddy**, Professor, Centre for Sustainable Technologies, IISc, Bangalore,
2. **Mr Senthil Kumar**, Asahi India Glass Ltd.
3. **Presentations on Innovations in Technologies**
4. **Mr Pradeep Kumar**, Senior Fellow & Associate Director, TERI

16:45 – 17:00: Vote of Thanks and Closing Session

Technical Session 2

Technical Session 3

Technical Session 1