

6th GRIHA Regional Conference & Exhibition

Accelerating Sustainability in Built Environment

The GRIHA Approach

3rd & 4th February 2015

Venue

TERI - Southern Regional Centre
4th Main, 2nd Cross, Domlur II Stage
Bangalore 560 071

Themes

- ◇ Accelerating Sustainability in Built Environment
- ◇ Sustainability in Liveable Cities
- ◇ Built Environment in Response to Climate Vulnerabilities
- ◇ Energy Efficiency in New and Existing Buildings
- ◇ Air Quality in Healthy Built Environment
- ◇ Structural Systems and Construction Technologies for Green Buildings
- ◇ Role of various stakeholders in mainstreaming sustainable buildings in India

Scientists

Research professionals

Academicians

Practitioners

Developers

Speakers

K Jairaj

Satya Murty

P Ravikumar

R K Pachauri

Ashwin Mahesh

Pankaj Kumar Pandey

Shankar Rajasekaran

Anjum Parwez

M Sivashanmugam

Mili Majumdar

Chandrashekar Hariharan

Ashok B Lall

Natasha Iype

Angshik Chaudhuri

Friedemann Roy

Guruprakash Sastry

B R Nagaraj

Debashish Chakraborty

Uta Pottgiesser

Maija Virta

Mohan Rao

Shankar Rajasekaran

S C Mehrotra

Gautam Gowdaiah

Vijaya R Vasu

Gautam Eunny

Krishna Rao Jaisim

S Vishwanath

Brotin Banerjee

Saima Badyari

90,000 GWh Saving

better IAQ



ADaRSH - Association for Development and Research of Sustainable Habitats
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Ministry of New and Renewable Energy
Government of India



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**6th GRIHA Regional Conference on 'Accelerating Sustainability in Built Environment'
The Energy and Resources Institute-Southern Regional Centre
Agenda**

Day-1 (3rd February, 2015)

08:30 – 09:30 Registration

09:30 – 10:30 Inaugural Session

Welcome Address **Ms Mili Majumdar**, Director & Senior Fellow, Sustainable Habitat Division, TERI
Setting the theme **Mr K Jairaj (IAS ret'd)**, Former Additional Chief Secretary, Government of Karnataka
Special Address **Mr P Ravikumar, IAS**, Addl Chief Secretary, Energy Department, Government of Karnataka
Special Address **Mr D Satya Murty, IAS**, Addl Chief Secretary, Urban Development, Government of Karnataka
Inaugural Address **Dr R K Pachauri**, Director General, TERI (through VC)
Vote of Thanks **Ms Minni Sastry**, Fellow & Area Convener, Sustainable Habitat Division, TERI

10:30 – 11:00 Inaugural of Exhibition followed by tea/coffee

11:00 – 12:30 Panel Session: Accelerating Sustainability in Built Environment

The session shall focus on issues related to accelerating sustainability in the built environment. There shall be a theme presentation on current scenario and barriers in the sector along with successful implementation mechanisms. This shall be followed by a panel discussion.

Chairperson & Speaker **Dr Ashwin Mahesh**, Founder & CEO Mapunity, Editor – India Together
Speakers **Mr Pankaj Kumar Pandey**, Managing Director, Bangalore Electricity Supply Company Ltd.
Mr Anjum Parwez, Chairman, Bangalore Water Supply and Sewerage Board
***Mr M Sivashanmugamm**, Chief Planner, Chennai Metropolitan Development Authority
Dr Chandrashekar Hariharan, CEO, Biodiversity Conservation India (Pvt) Ltd

12:30 – 13:30 Technical Session 1: GRIHA and its Role in Accelerating Sustainability in Built Environment in India

Ms Mili Majumdar, Director & Senior Fellow, Sustainable Habitat Division, TERI and
Ms Minni Sastry, Fellow & Area Convener, Sustainable Habitat Division, TERI

13:30 – 14:30 Lunch

14:30 – 16:00 Technical Session 2: Sustainability in liveable cities

Cities worldwide face immense challenges with increasing population, demand for resources, pressure on transport systems and infrastructure. The session shall deliberate on these issues and demonstrate solutions that are replicable and scalable.

Chairperson & Speaker **Prof Ashok B Lall**, Principal Architect, Ashok B Lall Associates, New Delhi
Speakers **Ar Natasha Iype**, Director, Good Earth
Mr Angshik Chaudhuri, Executive Director (Operations), Cisco Development India Pvt Ltd

16:00 – 16:30 Tea/Coffee

16:30 – 17:30 Technical Session 3: Built Environment in Response to Climate Vulnerabilities

Changing climate is impacting mankind in several ways. The built environment also faces major challenge and needs to respond to climate vulnerabilities. A paradigm shift in design and planning approach is needed to address the climate impacts on built environment. The technical session will address the applicable mitigation and adaptation measures for built environment in response to climate vulnerabilities. Presenters and scientists will speak about tools available to inform future developments, policy changes/ initiatives required, and private sector involvement in delivering climate resilient built environment and infrastructure.

Chairperson **Prof Krishna Rao Jaisim**, JAISIM-FOUNTAINHEAD
TERI **Ms Minni Sastry**, Fellow, Sustainable Habitat Division & **Ms Ulka Kelkar**, Fellow, Earth Science and Climate Change
Dr Divya Sharma, Fellow, Sustainable Habitat Division
IFC **Mr Friedemann Roy**, Global Product Lead Housing Finance Access to Finance Advisory at IFC - International Finance Corporation, Washington D.C.



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Day-2 (4th February, 2015)

09:30 – 11:15

Technical Session 4: Efficiency in new and existing buildings

There is a saving potential of 8700 million kWh of energy in India for existing building stock and 90,000 million kWh for upcoming commercial buildings by 2021. Experts in the subject shall present and debate on current gaps and barriers, retrofitting solutions for existing buildings, new and innovative measures for new buildings, financial mechanism, framework of standards and implementation strategies based on the successful experiences in India and outside India.

Chairperson & Speaker **Prof Dr Uta Pottgiesser**, Dekanin – Dean, Detmold School of Architecture and Interior Design, Germany

Speakers **Mr Guruprakash Sastry**, Regional Manager – Infrastructure / Green Initiatives, Infosys

Mr Debashish Chakraborty, General Manager - Energy Efficiency & Strategic Alliances, Schneider Electric

Ms Saima Badyari, Technical Head – CPT, Asahi India Glass Ltd.

Mr B R Nagaraj, Head - Real Estate & Workplace Services, Google India Pvt. Limited

11:15 – 11:45

Tea/Coffee

11:45 – 13:00

Technical Session 5: Air quality in healthy built environment

1.3 million Indians die every year of poor Indoor air quality which is the second biggest killer after high blood pressure. Landscape design to improve outdoor air qualities and products/ technologies improve Indoor Air Quality will be presented. Impact of energy saving measures such as increasing set point and reducing ventilation rates on IAQ will be debated.

Chairperson & Speaker **Ms Maija Virta**, Managing Director, Santruption Engineers Private Limited

Speakers **Mr Mohan Rao**, INDE Integrated Design

Mr Shankar Rajasekaran, Director – Engineering, IMPEC FILTERS Private Limited

13:00 – 14:00

Lunch

14:00 – 14:45

Keynote Address

Mr S Vishwanath, Rain Water Club

14:45 – 16:00

Technical Session 6: Structural Systems and Construction Technologies for Green Buildings

The session will showcase structural design solutions and innovative construction techniques that can be adopted for Green buildings. Discussions and presentations on embodied energy of construction technologies such as Prefab construction will be held. Innovative systems such as replacement of Steel with Bamboo, as reinforcement material, will be presented.

Chairperson & Speaker **Mr S C Mehrotra**, CEO – Mehro Consultants; President, Indian Association of Structural Engineers

Mr M G Gowdaiah, Engineer Officer, Bangalore Development Authority

Mr Gautam Eunny, Sr VP & Head - Construction Development Lab, Lafarge Aggregates & Concrete India Pvt. Ltd.

Mr D E V S Kiran Kumar, Associate Fellow, Sustainable Habitat Division, TERI

16:00 – 17:00

Valedictory session on 'Role of private sector in mainstreaming sustainable buildings in India'

Moderator **Mr Friedemann Roy**, Global Product Lead Housing Finance Access to Finance Advisory at IFC - International Finance Corporation, Washington D.C.

Panelist **Brofin Banerjee**, MD & CEO, TATA Housing Development Company Ltd

Ms Vijaya R Vasu, Deputy General Manager (Projects), Housing and Urban Development Corporation Limited

17:00 – 18:00

Tea/Coffee



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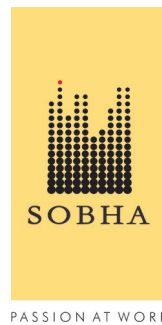


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