



# **GRIHA NATIONAL CONFERENCE-4<sup>th</sup> January 2010**

## **GRIHA Evaluator & Trainer Workshop-5<sup>th</sup> -7<sup>th</sup> January**

### **2010**

4<sup>TH</sup>-7<sup>th</sup> JANUARY 2010  
INDIA HABITAT CENTRE, NEW DELHI



FIRST INTIMATION FLYER

# Conference Background

- The sustainability of our building industry is crucial to the economic, social and human development of our country. The annual growth rate of our construction industry is far higher than the global average. Further, it contributes significantly to our GDP (5 - 10%). Direct employment generated is second only to agriculture; with indirect employment generation in ancillary industries, as high as 5 -10%
- More than 70% of the infrastructure needed for a developed India is yet to be built and that gives great opportunity to build green. The scale and pace of construction in India is unparalleled and requires every one of us to rise to the occasion and help in transitioning to a clean and green economy. At this scale, cost of green building materials, renewable energy systems and design services can all be brought down for everyone's benefit.
- Green Rating systems for buildings emerged in various countries to strike a balance between development and environment preservation. India has maintained this balance for centuries and can fallback on its architectural heritage and traditional wisdom to maintain this balance. Green Ratings can help sustain it by combining time-tested wisdom with scientifically rigorous validation procedures available today.
- GRIHA, Green Rating for Integrated Habitat Assessment emerged out of a protracted exercise involving researchers at TERI, policy makers at the highest level, practicing professionals and concerned citizens. Most development decisions are taken at the building project level and the first version of GRIHA is decision making tool for any developer to gauge and achieve sustainability in his project.
- Currently there are around 40 projects of various types registered with GRIHA across India. GRIHA helped make a bid difference in the triple-bottom-line of these projects. IIT Kanpur, Environmental Science and Engineering Block was able to reduce its energy consumption significantly in its bid to earn a 5 star rating. The common wealth games village won accolades from the Ministry of Labour in its bid to comply with GRIHA.
- *Quality and Quantity* approach of GRIHA is slowly drawing green building professionals into its ambit. *A National Conference on GRIHA is being organized to give an opportunity for all concerned to get involved with GRIHA.* The one-day conference will be followed by a three-day training workshop for GRIHA Trainers and Evaluators serving as a launch pad to get into GRIHA Consulting and Evaluation opportunities.
- ADaRSH, a platform to facilitate a pan-India, ongoing interaction and networking between building professionals, developers and government officials will be formally launched. Membership opportunities shall be open from the day of conference. A parallel exhibition of select green building materials and technologies shall also be organized to help the conference delegates update with the latest developments in industry.
- To make green building a household word and common knowledge, computer games for school children on Green Buildings will be inaugurated during the conference.

# AGENDA for National Conference-4<sup>th</sup> January 2010

|               |   |
|---------------|---|
| 09:00-10:00   | Registration  |
| 10:00-10:30   | <b><u>Inaugural Session</u></b><br>Address on Green Buildings & GRIHA by Director General, TERI (5 min)<br>Address by Guest of Honour, Honourable Minister, MoUD* (5 min)<br>Address by Guest of Honour, Honourable Minister, Ministry of Power* (5 min)<br>Address by Chief Guest: Honourable Minister, MNRE* (5 min)<br>Keynote Address by noted Captain of Indian Industry* (10 min)   |
| 10:30-10:40   | Administration of Green Building Pledge   |
| 10:40-10:45   | Launch of ADaRSH  |
| 10:45-10:50   | Launch of GRIHA Trainer's and Evaluator's Manual  |
| 10:50-11:00   | Launch of Exhibition on Green Building Materials  |
| 11:00-11:30   | Tea/Coffee  |
| 11:30-12:30   | <b><u>Technical Session 1: GRIHA and ADaRSH</u></b><br>Speakers from MNRE, TERI, GRIHA  |
| 12:30-13:00   | Logo Design Awards for GRIHA and ADaRSH   |
| 13:00-14:00   | Lunch   |
| 14:00-15:30   | <b><u>Technical Session 2: Sustainable Building</u></b><br>Session Chairman: (to be identified from the list below)<br>Speakers: Ms. Chitra Vishwanath, Principal, Biome Environmental<br>Mr. Sanjay Prakash, Principal, Sanjay Prakash & Associates<br>Mr. Deependra Prashad, Secretary & MICC, INTBAU<br>Mr. Rohan Parikh, Head, Green Initiatives, INFOSYS<br>Mr. Tanmay Tathagat, Advisor, Environmental Design Solutions<br>Mr. Pradeep Kumar, Senior Fellow, TERI |
| 15:30-16:45   | <b><u>Technical Session 3: Sustainable Habitat</u></b><br>Session Chairman: (to be identified from the list below)<br>Speakers: Mr. K.T. Ravindran, Chairman, Delhi Urban Arts Commission<br>Mr. Ashok B. Lall, Principal, Ashok Lall Architects<br>Mr. Jaigopal G Rao, MD & Principal Designer, Inspiration<br>Mr. Jagan Shah, Chief Executive, Urban Space Consultants<br>Mr. Manit Rastogi, Managing Director, MorphoGenesis<br>Ms. Hina Zia, Associate Fellow, TERI |
| 16:45-17:00   | Closing Session   |
| 17:00 onwards | Tea/Coffee  |

\* Confirmation Awaited

# AGENDA for Evaluator & Trainer Workshop

## Feedback from the last Evaluators and Trainers Programme

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“Would like to offer my association / services for formulating of other rating systems for existing buildings.”

“Very well structured & moderated. Entire goal of awareness & identifying Evaluators / Trainers have been met.”

“The format of the programme was simple as well as informative. Faculties were well informed and helpful.”

## Agenda for GRIHA Training Programme for Evaluators & Trainers

Date: From 05.01.10 to 07.01.10

**TERI** (The Energy and Resources Institute)  
Seminar Hall, Ground Floor, Darbari Seth Block, IHC, Lodhi Road, New Delhi - 110003

### 1st Day (05<sup>th</sup> January 2010)

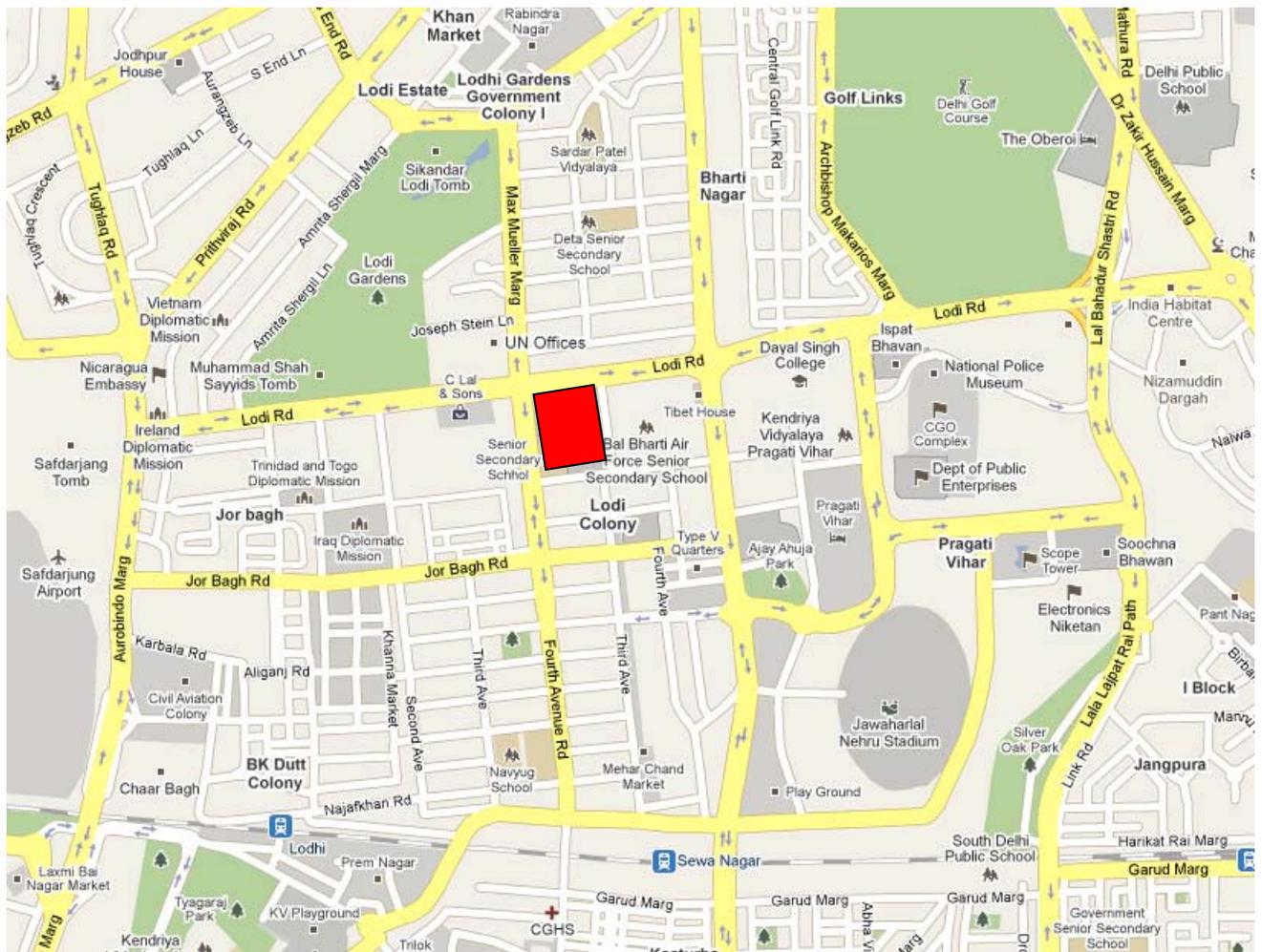
|               |  |                                    |
|---------------|--|------------------------------------|
| 09.30 - 10.00 | <b>Inaugural Session - Vision of GRIHA</b>               |                                    |
| 10.00 - 11.30 | <b>Session-1: Sustainable Site planning Presentation</b> | (Site) Criteria -1 to 5 and 7 to 9 |
| 11.30 - 11.45 | Tea Break  |                                    |
| 11.45 - 12.15 | Exercise on Sustainable site planning                    |                                    |
| 12.15 - 12.30 | Presentation of answer by participants                   |                                    |
| 12.30 - 01.00 | Final Answer Discussion                                  |                                    |
| 01.00 - 01.30 | Lunch Break  |                                    |
| 01.30 - 02.15 | <b>Session-2: Water Management Presentation</b>          |                                    |
| 02.15 - 02.45 | Exercise on Water Management                             | (Water) Criteria - 10 to 12        |
| 02.45 - 03.00 | Presentation of answer by participants                   |                                    |
| 03.00 - 03.15 | Final Answer Discussion                                  |                                    |
| 03.15 - 03.30 | Tea Break  |                                    |
| 03.30 - 04.15 | <b>Session-3: Wastewater Management Presentation</b>     |                                    |
| 04.15 - 04.45 | Exercise on waste water management                       | (Wastewater) Criteria- 20 to 21    |
| 04.45 - 05.00 | Presentation of answer by participants                   |                                    |
| 05.00 - 05.30 | Final Answer Discussion                                  |                                    |

Continued...

| 2nd Day (06 <sup>th</sup> January 2010) |  |                                  |
|---|--|----------------------------------|
| 09.30 - 10.30                           | <b>Session-4: Building Design Optimization Presentation</b>    | (Architecture) Criteria -13 part |
| 10.30 - 11.00                           | Exercise on Building design optimization                       |                                  |
| 11.00 - 11.15                           | Presentation of answer by participants                         |                                  |
| 11.15 - 11.30                           | Final Answer Discussion  |                                  |
| 11.30 - 11.45                           | Tea Break  |                                  |
| 11.45 - 12.30                           | <b>Session-5: Renewable energy utilization</b>                 | (Lighting) Criteria-13 part      |
| 12.30 - 01.00                           | Exercise on Renewable energy utilization                       |                                  |
| 01.00 - 01.30                           | Lunch Break  |                                  |
| 01.30 - 01.45                           | Presentation of answer by participant                          |                                  |
| 01.45 - 02.00                           | Final Answer Discussion  |                                  |
| 02.00 - 02.45                           | <b>Session-6: Artificial Lighting Presentation</b>             | (HVAC) Criteria - 14             |
| 02.45 - 03.15                           | Exercise on Artificial lighting                                |                                  |
| 03.15 - 03.30                           | Tea Break  |                                  |
| 03.30 - 04.30                           | <b>Session-7: Energy Performance Optimization Presentation</b> |                                  |
| 04.30 - 05.00                           | Exercise on Energy Performance Optimization                    | Criteria -15 to 17               |
| 05.00 - 05.15                           | Presentation of answer by participant                          |                                  |
| 05.15 - 05.30                           | Final Answer Discussion  |                                  |

| 3rd Day (07 <sup>th</sup> January 2010) |   |   |
|---|---|---|
| 09.30 - 10.30                           | <b>Session-8: Sustainable Building Material &amp; Construction Tech. Presentation</b> | (Renewable) Criteria - 6, 18 & 19             |
| 10.30 - 11.00                           | F A Q Session   |   |
| 11.00 - 11.15                           | Tea Break   |   |
| 11.15 - 12.15                           | <b>Session-9: Solid waste Management Presentation</b>                                 |   |
| 12.15 - 01.00                           | F A Q Session   |   |
| 01.00 - 01.30                           | Lunch Break   | (SWM) Criteria - 22 to 25                     |
| 01.30 - 02.00                           | <b>Session-10: Health, Wellbeing and Environmental Quality Presentation</b>           | Criteria - 26 to 34                           |
| 02.00 - 02.30                           | F A Q Session   |   |
| 02.30 - 03.15                           | <b>Session-11: Website Demonstration</b>  | GRIHA online interface                        |
| 03.15 - 03.30                           | Tea Break   |   |
| 03.30 - 04.00                           | Open Discussion   | Clarification of All Doubts                   |
| 04.00 - 05.00                           | <b>Session-12: Question &amp; Answer Round</b>  | GRIHA training qualifying Test (Written Exam) |
| 05.00 - 05.30                           | <b>Closing Session</b>  |   |

Successful participants shall be certified as GRIHA Trainers/Evaluators. For Further details please contact Mr. Siva Kishan, CEO, GRIHA. Contact details are given on the last page.



**Map of Lodhi Institutional Area and surrounding areas, New Delhi**

Conference Sponsorship and Exhibition opportunities are now open

FOR FURTHER INFORMATION CONTACT:

Mr. Siva Kishan

CEO, GRIHA Secretariat,

The Energy and Resources Institute,

Darbari Seth Block, India Habitat Centre,

Lodhi Road, New Delhi -110003.

011 24682100, 41504900 extn 2277

[griha@teri.res.in](mailto:griha@teri.res.in)

Mobile: +91-9711773365