



# Training Programme on Mastering GRIHA Documentation through Live Projects

Venue : IHC, New Delhi

<b>1<sup>st</sup> Week – Friday, 4<sup>th</sup> September</b>	
09:00-09:30	Registration
Session 1 – Inaugural Session	
09:30-10:30	Inaugural Session / Overview of GRIHA
10:30-10:45	Tea Break
Session 2 – Sustainable Site Planning - The session describes sustainable site planning related criteria of GRIHA with relevant examples. The intent of the session is to familiarize participants with the practices and initiatives which can help neutralize the negative impact of construction on the site.	
10:45-11:30	Presentation on the projects proposed for documentation
11:30-01:30	Presentation on Sustainable Site Planning criteria of GRIHA
01:30-02:00	Lunch*
Session 3 – Documentation of project based on Sustainable Site Planning related criteria	
02:00-03:00	Review of Documentation templates / formats for site criteria
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
Full week involvement of participants in documentation of the project followed by mid-week review by expert team.	

<b>2<sup>nd</sup> Week – Saturday, 12<sup>th</sup> September</b>	
09:00-09:30	Review of Documentation
Session 4 - Building Design Optimisation – Day lighting & Artificial Lighting - This criterion deal with the visual and thermal comfort of the building occupants. The session on building design optimization shall focus on two broad parameters; namely the basics of solar passive building design and the quantitative analysis based on criterion.	
09:30-11:30	Presentation on Day lighting related criterion
11:30-11:45	Tea Break
11:45-12:30	Exercise on Day lighting Design
12:30-01:30	Presentation on Artificial lighting criterion
01:30-02:00	Lunch*
Session 5 – Documentation of project based on Building Design Optimisation related criteria	
02:00-03:00	Review of Documentation templates / formats for building design optimisation criterion
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
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<b>3<sup>rd</sup> Week – Saturday, 19<sup>th</sup> September</b>	
09:00-09:30	Review of Documentation
Session 6 - Energy Performance Optimisation and Renewable Energy - This session shall cover basics of thermal comfort analysis, HVAC design, and energy optimisation of building energy systems as per ECBC/GRIHA. The session shall also cover renewable energy applications.	
09:30-11:15	Presentation on Energy performance optimisation related criteria
11:15-11:30	Tea Break
11:30-12:30	Presentation on Renewable Energy Utilisation related criterion
12:30-01:30	Guest Lecture by Project Architect
01:30-02:00	Lunch*
Session 7 – Documentation of projects based on Energy Performance Optimisation and Renewable Energy related criterion	
02:00-03:00	Review of Documentation templates / formats for Energy performance optimisation and renewable energy related criteria
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
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<b>4<sup>th</sup> Week- Saturday, 26<sup>th</sup> September</b>	
09:00-09:30	Review of Documentation
Session 8 - Sustainable Materials & Construction Tech. and Health, Wellbeing & Environmental Quality – We shall make detailed presentations on low-energy building materials, new technologies saving on materials and “reduce, reuse and recycling” of materials to decrease embodied energy of buildings. This session shall also deal with health and wellbeing of construction labor and occupants post occupancy.	
09:30-10:30	Presentation on Sustainable Building Material and construction Techniques related criteria
10:30-11:30	Presentation on Health and Well Being related criteria
11:30-11:45	Tea Break
11:45-12:30	Presentation on Environmental quality related criterion
12:30-01:30	Guest Lecture by Project Architect
01:30-02:00	Lunch*
Session 9 – Documentation of project based on Sustainable Building Material & Construction Tech. and Health, Wellbeing and Environmental Quality related criterion	
02:00-03:00	Review of Documentation templates / formats for Sustainable Building Material & Construction Tech. and Health, Wellbeing and Environmental Quality related criteria
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
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<b>5<sup>th</sup> Week – Saturday, 3<sup>rd</sup> October</b>	
09:00-09:30	Review of the Documentation
Session 10 - Water, Waste water and Solid Waste Management - A detailed presentation on issues related to water, waste water and solid waste and their solutions through GRIHA. The presentation shall focus on management of water, waste water and solid waste in building sector with examples from current green building projects.	
09:30-10:30	Presentation on water management related criteria
10:30-11:30	Presentation on waste water management related criteria
11:30-11:45	Tea Break
11:45-01:30	Presentation on solid waste management criteria
01:30-02:00	Lunch*
Session 11 – Documentation of project based on Water, Waste water and Solid Waste Management	
02:00-03:00	Review of Documentation templates / formats for Water, Waste water and Solid Waste Management
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
Full week involvement of participants in documentation of the project followed by mid-week review by expert team.	

<b>6<sup>th</sup> Week – Saturday, 10<sup>th</sup> October</b>	
09:00-09:30	Review of the Documentation
Session 12 - Post Performance Analysis - The session includes comparative analysis of design stage predictions and post-occupancy energy consumption. This will include presentations by experts on sustainable habitats.	
09:30-11:30	Presentation on post performance analysis
11:30-11:45	Tea Break
11:45-01:30	Presentation on net zero building by expert of sustainability
01:30-02:00	Lunch*
Session 13 – Documentation of project based on post-performance analysis	
02:00-03:00	Review of Documentation templates / formats for post performance
03:00-04:15	Compilation of Documents (Project wise) Part - 1
04:15-04:30	Tea Break
04:30-05:30	Compilation of Documents (Project wise) Part - 2
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<b>7<sup>th</sup> Week – Saturday,17<sup>th</sup> October</b>	
<b>Session 14 – Documentation presentation by participants</b>	
09:00-11:30	Presentation by the participants on documentation (Part-1)
11:30-11:45	Tea Break
11:45-01:30	Presentation by the participants on documentation (Part-2)
01:30-02:00	Lunch*
<b>Session 15– Finalisation of Documentation</b>	
02:00-04:15	Review /Comments and Finalisation of documentation
04:15-04:30	Tea Break
04:30-05:15	Concluding Remarks
05:15-05:30	Distribution of participation Certificates

\* Lunch is included in fees

## Tentative Agenda for Additional Module

<b>Simulation Softwares Training</b>	
<b>1. Lighting Simulation</b>	
Monday, 7 <sup>th</sup> September	Ecotect
Tuesday,8 <sup>th</sup> September	Relux
<b>2. Energy Simulation</b>	
Monday, 21 <sup>st</sup> September	Design builder
Tuesday,22 <sup>nd</sup> September	Energy Plus

\* Extra Charges for Additional Module