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GREEN BUILDING SPECIALIST
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GRIHA CERTIFIED PROFESSIONAL
GRIHA CP OVERVIEW
ONLINE TRAINING BY KRISHNAJI PAWAR
LEED AP(BD+C),GSAS CGP,GCP,ISO 14001
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MODULE 4

Organizational Fundamentals

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GRIHA CERTIFIED PROFESSIONAL OVERVIEW

GRIHA, or Green Rating for Integrated Habitat Assessment, is a tool that assesses a building's environmental performance over its life cycle. It aims to minimize resource consumption, waste generation, and ecological impact within nationally acceptable limits.

Learning Objectives

- Introduction
- How green buildings fight climate change
- Sustainable Development and Green Buildings
- Organizational Fundamentals
- Green Rating for Integrated Habitat Assessment - GRIHA
- Advantages of GRIHA Certification
- Getting a GRIHA Certified Professional Credential
- Summary and Resources
- GRIHA CP Quiz_Test Your Knowledge!

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INTRODUCTION

- Sustainability is defined as maintaining conditions for productive harmony between humans and nature.
- GRIHA Green strategies and technologies should consider sustainable design and green building concepts.
- Green building is a process that applies to buildings, their sites, interiors, operations, and communities.
- Green building strategies aim to reduce environmental impact and improve the conditions for the planet and interior environments for building occupants.
- It's a holistic approach to finding responsible solutions within the build environment.

GREEN RATING FOR INTEGRATED HABITAT ASSESSMENT (GRIHA)

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- GRIHA, derived from Sanskrit meaning 'Abode', is a tool for assessing the environmental impact of human habitats.
- It aims to minimize a building's resource consumption, waste generation, and ecological impact within nationally acceptable limits.
- GRIHA quantifies aspects like energy consumption, waste generation, and renewable energy adoption to manage, control, and reduce these factors.
- It provides a definitive standard for 'green building', balancing established practices and emerging concepts.



GRIHA COUNCIL'S VISION AND EVOLUTION

- GRIHA Council aims for credibility, integrity, and inclusiveness while upholding Indian ethos for sustainable habitat.
- Rapid population growth and GDP growth have led to increased demand for buildings and resource constraints.
- Policy makers are addressing environmental pressures and climate change through national plans and programs.
- Frameworks include Environmental Clearance, Energy Conservation Building Code, and Solar Buildings Programme.





GRIHA COUNCIL'S VISION AND EVOLUTION +



- Challenges include lack of disincentives, agencies working in factions, and implementation challenges on site.
- TERI has played a crucial role in convergent initiatives for sustainable habitats in India.
- GRIHA (Green Rating for Integrated Habitat Assessment) was adopted as the national rating system for green buildings by the Government of India in 2007.
- The tool rates a building on its 'greenness' using qualitative and quantitative assessment criteria.

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GRIHA SYSTEM OVERVIEW

- Developed to design and evaluate new buildings from inception stages.
- Assesses a building's predicted performance over its life cycle.
- Stages identified for evaluation:

- Pre-construction stage: Considers factors like public transport proximity, soil type, land type, property location, flora and fauna, natural landscape, and land features.

- Building planning and construction stages: Focuses on resource conservation, utilization efficiency, recovery and reuse, and occupant health.

- Building operation and maintenance stage: Addresses system and process operation, energy consumption monitoring, and environmental impact.



GREEN DESIGN BENEFITS

- Reduces energy consumption without compromising comfort levels.
- Reduces destruction of natural areas, habitats, and biodiversity.
- Reduces air and water pollution, with health benefits.
- Reduces water consumption.
- Minimizes waste generation through recycling and reuse.
- Reduces pollution loads.
- Increases user productivity.
- Enhances image and marketability.



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