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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 5

Green Rating for Integrated Habitat Assessment - GRIHA

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GRIHA CERTIFIED PROFESSIONAL OVERVIEW

This lecture discusses the Green Rating for Integrated Habitat Assessment - GRIHA program, covering all building types and phases, including new construction, interior fit-outs, operations, maintenance, and core/shell.

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

- Suitable for all building types and phases.
- Includes new construction, interior fit outs, operations, maintenance, and core/shell.
- Developed by TERI to measure building performance.
- Framework for identifying, implementing, and measuring green building and neighborhood design, construction, operations, and maintenance.
- Composed of key stakeholders: architects, builders, consultants, developers, owners, institutions, manufacturers, industry representatives.
- Enhances rating system content and process.

TERI'S GRIHA GREEN SYSTEM GOALS

- Addresses climate change and ESG goals.
- Enhances resilience and supports equitable communities.
- Focuses on the big picture, considering all critical elements.
- Aims to reduce global climate change contribution.
- Enhances individual human health.
- Protects and restores water resources.
- Protects and enhances biodiversity and ecosystem services.
- Internationally, voluntary building rating systems have been instrumental in raising awareness and popularizing green design.
- Enhances community quality of life.



GRIHA GREEN OVERVIEW AND PROCESS

- Sustainable Architecture and Design
- Site Selection and Planning
- Water Conservation
- Energy Efficiency
- Building Materials and Resources
- Indoor Environmental Quality
- Innovation and Development
- Enables design and construction of all building types.
- Different levels awarded based on total credits.
- Mandatory, non-negotiable requirements for all green new buildings.



GRIHA v.2019			
Section	**Criterion No.**	**Criterion Name**	**Maximum Points**
1. Sustainable Site Planning	1	Green Infrastructure	5
	2	Low Impact Design	5
	3	Design to Mitigate UHIE	2
2. Construction Management	4	Air and Soil Pollution Control	1
	5	Top Soil Preservation	1
	6	Construction Management Practices	2
3. Energy Efficiency	7	Energy Optimization	12
	8	Renewable Energy Utilization	5
	9	Low ODP and GWP Materials	1
4. Occupant Comfort	10	Visual Comfort	4
	11	Thermal and Acoustic Comfort	2
	12	Maintaining Good IAQ	6
5. Water Management	13	Water Demand Reduction	3
	14	Wastewater Treatment	3
	15	Rainwater Management	5
	16	Water Quality and Self-Sufficiency	5
6. Solid Waste Management	17	Waste Management-Post Occupancy	4
	18	Organic Waste Treatment On-Site	2

7. Sustainable Building Materials	19	Utilization of Alternative Materials in Building	5
	20	Reduction in GWP through Life Cycle Assessment	5
	21	Alternative Materials for External Site Development	2
8. Life Cycle Costing	22	Life Cycle Cost Analysis	5
9. Socio-Economic Strategies	23	Safety and Sanitation for Construction Workers	1
	24	Universal Accessibility	2
	25	Dedicated Facilities for Service Staff	2
	26	Positive Social Impact	3
10. Performance Metering and Monitoring	27	Commissioning for Final Rating	7
	28	Smart Metering and Monitoring	0
	29	Operation and Maintenance Protocol	0
Total Points			100
11. Innovation	30	Innovation	5
Grand Total Points			100 + 5

Rating Threshold

GRIHA V 2019 Rating Thresholds	GRIHA Rating
25-40	★
41-55	★★
56-70	★★★
71-85	★★★★
86 or more	★★★★★

- GRIHA AH Precertification
- GRIHA for Affordable housing
- GRIHA EB (Existing building)
- GRIHA for Existing Schools
- GRIHA LD (Large development)
- GRIHA For CITIES

PRINCIPLES

+ Scale for greatest impact.
+ Decarbonize the building industry swiftly to reflect the urgency of the climate crisis.
+ Inspire and recognize adaptive and resilient built environments.
+ Invest in human health and well-being.
+ Create environments in which diversity, equity and inclusivity thrive.
+ Support flourishing ecosystems through regenerative development practices.



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GRIHA CP EXAM QUESTION BANK

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THANK YOU

