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Training Report

for

HALF DAY AWARENESS WORKSHOP (WEBINAR)

ON

**Energy Conservation & Sustainable Building Code (ECSBC 2024)**

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# Acknowledgement

The Energy Conservation and Sustainable Building Code (ECSBC), Building Cell, {{SDA}} extends its heartfelt gratitude to {{SDA\_Personal\_To\_Mention}} for their invaluable support, visionary guidance, and continuous encouragement in organizing the Half-Day General Awareness Webinar on Energy Conservation and Sustainable Building Code (ECSBC).

Our sincere appreciation also goes to {{Master\_Trainer\_Name}}, BEE-Certified ECBC Master Trainer, whose expert-led sessions offered valuable insights and enriched the learning experience for all participants. Their shared expertise and deep understanding of Building Envelope, HVAC Design Awareness, Sustainable Site Planning, Waste Management, and Water Conservation and management greatly contributed to the knowledge-sharing objectives of the workshop, empowering stakeholders to advance energy-efficient and sustainable building practices.

Finally, we thank all participants and departmental representatives for their active engagement, feedback, and commitment to promoting sustainable and energy-efficient buildings in the state.

# EXECUTIVE SUMMARY

The {{SDA}}, Building Cell, under the mandate of the Bureau of Energy Efficiency (BEE), successfully organized a Half-Day Online Awareness Training Webinar on “Energy Conservation and Sustainable Building Code (ECSBC) 2024” on {{DATE}}. This program was conducted as part of the ongoing capacity-building initiatives to support the implementation of ECSBC across the state.

The primary objective of the training was to enhance awareness and understanding of the ECSBC 2024, which integrates energy efficiency and sustainability principles for both commercial (ECSBC-C) and residential (ECSBC-R) buildings. The session targeted officials, engineers, architects, builders, and other relevant professionals involved in the planning, design, and execution of buildings.

**Key highlights of the webinar included:**

* Overview of ECSBC 2024: Objectives, structure, and applicability
* Key updates and differences from earlier ECBC versions
* Implementation strategy for ECSBC-C and ECSBC-R in the state
* Roles and responsibilities of stakeholders
* Q&A and discussion session to clarify participant queries

Led by {{Master\_Trainer\_Name}}, the webinar provided participants with a comprehensive introduction to ECSBC 2024, its compliance mechanisms, and its significance in promoting energy-efficient, climate-responsive, and sustainable buildings.

# Introduction

In recent years, the significance of sustainable and energy-efficient buildings has grown considerably in India, driven by increasing concerns over climate change, rising energy demand, and environmental sustainability.

To address these challenges and accelerate the adoption of energy conservation practices in the building sector, the Bureau of Energy Efficiency (BEE), under the Ministry of Power, Government of India, developed the Energy Conservation Building Code (ECBC). In accordance with the amendments introduced in the Energy Conservation Act (2022), ECBC has now been expanded and upgraded to the Energy Conservation and Sustainable Building Code (ECSBC), incorporating broader sustainability parameters for both commercial and residential buildings.

The SDA is actively spearheading the implementation of ECSBC in the state through structured awareness programs, training workshops, and multi-stakeholder engagement. As part of these efforts, a Half-Day Online Awareness Training Webinar was organized by the ECSBC Cell, {{SDA}} on {{DATE}}. This webinar served as an introductory platform to build awareness and promote understanding of the newly launched ECSBC 2024 guidelines.

# Workshop Details

The Half-Day Online Awareness Training Webinar on “Energy Conservation and Sustainable Building Code (ECSBC) 2024” was conducted on {{DATE}} by the ECSBC Cell at {{SDA}}, under the mandate of the Bureau of Energy Efficiency (BEE), Government of India.

The webinar was organized for participants from government officials, engineers, architects, planners, and professionals from urban local bodies involved in building planning, design, construction, regulatory processes, and related professions. The objective was to introduce the revised ECSBC 2024 guidelines, highlight their significance, and encourage the adoption of sustainable and energy-efficient practices in the built environment.

The training was conducted from 10:30 AM to 1:30 PM, featuring expert-led technical presentations, awareness sessions, and interactive Q&A discussions. The session was delivered by {{Master\_Trainer\_Name}}, who brought deep domain expertise in building energy efficiency and code compliance.

The sessions were structured to cover key thematic areas of the ECSBC 2024, focusing on principles that promote energy efficiency, environmental sustainability, and code compliance in building design and construction.

**From ECSBC Cell, {{SDA}}, the following panellists were present virtually during the workshop:**

* {{panellists\_Name\_with desigination}}

**Key Webinar Highlights:**

* Overview of ECSBC 2024: Presented the structure, scope, and applicability for both commercial (ECSBC-C) and residential (ECSBC-R) buildings.
* Energy Efficiency in Building Design: Discussed integrating energy-efficient measures during the planning and design stages.
* Sustainability Parameters: Highlighted environmental considerations and sustainable building practices outlined in ECSBC 2024.
* Compliance and Implementation: Explained step-by-step process for code compliance, roles of stakeholders, and enforcement mechanisms.
* Interactive Q&A Session: Addressed participant queries to clarify code provisions and encourage practical adoption.

The webinar was conducted in a virtual format, enabling wider participation across regions and promoting active engagement through real-time presentations, polls, and discussions.

# Opening Session & Technical Session Overview

The webinar commenced with a warm welcome address by officials from the ECSBC Cell, {{SDA}}, setting the tone for the day's proceedings and emphasizing the importance of sustainable development in the built environment. The opening session concluded on an engaging note, marking the beginning of a technically enriching and awareness-focused training program.

The technical session was delivered by {{Master\_Trainer\_Name}} and focused on building awareness and foundational understanding of the ECSBC 2024 among participants.

The session covered the following key points:

* Introduction to ECSBC 2024 and its evolution from the earlier ECBC
* Importance of energy efficiency and sustainability in the building sector
* Scope and applicability for commercial (ECSBC-C) and residential (ECSBC-R) buildings
* Key features and compliance pathways under the updated code
* Roles of stakeholders, including architects, engineers, and government departments, in effective implementation

The session aimed to sensitize participants to the need for sustainable building practices and encourage adoption of ECSBC guidelines in upcoming construction projects.

# Key Outcomes of the Workshop:

The awareness training webinar successfully met its objective of sensitizing participants to the relevance and implementation of **ECSBC 2024**. Key outcomes included:

* **Improved Awareness:** Clear understanding of the purpose, scope, and applicability for both commercial and residential buildings.
* **Clarity on Compliance:** Demystified compliance requirements, procedures, and stakeholder roles in enforcement.
* **Encouragement for Adoption:** Encouraged incorporation of ECSBC provisions into upcoming projects and departmental planning.
* **State-Level Alignment:** Reinforced commitment to mainstreaming energy-efficient and sustainable practices, in line with national mandates.
* **Positive Engagement:** Active participation and interactive discussion reflected growing interest in performance-based building design strategies.

# Training Snapshots

{{Training\_Snapshots\_Images}}

# Conclusion

The Half-Day Online Awareness Training Webinar on ECSBC 2024, organized by the ECSBC Cell at SDA with support from the Bureau of Energy Efficiency (BEE), was an important step toward building a shared understanding of energy conservation and sustainable practices.

The session introduced participants to the objectives, structure, and implementation approach of ECSBC 2024. Participants left with a clearer vision of how energy-efficient and climate-responsive buildings can be realized through proper application of the code.

The encouraging response and active engagement reaffirm the growing momentum for adopting sustainable design principles. The ECSBC Cell at SDA remains committed to supporting capacity-building efforts for effective implementation of ECSBC.

# Annexure-I (Agenda of the Training)

{{ANNEXURE Agenda of the Training \_TABLE}}

# Annexure-II (Flyer of the Training)

{{ANNEXURE Flyer of the Training \_TABLE}}

# Annexure-III (Attendance Sheet)

{{ANNEXURE Attendance Sheet \_TABLE}}