Outreach & Dissemination Services Office
CSIR – Central Building Research Institute
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SAMARTH EXHIBITION
13th-17th October, 2025

CSIR–Central Building Research Institute Showcases Technological Innovations at SAMARTH Exhibition 2025

The CSIR–Central Building Research Institute (CBRI), Roorkee, participated in the prestigious SAMARTH Exhibition held at Shimla, Himachal Pradesh, from 13th to 17th October 2025, organized with the objective of showcasing technological advancements and innovations in various sectors contributing to sustainable national development. The participation of CSIR–CBRI in this event marked yet another milestone in its continued journey of disseminating scientific knowledge and promoting cutting-edge technologies in the field of building science and construction engineering. During the exhibition, CSIR–CBRI presented a wide range of its research achievements and innovative technological solutions addressing the contemporary challenges of the built environment. The institute’s exhibits highlighted its core areas of expertise, including construction materials, structural safety, disaster mitigation, energy-efficient housing, and sustainable building systems. The CBRI pavilion stood out as a centre of attraction throughout the exhibition, drawing visitors from various sectors including government agencies, academia, industry professionals, and the general public. The exhibition served as an effective platform for the institute to demonstrate how scientific innovation can be translated into practical, field-level applications that directly contribute to the vision of sustainable and resilient infrastructure for the nation.

The Hon'ble Cabinet Minister for Rural Development and Panchayati Raj, Shri Anirudh Singh, and Sh. D.C. Rana, Director-cum-Special Secretary (Revenue & Disaster Management), Government of Himachal Pradesh, visited the CSIR–CBRI stall and took keen interest in the technologies on display. They appreciated the institute's path-breaking contributions in promoting resilient, energy-efficient, and sustainable infrastructure solutions, and lauded its role in developing indigenous technologies that cater to the needs of rural and urban housing alike. Their interaction with CBRI scientists further emphasized the importance of integrating science and technology into the developmental framework of the country to ensure safety, sustainability, and inclusivity in the construction sector.

A major highlight of CBRI's participation was the live demonstration of advanced building technologies, which provided visitors with a hands-on understanding of the institute's research outputs. The High Draught Brick Kiln model showcased CBRI's innovations in energy conservation and emission reduction for the brick manufacturing industry, offering an efficient and eco-friendly alternative to traditional kilns. Another major attraction was the 3-D Printing Technology, which featured India's first 3-D printed rural house, symbolizing a transformative leap towards affordable and rapid housing construction. In addition, the institute prominently displayed its notable contributions to the foundation design of the iconic Shri Ram Mandir at Ayodhya and the development of the Surya Tilak Mechanism, which received immense appreciation from visitors for their engineering excellence and cultural significance.

The CBRI exhibition also witnessed enthusiastic participation from students and young learners from various schools across the region. The interactive sessions with CBRI scientists helped the students understand the role of research and innovation in shaping a sustainable future. Their curiosity, enthusiasm, and eagerness to learn about scientific advancements reflected the growing interest of the younger generation in science and technology. The stall thus not only served as a platform for knowledge dissemination but also as an inspiring space for nurturing scientific temper among the youth.

Overall, the SAMARTH Exhibition 2025 proved to be an excellent opportunity for CSIR–CBRI to display its technological prowess, communicate its research impact, and engage with a wide audience comprising policymakers, researchers, students, and industry professionals. The event also facilitated meaningful discussions on the future of sustainable construction, energy-efficient housing, and disaster-resilient design approaches.

Through its impactful participation, CSIR–CBRI once again reaffirmed its unwavering commitment to advancing the frontiers of building science, engineering innovation, and sustainable development. The institute continues to play a pivotal role in translating laboratory research into field applications, contributing significantly to the nation’s mission of building safe, affordable, and environmentally responsible infrastructure. The success of CBRI’s participation at the SAMARTH Exhibition underscores its vision of integrating science, society, and sustainability to create a resilient and progressive future for the country.