



**Outreach & Dissemination Services Office  
CSIR – Central Building Research Institute  
Roorkee – 247667 (UK)**

**Skill Development Programme on  
'Disaster Resilient Building Construction in Hills'  
January 27-31, 2025**

Outreach & Dissemination Services at CSIR-CBRI, Roorkee organized a five day skill development training program on "Disaster Resilient Building Construction in Hills" from January 27 to 31, 2025 under the aegis of CSIR Integrated Skill Initiative. The program was sponsored by the Himachal Pradesh State Disaster Management Authority (HPSDMA), and conducted for Junior Engineers (J.E.) and Technical Assistants (T.A.) from the Panchayati Raj and Rural Works Department of Himachal Pradesh, covering Bilaspur and Kinnaur districts. A total of 22 participants attended the program, gaining valuable insights and skills for constructing disaster-resilient buildings in hilly regions.

Er. Ashish Pippal, Sr. Scientist & Program Coordinator extended a warm welcome to all participants and provided an overview of the training program, emphasizing its significance in promoting disaster-resilient construction practices in hilly regions. He also welcomed the esteemed guests on the dais, including Prof. R. Pradeep Kumar, Director, CSIR-CBRI; Ar. S.K. Negi, Deputy Director and Chief Scientist; Dr. D.P. Kanungo, Chief Scientist; and Sh. Nadeem Ahmad, Chief Scientist and Head of ODSO. Additionally, he acknowledged the presence of other colleagues and staff members, appreciating their contributions to the successful organization of the program.

Dr. D.P. Kanungo, addressed the participants, emphasizing the devastating impacts of natural disasters and the urgent need for disaster-resilient structures to mitigate such risks. He highlighted the importance of both existing and new structures being improved to withstand disasters effectively. Dr. Kanungo also discussed the critical role of private industries and contractors in ensuring the quality of construction materials and practices.

Ar. S.K. Negi, Deputy Director and Chief Scientist, emphasized that safety is the most important criterion in construction, particularly in disaster-prone areas. He highlighted that while houses and structures can be rebuilt, human life is irreplaceable and must always come first. He further explained that safety in construction is deeply intertwined with geological factors, underscoring the need for a scientific approach to ensure resilience and protection against natural calamities.

Prof. R. Pradeep Kumar, Director, CSIR-CBRI, shared valuable insights on various aspects of building construction, emphasizing the importance of selecting appropriate materials, understanding temperature variations, and leveraging field knowledge to design resilient structures. He addressed the grave consequences of disasters, including the tragic loss of lives and significant property damage, and highlighted the need for proactive measures to mitigate these risks.

Sh. Nadeem Ahmad, extended a heartfelt vote of thanks to all dignitaries, participants, and organizers for their active involvement and contribution to the success of the training program. He warmly welcomed the participants and acknowledged their commitment to learning and skill development. Concluding the session, he invited everyone to join for high tea and a group photo, marking the occasion with a spirit of unity and shared purpose.

A total of 10 sessions were delivered by CBRI scientists, covering various aspects of disaster-resilient construction. The program also included a visit to the R&D laboratories, providing participants with hands-on exposure to cutting-edge research and technologies. Additionally, a one-day field visit was organized to give participants practical insights into real-world applications of disaster-resilient building practices.

The five-day program concluded with a valedictory ceremony, where certificates were distributed to the participants in recognition of their active participation and learning. During the ceremony, participants shared their experiences and insights gained throughout the training program, reflecting on the knowledge they acquired. The program successfully concluded with a deeper understanding of disaster-resilient construction techniques tailored for hilly areas, equipping participants with the tools and knowledge to implement these practices in their respective regions.

### **List of Participants**

<b>S. No.</b>	<b>Name of Participants, Designation &amp; Address</b>	<b>Mobile No.</b>
1.	Ajay Kumar, TA Bilaspur	8219891089
2.	Chirag Kaliya, JE Kinnaur	8219439295
3.	Desh Raj, TA Bilaspur	9805947106
4.	Kishori Lal, JE Kinnaur	8219917301
5.	Manoj Kumar, TA Bilaspur	8219345545
6.	Anup, JE Kinnaur	7807403553
7.	Pankaj Kumar, JE Kinnaur	7018203083

8.	Yogesh Kumar, JE Kinnaur	9418821116
9.	Pawan Kumar, TA Bilaspur	7018938020
10.	Pawan Singh, TA Bilaspur	8219987476
11.	Pradeep Kaushal, JE Bilaspur	7018320030
12.	Rajender Kumar, TA Kinnaur	9418389029
13.	Rajender Kumar, TA Bilaspur	8219890992
14.	Rajesh Kumar, TA Bilaspur	8091737150
15.	Ritesh Kumar, JE Kinnaur	8544723023
16.	Subash Chandra Negi, JE Kinnaur	9816902052
17.	Suraj Mani, TA Kinnaur	8894165649
18.	Vijay Attri, Block Engg. Bilaspur	9418135330
19.	Vinod Kumar, TA Kinnaur	8628022663
20.	Virender Chadda, JE Bilaspur	9418638043
21.	Vishesh Chaudhary, JE Kinnaur	7876522456
22.	Harpal Singh, Insp. Kinnaur	9817216721

### Glimpses of Programme



### Inauguration Function



**R&D Labs & Demo Park Visit**



**Certificate Distribution**