



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



**Skill Development Training Programme on**  
**‘Master Trainers for Masons’**  
**for the Engineers of Himachal Pradesh Government during Sep 25-29, 2023**

Five days Skill Development Training Programme on ‘*Master Trainers for Masons*’ was organized under the aegis of CSIR Integrated Skill Initiative during Sep 25-29, 2023 sponsored by *Himachal Pradesh Council for Science, Technology & Environment, Himachal Pradesh (HIMCOSTE)*. This training program was aimed at enhancing latest knowledge & skills of the participants using innovative tools & techniques in the area of safe building construction systems in hilly regions by providing adequate planning & layout methods for Earthquake Safety & Seismic Vulnerability, Traditional Constructional Practices in Himachal Pradesh & CSIR-CBRI efforts & contribution in rural housing etc. This skill development training programme was attended by 26 Engineers of various departments working under Himachal Pradesh Government.

The training programme was inaugurated by **Dr. S.S. Randhawa**, Principal Scientific Officer, HIMCOSTE and **Er. H.K. Jain** in the presence of training Coordinator’s **Ar. S.K. Negi**, **Dr. Ajay Chourasia** & **Dr. S.R. Karade**, Chief Scientists of CSIR-CBRI. Initially, Er. **Ashish Pippal**, Sr. Scientist welcomed the participants and other colleagues and briefed about the five days’ activities of the training programme. Subsequently, **Dr. Ajay Chourasia** emphasized on the need of hour to preserve the traditional construction & heritage structures in hilly regions by adopting the latest tool and techniques prevalent in the construction sector. Chief Guest of the event, **Dr. S.S. Randhawa** in his inaugural address highlighted the importance of this training programme and urged the participating engineers to learn effectively for better end-to-end knowledge sharing with working masons in Himachal Pradesh to make it a disaster free state. At the end, **Ar. S.K. Negi**, Chief Scientist and Course Coordinator stated the CSIR-CBRI contributions in building construction for providing appropriate and economical solutions to the problems of building materials, foundations, masonry, roofing, flooring and rehabilitation of structures etc. particularly in the area of rural housing and Himalayan terrain like Himachal Pradesh. During inaugural, several scientists & staff namely Dr. Nagesh Balam, Dr. Kishor Kulkarni, Dr. Tabish Alam, Dr. Anup Prasad, Dr. Veena Chouhary, Ar. Naveen Nishant, Er. I.A. Siddiqui, Sh. Sukhbeer Sharma, Er. Shivam Tyagi & Er. Vikas Upadhyay etc. were also present.

During the programme about 12 technical interactive sessions were delivered by scientists of CSIR-CBRI and external experts covering seismic vulnerability and quality control to ensure the safety of structures in hilly terrains; which will lead to minimization of resources, cost, maintenance and maximization of service life of buildings. In addition, participants have also witnessed the demonstration on material testing, EQ safety measures, precast components etc. Apart from this, Institute's *R&D facilities, Rural Technology Park & Construction Technology Demonstration Park* etc were also showcased to the participants for better understanding of the new construction technologies & safe construction practices. At the end of the programme participants expressed their feedback of the training programme and its usefulness. Finally, the programme was concluded with the distribution of certificates and other relevant materials of the course content.

### List of Participants

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### **Glimpses of the Training Programme**



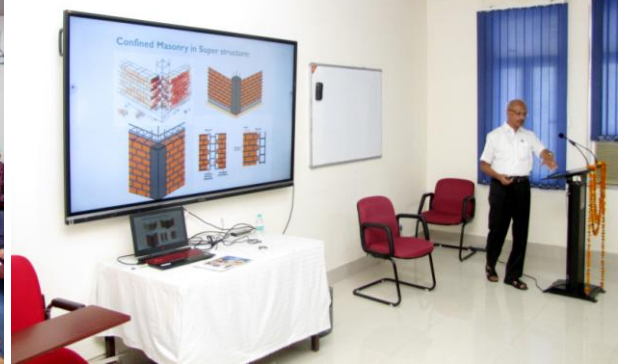
*Inaugural Ceremony*



*Group Photograph*



*View of Participants*



*Technical Sessions*



*Visit to R&D Laboratories & Rural Technology Park*



*Valediction & Certificate Distribution*