



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 Nov 20-24, 2023

Five days Skill Development Training Programme on ‘*Master Trainers for Masons*’ was organized under the aegis of CSIR Integrated Skill Initiative during **November 20-24, 2023** sponsored by *Himachal Pradesh Council for Science, Technology & Environment, Himachal Pradesh (HIMCOSTE)*. This training program was aimed to develop master trainers for training of masons by providing latest knowledge & skills for the construction of rural houses in hilly regions through technical inputs on adequate building planning & layout methods for Earthquake Safety & Seismic Vulnerability, Foundation Systems, Construction Materials, Quality Assurance and Control, Disaster Safety, Traditional Constructional Practices in Himachal Pradesh & CSIR-CBRI efforts & contribution in rural housing etc. This training programme was attended by 31 Engineers from various departments of Himachal Pradesh Government.

The programme was inaugurated by **Prof R. Pradeep Kumar**, Director CSIR-CBRI, in the presence of **Dr. S.S. Randhawa, Ar. S.K. Negi, Dr. R. Dharmaraju, Dr. Achal Mittal, Dr. Ajay Chourasia** and others. In his inaugural address, **Director CSIR-CBRI** have emphasized on the codal provisions prevalent for safe construction of houses and discussed the need of hour to understand and address the ground level problems in the best possible manner for constructing the safe, sustainable and affordable houses across the nation. Initially, Er. **Ashish Pippal**, Sr. Scientist welcomed the participants and other colleagues and briefed about the five days’ activities of the training programme. Subsequently, **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. Later, **Dr. R. Dharmaraju** elaborated about the training activities being held at this institute in reaching the grass-root level functionaries and provided the brief overview of the immense work done by the trained master trainers in BPGY and PMAY-G, Odisha in constructing more than 10 lakh houses across the state. Thereafter, **Dr. Ajay Chourasia**, Chief Scientist stated to preserve the traditional construction & heritage structures in hilly regions by adopting the latest tool and techniques prevalent in the construction sector. Chief Guest, **Dr. S.S. Randhawa** in his 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. During inaugural, several scientists & staff namely Dr. Anup Prasad, Dr. Veena Chouhary, Ar. Naveen Nishant, Er. I.A. Siddiqui, Sh. Sukhbeer Sharma, Er. Saksham Bhardwaj & Er. Abhinav etc. were also present.

During the programme, 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



Valediction & Certificate Distribution