



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



**Skill Development Training Programme on**  
**‘DESIGN OF FIRE PROTECTION MEASURES’**  
**September 25-27, 2023 at India Habitat Centre, New Delhi**

Three days’ skill development training programme on *‘Design of Fire Protection Measures’* was organized under the aegis of CSIR Integrated Skill Initiative for the fire & emergency service professionals during September 25-27, 2023 at India Habitat Centre, New Delhi. This training programme was aimed at providing the overview of the existing fire codes/design considerations and to brush up the existing knowledge of fire officers/safety people/designers/students/working professionals with the current state of art in fire protection systems. Several tools and techniques with respect to active & passive fire protection measures, life safety measures along with assessment methods of building's compliance with codes were targeted for minimizing the losses to the built environment. The training programme was attended by 60 participants representing different departments such as Oil industries, Metro corporations, Hospitals, Fire services, Architects, Construction & Design companies, CSIR laboratories, Academic Institutions, Students & other industry partners from 15 states of the country.

The event was inaugurated by the chief guest **Sh. Krishna S Vatsya**, Member, NDMA and **Prof. R. Pradeep Kumar**, Director CSIR-CBRI in the presence of **Dr. Sohrab Jain**, **Dr. Harpal Singh & Dr. R. Dharmaraju**; chief scientists & training coordinators. In his inaugural speech, **Director CSIR-CBRI** has emphasized on the safety, sustainability and functionality of the buildings with special reference to fire safety. He also suggested to focus on fire preventive measures like preparedness, prevention & mitigation to avoid human life losses in case of fire incidents. Subsequently, **Sh. Krishna S Vatsya**, chief guest of the programme has highlighted the significance of CBRI’s role in mitigating the fire disasters. Further, he stated that India must strictly focus on adopting fire safety measures by implementing fire Safety standards, building codes & regulations to become a disaster free nation. In addition, he added that the need of conducting fire safety investigations and regular fire audits of commercial buildings like hospitals and malls etc. He invited CSIR-CBRI to organize such fire related training programmes in collaboration with NDMA. Later, **Dr. Sohrab Jain**, Sr. Principal Scientist & Co-coordinator appraised about the importance of fire protection measures required for reduction of damage and loss due to fire incidences and also, gave brief overview of the three days’ course content and program structure.

**Dr. Harpal Singh**, Chief Scientist briefed about the world class Fire safety and engineering facilities created at CSIR-CBRI and services offered to the society. Subsequently, **Dr. R. Dharmaraju**, Chief Scientist & Skill Nodal, CSIR-ISI have highlighted the importance of transforming CSIR-CBRI research & development outcomes to the end-users through skill training/dissemination for up-gradation of knowledge to build safe & sustainable habitat. At the end, **Dr. Achal Mittal**, Chief scientist gave the concluding remarks and proposed a heartfelt vote of thanks. The proceedings were elegantly coordinated by **Prof. S. K. Singh**, Chief Scientist and **Mr. Nadeem Ahmad**, Senior Principal Scientist. During the inaugural event several CBRI Scientists & technical staff namely **Dr. A. Aravind Kumar**, **Er. Saksham Bhardwaj** & **Er. Abhinav Tyagi** etc were also present.

About 22 technical presentations were made by external experts and CSIR-CBRI scientists during the three days of the training programme covering latest state of art techniques and facilities in the multi-dimensional era of fire protection measures and also various case studies of fire safety audits. The event also featured an important landmark through the signing of a **Memorandum of Understanding (MOU) between CSIR-CBRI & Fire and Security Association of India (FSAI)**; a non-profit service entity extending facilitation efforts towards fire cum life safety and security. At the end, participants have also given their feedback regarding usefulness of this skill training to their professional endeavors. The training was concluded with the distribution of certificates and other relevant training materials.

### **List of Participants**

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## Glimpses of the Training Programme



*Inaugural Ceremony*



*View of Participants*



*Group of Participants*



*Technical Sessions*



*MoU Signing between FSAI and CSIR-CBRI*



*Valediction & Certificate Distribution*