



CSIR – Central Building Research Institute
Roorkee – 247667 (UK)



Training Programme on
‘Landslide Risk Mitigation & Control Measures’
November 28-30, 2022

CSIR-Central Building Research Institute, Roorkee have organized a three days skill development training programme on “*Landslide Risk Mitigation & Control Measures*” during November 28-30, 2022 under the aegis of CSIR Integrated Skill Initiative. It aims to familiarize the participants on the latest techniques on landslide characterization, multi hazard mapping, geotechnical parameters responsible for sliding, instrumentation & monitoring, early warning system & control measures etc. The training programme was attended by 29 students/engineers from JNGEC Himachal Pradesh, Chandigarh, Kerela, Bihar & UP etc.

The training programme was inaugurated by **Dr. R. Pradeep Kumar**, Director CSIR-CBRI and addressing to the participants he mentioned about recently occurred landslide disasters in India and life losses to humans and property. He also emphasized on Disaster Management Act-2005 being implemented in the country for better disaster preparedness and minimizing the life and property loss. The event was coordinated by **Dr. R. Dharmaraju**, Chief Scientist & Skill Nodal, CSIR-ISI. Several scientists namely Dr. Ashok Kumar, Dr. S. Sarkar, Dr. Ajay Chourasia, Ar. S.K. Negi, Dr. D.P Kanungo, Dr. B.S. Rawat, Dr. L.P. Singh, Dr. S.R. Karade, Dr. Kishor Kulkarni, Er. Ashish Pippal and Ar. Naveen Nishant etc were also present during inaugural function.

Through various technical sessions delivered to the participants, they were understood on the latest geophysical & geotechnical investigations like seismic refraction method, electrical resistivity method, ground penetrating radar, boring for soil exploration, soil sampling and In-situ laboratory testing, numerical modeling and stability analysis of landslides etc. In addition, participants were taken to different laboratory of the institute for better understanding of landslide dynamics and also they have visited to an activate landslide near Narendra Nagar, Rishikesh for better learning of field condition of a landslide site. A total of 11 technical presentations were made the CSIR-CBRI scientists. Feedback from the participants was collected in the format and they also expressed their learning from the training and its usefulness to upgrade the knowledge to deliver the services. Finally, training certificate and other relevant materials have been distributed to the participants.

List of Participants

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Glimpses of the Training Programme



Inaugural Ceremony



Technical Presentation by Scientists



View of Participants



Group of Participants

Site Visit - Narendra Nagar