

**Training programme on
'Master Trainers on Earthquake Resistant Constructions in Himachal Pradesh'
March 28-29, 2019**

A two days training programme for Master Trainers on 'Earthquake Resistant Construction in Himachal Pradesh' was organised during March 28-29, 2019 at RIPA, Shimla under the CSIR Integrated Skill Initiative programme in association with State Centre for Climate Change & State Council for Science Technology & Environment, Himachal Pradesh. The programme aims to sensitize the working professional from the educational institutions/implementing agencies of the govt. department on advanced earthquake resistant construction practice. The programme was inaugurated by Ms. Manisha Nanda, IAS, Additional Chief Secretary, Govt. of Himachal Pradesh. Ms. Jyoti Rana, Joint Director, RIPA, Dr. S.S. Randhawa, Principal Scientific Officer, HPSCST&E and Scientists of CSIR-CBRI were present during the inaugural session. The programme was attended by about 58 participants from different Polytechnic Collages/IITs and State Government departments of Himachal Pradesh. During the programme the technical presentations and field demonstration on construction practice were made by the CSIR-CBRI scientists.

About eight technical sessions have been conducted during the training programme covering the topics on CSIR-CBRI Initiative of Skill Development for Construction Industry; Earthquake, Wind and snow resistant design of houses; Earthquake risk mitigation and management; Design of confined masonry buildings in earthquake zone IV & V; Failure analysis & retrofitting of earthquake affected buildings in the hilly terrain; Quality assurance in construction of earthquake resistant structures and Demonstration of earthquake resistant construction buildings in hilly area etc were covered by Ar. S.K. Negi, Chief Scientist; Dr. R. Dharmaraju, Sr Principal Scientist; Dr. Ajay Chourasia, Sr Principal Scientist and Er. H.K. Jain, Principal Technical Officer (Rtd.) of CSIR-CBRI. During the concluding session the participants expressed the value in adaptation of latest scientific knowledge on disaster resistant building construction at grass root level with the technical support of CSIR-CBRI scientific community. The session was concluded with the distribution of certificates to the participants.



Inaugural Session



Group of Participants



Technical Demonstration of Earthquake Resistant construction practices