

A Report on Workshop-cum-Training Programme (19~20 Aug. 2011)

A two days workshop cum training programme on “**Achieving Quality in Building Construction**” has been organized by **CSIR - Central Building Research Institute, Roorkee (India)** for engineering staff of Sarva Shiksha Abhiyan (SSA), Uttarakhand during 19~20th December, 2011 at CBRI, Auditorium.

The training programme was inaugurated by Dr. N. M. Bhandari, Professor, Department of Civil Engineering, Indian Institute of Technology, Roorkee. He graced this programme as a Guest of Honour. In the absence of Shri R.K. Sudhanshu, IAS, Secretary, Technical and Higher Education, Govt. of Uttarakhand and Chief Guest of the function, Dr. A.K. Mittal, Scientist, CBRI and Programme Coordinator read the message of the Chief Guest. The proceedings of the training programme were also released in the opening ceremony. Shri S. G. Dave, Chief Scientist, CBRI presided over the function.

The workshop was attended by forty-eight engineers from all the thirteen districts of Uttarakhand. Eminent speakers like Sh. S.G. Dave, Dr. B.K. Rao, Dr. A.K. Mittal, Sh. S.K. Negi, Sh. A.K. Sharma, Sh. Ajay Choursia, Dr. L.P. Singh, Sh. Rajeev Kumar Sharma, Sh. Jajaj Parashar, Sh. I.A. Siddiqui and Sh. Deepak Dharmshaktu delivered lectures and shared their experience. They discussed on the basics of earthquake engineering, latest construction practices and achieving quality in building construction. A demonstration of reinforcement detailing and concreting was a part of the training programme. Some of the important lecturers were on

- Basics of earthquake engineering and building design
- Special soil and foundation systems
- Precautions and quality control during concreting for small civil works
- A glimpse on CBRI R&D for commercial/ mass applications
- Basic building materials
- Construction practices and vernacular architecture in Uttarakhand
- Inspection & testing plan for construction materials
- Precautions during brick masonry construction
- Achieving quality in construction – a challenge
- Quality control strategy for Sarva Shiksha Abhiyan (SSA) school buildings
- Demonstration of reinforcement detailing and concreting for building construction
- Quality control in building construction using non-destructive testing

The closing ceremony was held on 20th August, in which Prof. S. K. Bhattacharyya, Director, CBRI, Roorkee, presided over the function and distributed the certificates to Sh. Manish Mittal, Executive Engineer and his team of AEs and JEs. Dr. A. K. Mittal, Programme Coordinator proposed a vote of thanks to the participants, faculty, organizing team. A feedback study was carried out by the organizers at the end of the event. Analysis of the feedback study, suggests that this workshop cum training programme was highly appreciated, however, more time for demonstration was requested.



Lighting of Lamp by the Dignitaries



Release of Course Proceedings



Demonstration of Concrete Block Construction



Closing Ceremony of the Course



Group Photo of Course Faculty & Participants

Dr. Achal Kumar Mittal
Scientist, CSIR-CBRI