

HIGHLIGHTS OF THE ING-IABSE WORKSHOP ON “APPLICATION OF IRC:112 - CODE OF PRACTICE FOR CONCRETE ROAD BRIDGES” HELD AT RAIPUR ON 13TH AND 14TH OCTOBER, 2017

The Indian National Group of the IABSE in co-operation with Public Works Department, Govt of Chhatisgarh successfully organised a two day Workshop on “Application of IRC:112 - Code of Practice for Concrete Road Bridges” at Raipur on 13th and 14th October 2017. The Workshop was well attended by more than 250 delegates from various Govt Departments as well as other private and public organizations.

The aim of the workshop was to provide a unique opportunity to the Engineers of the State PWD, the practicing engineers and the students to interact with experts for dissemination of knowledge and experiences relating to the latest techniques in design of bridges and other structures using the “Code of Practice for Concrete Road Bridges IRC:112: 2011”. Participation of delegates in floor intervention and discussions was very encouraging.

The Workshop was inaugurated by Shri Rajesh Munat, Hon’ble Minister of Public Works Department, Chhatisgarh by lighting the traditional lamp in the presence of Shri I.K.Pandey, Secretary, ING-IABSE, Shri Subodh Kumar Singh, Principal Secretary, Public Works Department, Govt

of Chhatisgarh, Shri Anil Rai, Managing Director, CGRDC & OSD, Govt of Chhatisgarh, Prof Mahesh Tandon, Chairman, Scientific Committee, Shri D.K. Pradhan, Engineer-in-Chief, PWD Govt of Chattisgarh and Shri K.K. Pipri, Chief Engineer, National Highways, PWD, Govt of Chhatisgarh as well as other dignitaries.

Shri Subodh Kumar Singh, Principal Secretary, Public Works Department, Govt of Chhatisgarh extended warm welcome to the participants of the Workshop. Shri I.K.Pandey, Secretary, ING-IABSE delivered his address during the Inauguration and spoke on the idea behind organizing this Workshop at Raipur. Shri K.K.Pipri, Chief Engineer (National Highways), Govt of Chhatisgarh, proposed Vote of Thanks. On this occasion, Chief Guest of the Seminar also released the Souvenir.

The Workshop on “Application of IRC:112 - Code of Practice for Concrete Road Bridges” was addressed by the following eminent experts covering the following themes who were either involved in the preparation of the Code or have used it extensively since its publication.

13th October, 2017

Session-1

Presentation-1	Overview & Scope – Mahesh Tandon
Presentation-2	Basis of Design – Alok Bhowmick
Presentation-3	Actions and their Combinations with Worked Examples – Alok Bhowmick
Presentation-4	Material Properties and their Design Values – Worked Example for Stress-Strain Curves and Creep Calculations – Mahesh Tandon

Discussions for Session-1

Session-2

Presentation-5	Analysis Methods: (With worked Examples on Modelling) – Vinay Gupta
Presentation-6	Serviceability Limit State with Worked Examples – Vinay Gupta
Presentation-7	ULS of Linear Elements for Bending and Axial Forces With Worked Example – Umesh Rajeshirke
Presentation-8	Complete Worked Example for RCC Superstructure Design with IRC:112 – Umesh Rajeshirke

Presentation-9 Worked Example for Well Foundation Design with IRC 112 – Harpreet Singh

Discussions for Session-2

14th October, 2017

Session-3

Presentation-10 ULS of Shear, Punching Shear and Torsion – JS Pahuja
Presentation-11 ULS of Induced Deformations – Worked Examples – VN Heggade
Presentation-12 Durability and Deterioration of Concrete Structures – Vinay Gupta
Presentation-13 Prestressing Systems – Worked Examples – Alok Bhowmick

Discussions for Session-3

Session-4

Presentation-14 Detailing Requirements Including Ductility Detailing – Alok Bhowmick
Presentation-15 Worked Example of a PSC Segmental Box Girder with IRC 112 – Harpreet Singh

Discussions for Session-4

The concluding remarks of the Workshop were presented by Prof Mahesh Tandon, Chairman, Scientific Committee on 14th October 2017. He expressed the hope that the outcome of the Workshop would have enriched the delegates. The delegates who attended the Workshop mentioned that the subject matter of the Workshop is very timely. Shri K.K.Pipri, Chief Engineer (NH), Govt of Chhattisgarh proposed Vote of Thanks.

A light music with dinner was organized in the evening of 13th October 2017 for the participants who rejoiced the evening.

The Workshop was a great success.



Photo-1 A view of the Dais during the Inaugural Function



Photo-2 Shri Rajesh Munat, Hon'ble Minister, Public Works Department lighting the traditional Inaugural Lamp along with high dignitaries