

## HIGHLIGHTS OF THE ING-IABSE WORKSHOP ON “CODE OF PRACTICE FOR CONCRETE ROAD BRIDGES IRC:112:2011” HELD AT MUMBAI ON 18<sup>TH</sup> AND 19<sup>TH</sup> NOVEMBER, 2016

The Indian National Group of the IABSE in co-operation with Govt of Maharashtra, PWD and Maharashtra State Road Development Corporation (MSRDC) successfully organised a two day Workshop on “Code of Practice for Concrete Road Bridges IRC:112:2011” at Mumbai on 18<sup>th</sup> and 19<sup>th</sup> November, 2016. The Workshop was well attended by more than 200 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 Chandrakant Dada Patil, Hon’ble Minister of Public Works Department, Maharashtra by lighting the traditional lamp

in the presence of Shri D.O. Tawade, Chairman, ING-IABSE, Shri Ashish Kumar Singh, Principal Secretary, Public Works Department, Govt of Maharashtra, Shri S.B. Tamsekar, Secretary (Roads), Shri C.P. Joshi, Secretary (Works), Prof Mahesh Tandon, Managing Director, Tandon Consultants Pvt Ltd., Shri P.S. Mandpe, Joint Managing Director, Maharashtra State Road Development Corporation Ltd and Dr Harshavardhan Subbarao, Chairman, Scientific Committee as well as other dignitaries.

Shri Ashish Kumar Singh, Principal Secretary, Public Works Department, Govt of Maharashtra extended warm welcome to the participants of the Workshop. Shri D.O. Tawade, delivered his address during the Inauguration. Shri R.K. Jawanjali, Suptd Engineer, PWD proposed Vote of Thanks.

The Workshop on “Code of Practice for Concrete Road Bridges IRC:112:2011” 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.

### 18<sup>th</sup> November, 2016

- |   |                           |   |  |
|---|---------------------------|---|--|
| 1 | Dr Harshavardhan Subbarao | - | Overview & Scope Basis of Design       |
| 2 | Prof Mahesh Tandon        | - | Material Properties and Design Values  |
| 3 | Shri DA Bhide             | - | Action and Load Combinations           |
| 4 | Shri Umesh K Rajeshirke   | - | Ultimate Limit States                  |
| 5 | Shri Vinay Gupta          | - | Serviceability Limit State             |
| 6 | Shri VN Heggade           | - | ULS of Induced Deformations & SLS      |
| 7 | Shri Alok Bhowmick        | - | ULS of Shear, Punching Shear & Torsion |

### 19<sup>th</sup> November, 2016

- |    |                    |   |   |
|----|--------------------|---|---|
| 8  | Shri Alok Bhowmick | - | Detailing Aspects   |
| 9  | Shri Nirav Mody    | - | Case Study 1: Design of I Girders   |
| 10 | Dr AK Mullick      | - | Durability, Quality control & workmanship                                 |
| 11 | Shri PG Venkatram  | - | Case Study 2: Design of Integral Bridge                                   |
| 12 | Shri Aditya Sharma | - | Case Study 3: Design of Box Culverts, CD Work, Abutments, Retaining Walls |

The concluding remarks of the Workshop were presented by Dr Harshavardhan Subbarao, Chairman, Scientific Committee on 19<sup>th</sup> November, 2016. 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 P.S. Mandpe, Joint Managing Director, MSRDC proposed Vote of Thanks.

A light music with dinner was organized in the evening of 18<sup>th</sup> November, 2016 for the participants who rejoiced the evening.

The Workshop was a great success.



*Shri Chandrakant Dada Patil, Hon'ble Minister, Public Works Department, Maharashtra lighting the traditional Inaugural Lamp along with high dignitaries*



*Shri D.O. Tawade, Chairman, ING-IABSE Delivering his address*



*Shri Chandrakant Dada Patil, Hon'ble Minister, Public Works Department, Maharashtra Delivering his address during Inaugural Function*



*Hon'ble Minister presenting a cheque of Rs10.00 lakhs to Chairman, ING-IABSE during the Inaugural Function*



*A view of the audience during the Inauguration*