

## HIGHLIGHTS OF THE INTERNATIONAL SEMINAR ON “INNOVATIONS AND AESTHETICS IN DESIGN AND CONSTRUCTION OF BRIDGES AND TUNNELS” HELD AT NAGPUR (MAHARASHTRA) ON 8<sup>TH</sup> AND 9<sup>TH</sup> JULY 2017

The Indian National Group of the IABSE successfully organized a two day International Seminar on “**Innovations and Aesthetics in Design and Construction of Bridges and Tunnels**” at Nagpur on 8th and 9th July 2017. The Seminar was well attended by more than 400 delegates from various Govt Departments as well as other private and public organizations.

This international seminar gave an exposure to some of the outstanding major bridges and tunnels constructed in the recent past and those nearing completion, involving aesthetics and latest technologies. The knowledge and experiences gathered from these projects will provide inspiration for innovation and new technologies in the coming years.

During this two days Seminar, several eminent engineers in the field of Bridge & Structural Engineering made presentations on the different aspects of bridge repair and rehabilitation and presented some interesting case studies for benefit of the participants from Maharashtra, Public Works Department and other state PWDs and Consultants associated with the topic. Participation of delegates in floor intervention and discussions was very encouraging.

The Seminar was inaugurated by Shri Chandrakantdada Patil, Hon’ble Minister, PW & Revenue Department, Maharashtra by lighting the traditional lamp. Other dignitaries, Shri D.O. Tawade, Chairman, ING-IABSE, Shri C.P. Joshi, Secretary (Works) Maharashtra, PWD, Shri AK Banerjee, Chairman, Scientific Committee and Shri I.K. Pandey, Secretary, ING-IABSE also graced the occasion.

Shri Devendra Fadnavis, Hon’ble Chief Minister Maharashtra has also graced the Seminar on 9th July 2017. The Hon’ble Chief Minister brought out that the upcoming ambitious project of Nagpur Mumbai Samruddhi Corridor, which connects 24 districts

of Maharashtra and will lead to prosperity in farm sector. The project, also known as Communication Super Expressway, will reduce the travelling distance between Mumbai and Nagpur to merely 8-10 hours. It is proposed to lay gas, petroleum, petrochemical pipelines along the projects and provide the facility to land aircraft on the Expressway, if required. Such an important projects requires the best, attractive design and enduring quality, he said. Shri Fadnavis appealed to the engineers and architects to contribute towards making Samruddhi Corridor the most innovative and best project.

Hon’ble Chief Minister Maharashtra appreciated the work done by Engineers and quoted some of the examples of best constructions including tunnel connecting Jammu and Kashmir regions, biggest bridge across river Brahmaputra. In Maharashtra, Bandra Worli Sea-link has become a new landmark of Mumbai. Bandra-Versova new sea link is being constructed to tide over the problem of traffic congestion in Mumbai and other new projects include Nariman Point to Worli connectivity and trans harbor sea link. In both cases, priority is being accorded to safety, aesthetics and ensuring quality, he said. He expressed thankfulness to Shri Narendra Modi, Prime Minister and Shri Nitin Gadkari, Union Minister for Road Transport, Highways and Shipping for the excellent work in furthering the cause of connectivity with quality. On this occasion, Chief Guest of the Seminar also released the Souvenir.

Shri D.O. Tawade, Chairman, ING-IABSE welcomed the Chief Minister and also spoke on the idea behind organizing this International Conference.

Shri IK Pandey, Secretary, ING-IABSE proposed a Vote of Thanks.

The Seminar on “**Innovations and Aesthetics in Design and Construction of Bridges and Tunnels**” was addressed by the following eminent experts.

## **Saturday, July 8, 2017**

### **Session 1**

- Prof Mahesh Tandon – Barapullah Elevated Corridor
- Shri Alok Bhowmick – Bridges in Urban Areas – Challenges, Innovations & Aesthetics
- Shri Morgan Trowland & Shri Deepak Singla – Arrah – Chhapra Bridge and Basholi Bridge

### **Session 2**

- Shri SP Khedkar – Bandra – Worli Sea Link
- Shri Ashutosh Chandwar – Chenani – Nashri Tunnel at J&K
- Shri Erwan Vicat – Construction of New Cable Stayed Zuari Bridge
- Shri Umesh Rajeshirke – Innovative Design & Construction of Cable Stayed Bridges
- Dr BC Roy – Why Innovation ?

## **Sunday, July 9, 2017**

### **Session 3**

- Dr Mike Schlaich – Signature Bridge in Delhi
- Dr Florian Krenn – State of the Art in Design & Construction of Tunnels
- Dr Nishith Gupta – Tube Tunnel in Singapore

### **Session 4**

- Shri Vinay Gupta – Challenges in Design and Construction of Underground Metro Stations
- Shri Jose Romo Martin – Aesthetics in Bridges
- Dr Harshavardhan Subbarao – Foundations and Substructure for Signature Bridge
- Shri Ozturk Ozgur – Submersible Tunnel

The concluding remarks of the Seminar were presented by Shri AK Banerjee, Chairman, Scientific Committee on 9th July 2017. He expressed the hope that the outcome of the Seminar would have enriched the delegates. The delegates who attended the Seminar mentioned that the subject matter of the Seminar is very timely. Shri M Chandrashekar,

Chairman, Local Organising Committee proposed Vote of Thanks.

A light music with dinner was organized in the evening of 8th July 2017 for the participants who rejoiced the evening.

The Seminar was a great success.



*A view of the Dais during the Inaugural Function*



*Shri Chandrakant Data Patil, Hon'ble Minister lighting the traditional Inaugural Lamp along with high dignitaries*



*Shri C.P. Joshi, Secretary (Works), Maharashtra, PWD  
Delivering his welcome address*



*Shri I.K. Pandey, Secretary, ING-IABSE  
Delivering his address*



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



*Shri Chandrakant Data Patil, Hon'ble Minister  
Delivering his address during Inaugural Function*



*A view of the audience during the Inauguration*



*Another view of the audience during the Inauguration*



*A view of the Cultural Evening during the Seminar*



*Souvenir released by Shri Devendra Fadnavis, Chief Minister, Maharashtra*



*Shri I.K. Pandey, Secretary, ING-IABSE  
Delivering his address*



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



*Shri AK Banerjee, Chairman, Scientific Committee  
Delivering his address*



*Shri Devendra Fadnavis, Chief Minister of Maharashtra  
addressing the gathering*



*Chief Minister Maharashtra, Shri Devendra Fadnavis being felicitated by Shri D.O. Tawade, Chairman,  
ING-IABSE during the International Conference on 9<sup>th</sup> July, 2017.  
Shri Chandrashekhar Bawankule, Guardian Minister, Shri I.K.Pandey, Secretary,  
ING-IABSE and other dignitaries also are seen.*



*View of the audience during the Valedictory Session*



*Another view of the audience during the Valedictory Session*