

About the Indian National Group of the IABSE

Indian National Group (ING) of the International Association for Bridge and Structural Engineering (IABSE) was set up in May 1957, under the patronage of the Government of India, Ministry of Road Transport and Highways with the active participation of engineers and professionals from the public and private sector as well as research and academic institutions. It works as an arm of the Parent Body (IABSE), Zurich, Switzerland to promote international co-operation and exchange of technical and scientific knowledge in bridge and structural engineering.

To achieve these aims and objectives, the Group organizes periodical discussions in Seminars, Symposia and Workshops on topical subjects and publishes a quarterly technical Journal "The Bridge and Structural Engineer".

For more information please contact:

ING-IABSE Secretariat

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PROGRAMME

Saturday, October 19, 2024

09.00 – 09.30	Registration
09.30 – 11.00	Inaugural Session
11.00 – 11.30	Tea Break
11.30 – 12.05	Keynote Lecture Sustainable Usage of Steel in Bridges: Mr A Ghoshal
12.05 – 13.30	Session-1: Analysis & Design An Overview of Structural Analysis Methods for Steel Bridges: Dr Harshavardhan Subbarao
12.05 – 12.40	Design for Fatigue: Dr Sanjeev Kumar Garg
12.40 – 13.15	Q&A
13.15 – 13.30	Lunch Break
13.30 – 14.15	Session-2: Materials, Technology & Structural Detailing Steel as a Sustainable Bridging Material: Prof DR Sahoo
14.15 – 15.45	Detailing of Steel Connections Introduction of New IRC Guideline: Mr V Karthik
14.50 – 15.25	Q&A
15.25 – 15.45	Tea Break
15.45 – 16.00	Session-3: Fabrication, Erection and QA/QC for Steel Bridges Chenab Bridge: Mr Shashank Rajbhoj
16.00 – 16.35	Guidelines for Fabrication & Erection: Mr G R Mohanty
16.35 – 17.10	Q&A
17.10 – 17.30	Session-4: Special Session for PWD, Uttarakhand on Disaster Mitigation Projects in the state Smart Infrastructure Management - Online Bridge Inspections and Public Feedback Integration: Mr Manoj Bisht
17.30 – 19.00	Speaker to be identified from World Bank Q&A

Sunday, October 20, 2024

10.00 – 11.30	Session-5: Bowstring Girder Bridge - Construction & Design Challenges Bow String Steel Bridges - Construction Challenges: Mr V Sadasivam
10.00 – 10.35	Design Challenges: Mr UK Rajeshirke
10.35 – 11.10	Q&A
11.10 – 11.30	Tea Break
11.30 – 11.45	Session-6: Repair & Rehabilitation; Inspection, Maintenance & SHM Series of Steel Bow-string Arches for Metro Structures: Prof Mahesh Tandon
11.45 – 12.20	Inspection, Maintenance & SHM: Mr GK Sahu
12.20 – 12.55	Q&A
12.55 – 13.15	Lunch Break
13.15 – 14.00	Session-7: Temporary Structures & Modular Bridges Erection of Steel & Composite Bridge Decks: Mr MV Jatkar
14.00 – 15.30	Modular Bridges: Mr Alok Bhowmick
14.00 – 14.35	Q&A
14.35 – 15.10	Tea Break
15.10 – 15.30	Session-8: Case Studies Forensic Investigation of a Bowstring Girder during Construction: Mr V N Heggade
15.30 – 15.45	Linear Infrastructures through Forest Area in Uttarakhand: Mr Atul D Bhoje
15.45 – 17.15	Q&A
15.45 – 16.20	Session-9: Panel Discussion on "Quality of Design and Construction of Steel Bridges"
16.20 – 16.55	
16.55 – 17.15	
17.15 – 18.00	

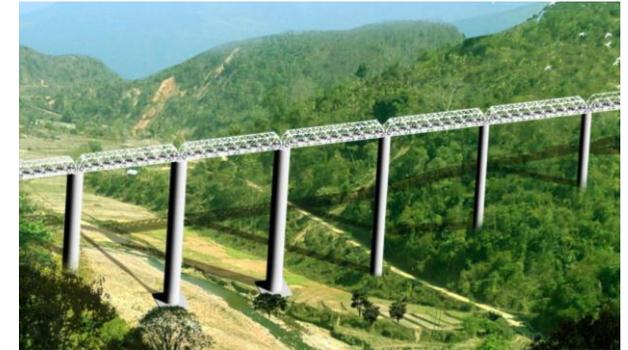
Indian National Group of the
International Association for
Bridge and Structural Engineering



Invitation

Workshop on

"Design, Construction and Maintenance of Steel Bridges"



Venue

Seyfert Sarovar Premiere Dehradun, Uttarakhand
Khasra No. 270, Haridwar Bypass Road, Near ISBT,
Dehradun - 248001

Date

19th & 20th October, 2024

Organised by

Indian National Group of the IABSE
(ING-IABSE)

Supported by



Public Works Department, Uttarakhand

About the Workshop

The Indian National Group of the International Association for Bridge and Structural Engineering (**ING-IABSE**) in association with the Public Works Department, Govt of Uttarakhand and Ministry of Road Transport and Highways are organizing a two-day Workshop on “**Design, Construction and Maintenance of Steel Bridges**” on 19th & 20th October 2024 at Dehradun.

Govt of India has embarked upon a massive road development programme in the country through the Ministry of Road Transport & Highways. A large number of major bridges and flyovers are being constructed as a part of this programme. While the design and construction of these structures, which serve as vital links in the road network, are normally done by experienced consultants and contractors, there are several areas of concern for the Client and the users regarding their quality of design and construction, including the use of materials and testing.

Apart from this, the impact of global warming and climate change has brought a sharp focus on the need to design and construct resilient bridges as evidenced by the recent collapse of bridges in various parts of the country.

Steel is one of the key materials for the construction of bridges and Steel and Steel Composite Bridges have some obvious advantages over PSC and RCC bridges. The high initial cost of steel bridges compared to PSC and RCC Bridges is offset when whole-life cost and sustainability issues are addressed.

The objective of this workshop is to develop more awareness among the Engineers of the State PWDs, Contractors, Consultants and other executing agencies about the importance of quality control and quality assurance in the planning, design, construction, inspection and maintenance of these structures, keeping in view their long design service life. The knowledge and experiences gathered from the various presentations in this workshop are expected to be utilized by all participating Engineers in monitoring the quality aspects of these structures.

Scientific Committee

Dr Harshavardhan Subbarao	Chairman, SC
Members	
Alok Bhowmick	A.K. Banerjee
Prof Mahesh Tandon	VN Heggade
UK Rajeshirke	Vinay Gupta
Varsha Agarwal	Jatin Singla
Dr Lakshmy Parameswaran	Rajiv Ahuja
Nirav Mody	Atul Bhobe
Alok Panday	

Regarding technical information related to this Workshop, you may contact:

Dr Harshavardhan Subbarao, Chairman, Scientific Committee
C&MD, Construma Consultancy Pvt. Ltd., Mumbai
Email: h.subbarao@construma.in, Mobile: 9833055968

Speakers

Mr Amitabha Ghoshal

Practicing Engineer, Indian Stainless Steel Development Association

A veteran in the profession, who graduated in Civil Engineering in 1957. Fellow of a large number of Professional Institutions like ICE(UK), IE(I), IABSE, CEAI with active participation. He was responsible for the formulation and publication of several Codes of Practice for diverse engineering subjects on

behalf of IRC and BIS. He served as the Convenor of B-5 Committee of IRC on Steel Bridges for a long period. He is the Author of the book 'Engineering Aspects of Howrah Bridge at Kolkata (1943)' published by CRC Press, Taylor & Francis Group.

Dr Harshavardhan Subbarao

Former Vice President, IABSE & Chairman & Managing Director, Construma Consultancy Pvt Ltd

Holds a Ph.D from Imperial College, London and has been involved with a number of Landmark projects such as Signature Cable Stayed Bridge, New Delhi, 4.6 km Rail-cum-Road Bridge, Patna, Bridge No.20 on JURL, Extradosed and Cable-stayed Bridges and first Stainless Steel Cable-stayed Bridge in India. A member of the Technical Committee of IABSE and Chair of its Bulletin Edit Board, several committees of IRC, BIS, *fib* and various International and National bodies, he has a number of papers, publications and bridge projects to his credit.

Dr Sanjeev Kumar Garg

Executive Director (Urban and Rapid Regional Transport), Ministry of Railways

An IIT Roorkee Graduate, who belongs to the Indian Railway Service of Engineers (IRSE). He has expertise in Design and Construction of Rail/Road Bridges with more than 25 years of experience in Planning, Design, Construction and Maintenance of Rail/ Road Bridges, Metro network, Track & other Railway assets. He has received Prestigious National Award for Outstanding Service (Ministry of Railways) along with many others. He is member of IRC B2 & B5 code committees and published many papers.

Prof Dipti Ranjan Sahoo

Professor (Structural Engineering), Department of Civil Engineering, IIT Delhi

He is a recipient of Shanti Swarup Bhatnagar prize (2022) and a Fellow of the Indian National Academy of Engineering (INAE), Institution of Civil Engineers (UK), and Institution of Engineers (India). He has received the Young Engineer Awards from the Department of Science and Technology, Department of Atomic Energy and Institution of Engineers (India). He is also a member of the various committee of the Bureau of Indian Standards. His research interests include the earthquake-resistant design of steel and composite structures.

Mr V Karthik

Engineering Manager - Bridges CEng MICE, JACOBS

He is a Chartered Engineer (CEng, MICE) with the Institution of Civil Engineers (UK) and actively involved in various committees of Indian Roads Congress (IRC) and IABSE task groups (Switzerland), contributing to the advancement of structural engineering standards and practices. He has extensive experience in leading the management of complex transportation infrastructure projects, specializing in bridges and associated structures. He has notable contributions in IRC B-5 code committee and to industry journals and guidelines.

Mr Shashank Rajbhoj

Deputy General Manager (Design), AFCONS Infrastructure Ltd

Graduated in Civil engineering in 1997 and holds a post graduate degree in Structural Engineering from VJTI, Mumbai in 2001. He has overall experience of 25 years in Infrastructure Projects. He is mainly involved in Design of Bridges, project planning, making construction schemes and development of related enabling structures. Areas of expertise are in Long span bridges, expressways and Industrial Structures. He is a Fellow Member – Institution of Engineers (India).

Mr Manoj Kumar Bisht

Superintendent Engineer at PWD Uttarakhand

Manoj Kumar Bisht has done B.Tech in Civil Engineering in 1997 and MBA in Infrastructure Management in 2017. He is Superintendent Engineer at PWD Uttarakhand having over 27 years of experience in planning of roads, bridges, water supply and sanitation projects. Expertise includes developing and implementing IT solutions for better project management, automating survey data for Civil 3D, Uttarakhand Disaster Recovery Project and accounting, letter management and MIS systems for PWD.

Mr Gyana Ranjan Mohanty

CEO, Corrosion Protection (P) Ltd

He graduated in Mechanical Engineering in the Year 1980. He is member of IRC B-5 & IRC B-6 committees of Indian Roads Congress and Life Member of Indian Institute of Welding. He specializes in Fabrication & Erection of Steel Bridges, Industrial Structures and is engaged in manufacturing of bridge bearings, LPG Cylinders, Industrial Castings and Electron Beam Welding machine, in Collaboration with BARC, MUMBAI. This Welding Process has application in Defense and Aerospace Industries.

Mr Umesh Rajeshirke

Managing Director, Spectrum Techno Consultants Pvt Ltd

He graduated in 1987 and did his masters in 1991. He has Over 30 years' experience in the Planning & Design of Cable Stayed and other long span Bridges. He is a member of various committees of IRC & BIS and published number of papers.

Mr GK Sahu

Chief Scientist, Bridge Engineering & Structures Division, CSIR-CRRI

He graduated in Civil Engineering in 1987 and obtained Master degree in Structural Engineering in 1989. As a Scientist in the Bridge Engineering Division in SERC Ghaziabad, he was involved in the Performance Monitoring of important bridges and structures through instrumentation. He published more than 25 Research Papers and more than 100 technical reports in the field of Bridge Engineering. He also worked as a General Manager (Technical) in NHAI. He is currently involved in Health Assessment of Bridges, Quality Supervision and repair and rehabilitation works of bridges. He is also Member of various IRC and BIS Committees.

Prof Mahesh Tandon

Chairman, Tandon Consultants Pvt Ltd

Prof Mahesh Tandon received his Bachelor degree in Civil Engineering and Masters from University of Hawaii, USA. He was appointed Distinguished Visiting Professor at the Indian Institute of Technologies at Kanpur and Roorkee by the Indian National Academy of Engineering (INAE) and the All India Council for Technical Education (AICTE).

Mr Mohan Jatkar

Advisor- Technical in GECP&L & a Director of GILCON Project Services Ltd.

Mohan Jatkar, received his bachelor & PG degrees from the COEP. He has since worked for Gammon India Ltd. in design of permanent and temporary structures & construction engineering in various capacities before being appointed as Technical Director. Presently he is Advisor- Technical in GECP&L & a Director of GILCON Project Services Ltd. He is a member of various technical committees and co-convenor of B-7 committee of IRC. He has co-authored a book “Bridge Deck Erection Equipment” as a member of workgroup WG6 of IABSE. He was conferred the prestigious S.B. Joshi Award for excellence in Bridge & Structural Engineering in 2023.

Mr Alok Bhowmick

Managing Director, B&S Engineering Consultants Pvt Ltd

Shri Bhowmick graduated in Civil Engineering in 1981 and obtained Masters in Structural Engineering in 1992. He is a Fellow of INAE, an International Professional Engineer of IE (India), and a FIDIC certified consulting professional. He is past President of IAStructE. He has written, published and presented more than 200 technical papers in various national / international journals and forums. He is the recipient of 24th S.B. Joshi Memorial Award for the Year 2018 for "Excellence in Bridge & Structural Engineering".

Mr VN Heggade

Founder & CEO of DECon Complete Solutions

Shri VN Heggade has in excess of 40 years of experience of Designing and Constructing Bridges. He has been an invited and a keynote speaker in National and International Seminars, Symposiums and Congresses. He is a *Fellow of INAE* apart from receiving awards and recognition from almost all civil engineering bodies of the country. He is a recipient of International IABSE prize in 2002, first person to receive this from developing countries. He is also conferred with fellowship by *FIB*.

Mr Atul D Bhobe

Managing Director, TPF Engineering Pvt Ltd

Atul D. Bhobe has done his M.S.E. from University of Michigan, USA. He has done his B.E. in Civil Engineering with honors. He is members of several professional institutes such as IRC, ACCE, ICI, ASCE(USA), IE(I). He is a Fellow Member of IABSE and IIBE. He is a member of many code making committees of IRC and BIS. He has nearly 4 decades rich experience in the field of Bridge and Structural Design and Construction Engineering of Structures. He has been involved with more than 1000 major structures worldwide.

General Information

Language

The Workshop will be conducted in English and all published material associated with the Workshop will be in English.

Registration

Application for registration should be sent in the enclosed Form. The completed Registration Form along with requisite registration fees should **preferably reach by 30th September 2024**.

Registration Fees	Fee Rs
Members, ING-IABSE	Nil
Non-Members, ING-IABSE	6000/-
Young Engineers (under 35 years)	2500/-
Students	1500/-

Note: 18% GST will be applicable

Payment

Payment of the registration fee should be made in INR (Indian Rupees). Cheque payable at New Delhi drawn in favour of "**Secretary, Indian National Group of the IABSE, New Delhi**" should be attached with the Registration Form. Registration Forms received without Registration Fee will be rejected. For spot registration, a cheque or Cash will be accepted. Payment can also be done by bank transfer as per particulars given below under intimation to ING-IABSE Secretariat:

Beneficiary Name: Secretary, Indian National Group of the IABSE, New Delhi | **Account Number:** 90621010000023 | **Bank Name:** Canara Bank | **IFSC:** CNRB0019062 | **MICR:** 110015419 | **Branch Address:** Transport Bhawan, Parliament Street, New Delhi-110 001. **PAN No.** AAATI0559E, **TAN No.** DELI04568E, **GSTIN.** 07AAATI0559E1ZX.

Accommodation

Dehradun has some various categories of hotels and Guest Houses to suit varied requirements. Delegates are required to book in advance their respective State Guest Houses or Hotels. No official arrangements for accommodation and transport are being made by the ING-IABSE.

Sponsorship Opportunities

Privileges	Diamond (5 Lacs)	Gold (3 Lacs)	Silver (2 Lac)
Complimentary Delegates	7	5	3
Advertisement in B&S Journal	One	One	One
Slot for Presentation	5 min	5 min	---
Display the name during Workshop	✓	✓	✓
Distribution of Catalogues	✓	✓	✓

Workshop

on

"Design, Construction and Maintenance of Steel Bridges"

19th & 20th October, 2024, Dehradun

Registration Form

(Please type or write in block letters and return to)

Shri BK Sinha

Secretary

Indian National Group of the IABSE

IDA Building (G/F)

Jamnagar House , Shahjahan Road

New Delhi-110 011

Name _____

Designation _____

Organisation _____

Address _____

City _____ Postal Code _____

STD Code ___ Tel _____ Mobile _____

E-mail _____

Registration Fees	Fee Rs
Members, ING-IABSE	Nil
Non-Members, ING-IABSE	6000/-
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Students	1500/-

Note: 18% GST will be applicable.

Payment

Cheque

Please find enclosed a Cheque No _____ dated _____ for Rs _____ drawn in favour of "**Secretary, Indian National Group of the IABSE, New Delhi**".

Bank Transfer

I/We have made the payment through NEFT. The Transaction No _____ dated _____ for Rs _____ and sent the details through email at secretariat@iabse.org

Date _____ Signature _____

- NOTE:**
1. Please keep a photocopy for your record.
 2. Delegates are requested to make their own arrangements for travel and accommodation.

Detail of Hotels near ISBT, Dehradun

Hotel Satya

ISBT, Saharanpur Road, Dehradun, Uttarakhand 248001

Tel: [078956 55424](tel:07895655424)

Hotel Sumanglam

Opp. City Junction Mall, Haridwar Bypass Road, Dehradun, Uttarakhand 248001

Tel: [8755915112](tel:8755915112)

Hotel Paradise Inn

Sewla Kalan, Majra, Dehradun, Shewala Kala, Uttarakhand 248171

Tel: [0135 264 0090](tel:01352640090)

Hotel Doon Regency

1-B, Haridwar Road, Prince Chowk, Near Race Course, Dehradun, Uttarakhand 248001

Tel: [078309 00555](tel:07830900555)

Hotel Lords

ISBT Crossing, Saharanpur Road, Dehradun, Uttarakhand 248171

Tel: [097191 45002](tel:09719145002)

Hotel Hive

1, Turner Road, Clement Town, Dehradun, Sewla Khurd, Uttarakhand 248001

Tel: [076688 77913](tel:07668877913)

Hotel The Onix

1, Saharanpur Road, Shakti Vihar, Majra, Niranjapur, Dehradun, Uttarakhand 248001

Tel: [098377 18575](tel:09837718575)

Hotel Sandstone

Haridwar Bypass Road, Near ISBT, Dehradun, Uttarakhand 248001

Tel: [074099 99992](tel:07409999992)

Hotel The Sands

Saharanpur Road, Subhash Nagar, Dehradun, Sewla Khurd, Uttarakhand 248001

Tel: [083948 42000](tel:08394842000)

Regenta Dehradun

Saharanpur Road, next to Mercedes-Benz Showroom, Mohabbewala, Dehradun, Chandrwani Khalsa, Uttarakhand 248001

Tel: [074650 95108](tel:07465095108)

Cygnett Inn Paras

Haridwar Bypass Road, near ISBT, Niranjapur, Dehradun, Uttarakhand 248001

Tel: [085954 50450](tel:08595450450)

Super Hotel O ISBT Dehradun

Hotel Near Kavita Jewellers, Plot 6, Krishna Market Road, Subhash Nagar, Clement Town, Dehradun, Uttarakhand 248002

Tel: [0124 433 0599](tel:01244330599)