संख्या:10(1)/प्रमुख अभि./निदेशक/लोगिटि/2018/7217 दिनांक 29/11/2018

सेवा में
प्रवाह मुख्य अभियंता (अनु.),
लोगिटि, एमएसओ भवन,
नई दिल्ली।

प्रवाह मुख्य अभियंता (परि.),
लोगिटि, एमएसओ भवन,
नई दिल्ली।

विषय: Workshop on Inspection, Investigation and Repair/Rehabilitation of Bridges and Flyovers to be held at Chennai on 8th and 9th December 2018. Request for Nominated Delegates.

उपरोक्त विषय पर प्राप्त पत्र की प्रतिलिपि संलग्न की जा रही है। आपसे अनुरोध है कि उपरोक्त प्रशिक्षण हेतु इस उद्देश्य के लिए नामांकन इस कार्यालय को दिनांक 05/12/18 तक भेजिए।

संलग्न:उपरोक्तानुसार।

प्रतिलिपि:—लोगिटि वैबसाइट।

(सुमेंद्र) सहायक प्रशासनिक अधिकारी—

[Signature] 29/11/18
No.ING/IABSE-7(7)/2018

To

The Engineer-in-Chief (Projects)
Govt of Delhi
Public Works Department
IP Estate, MSO Building, 12th Floor
New Delhi-110 002

Sub: Workshop on “Inspection, Investigation and Repair/Rehabilitation of Bridges and Flyovers” to be held at Chennai on 8th and 9th December 2018
Request for nominate Delegates

Sir,

The Indian National Group of the International Association for Bridge and Structural Engineering (ING-IABSE) is organizing a two day Workshop on “Inspection, Investigation and Repair/Rehabilitation of Bridges and Flyovers” on 8th and 9th December 2018 at Chennai. A copy of the Invitation Brochure containing the details of the Workshop and Registration Form is enclosed.

The Indian National Group of the IABSE extends invitation to you to attend and nominate 20 to 25 officers from your State for the above Workshop.

You are also requested to share the contents of this brochure with the contractors, consultans and members of the profession working with you and request them to attend the above event. The details of the Registration Fee are as under:

<table>
<thead>
<tr>
<th>SI Nr</th>
<th>Registration Fees</th>
<th>Fee Rs</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Members, ING-IABSE</td>
<td>5000/-</td>
</tr>
<tr>
<td>2</td>
<td>Non-Members, ING-IABSE</td>
<td>7000/-</td>
</tr>
<tr>
<td>3</td>
<td>Young Engineers/ Students (under 35 years)</td>
<td>2500/-</td>
</tr>
</tbody>
</table>

Note: 18% GST included in the Fee.

I am sure that the subject matter of the Workshop would be of immense benefit to the professionals in the field of bridge and structural engineering and it will provide an opportunity to the participants for useful interaction with the Experts.

As the time left is very short, we will appreciate if the Registration Form is sent to this office duly filled in along with necessary registration fee through a cheque drawn/demand draft in favour of the “Secretary, Indian National Group of the IABSE, New Delhi” by return post.

Yours faithfully,

(Handwritten Signature)

Secretary, ING/IABSE & Additional Director General (RD)
Ministry of Road Transport & Highways

Encl: As above

Telex : (+91) (11) 2338 6132 Phone : (+91) (11) 2338 6724
E-mail : ingiabse@bol.net.in, ingiabse@hotmail.com, secy.ingiabse@bol.net.in
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 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
Indian National Group of the IABSE
IDA Building, Ground Floor
Jannagar House, Shahajahan Road
New Delhi-110 011

I.K. Pandey
Secretary
Mobile: 090 13 44 29 63
E-mail: ikg@hotmail.com

Ashish Asati
Director
Mobile: 095 40 53 81 08
E-mail: ashishasati1@yahoo.com

K.B. Sharma
Under Secretary
Mobile: 098 71 48 10 89
Tel: 011-23388132, 23386724
E-mail: ingiabse@hotmail.com
ingiabse@zbl.net.in

For more information please contact the following at Chennai:

Mr Alok Pandey, Chief Engineer & Regional Officer, MoRT&H, Chennai
Mob: 98800309948

Mr Pawan Kumar,
Regional Officer, NHAI, Chennai
Mob: 98999918147

Mr N. Balaraman, Chief Engineer (NH), Govt of Tamil Nadu, Chennai
Mob: 94442556188

PROGRAMME

Saturday, December 8, 2018
09.00 – 10.00
Registration
Inauguration

Key Note Address – Mr. Niran Kohli
Bridge Repair & Rehabilitation – An Overview –
Mr. A.K. Banerjee
Session 1 – Inspection, Investigation and Bridge Management System
Overview of BMS from MoRT&H perspective –
ADGCE S&R Br

Tea Break
Condition Survey and Bridge Management System –
Dr. Lakshmy Parameswaran
Detailed Investigation and Testing – Mr. R.K. Jagiopal
Development of Bridge Management Systems for National Highways – A Case Study – Mr. R.S. Sharma

Lunch
Session 2 – Repair Materials and Techniques
Some New Technologies, Concepts and Case Studies in Bridge Repairs – Dr. Harshavardhan Subbarao
Concrete Bridge Repair – State of the Art and Material & Methods – Mr. Sanmir Surlaker
TRP A Wonder Material for Repairs –
Prof. M.C. Tandon

Tea Break
Session 3 – Repair / Rehabilitation and Case Studies
Rehabilitation of Bridges & Other Structures –
Mr. P.V. Manjure
Repair and Retrofitting of Bow String Arch Bridges in Goa – Mr. Alok Bhowmick
Seismic Retrofitting of Bridges & Structures –
Prof C.V.R. Muity

Presentation by Sponsor

Sunday, December 9, 2018
10.00 – 15.30
Session 3 - Repair / Rehabilitation and Case Studies (Contd.)
Rehabilitation of Steel Bridges – A Case Study –
Mr. Amitabha Ghoshai
Hybrid Technology for Rehabilitation of Deep Bridge Foundations – Mr. V.N. Hegdade
Rehabilitation of Durgabati Bridge on N.H 2 in Varanasi – Mr. Umesh Rajesh

Tea Break
Repairs to major cracks in Main Span of Versova Bridge across Vasai Creek – Mr. Aditya Sharma
Specialized Replacement Techniques of Bearings and Expansion Joints with Minimal Disruption of Traffic –
Case Studies – Mr. Prateek Sen

Lunch
Rehabilitation of Suspended Span of Versova Bridge across Vasti Creek – Mr. Dhananjay Bhise
Repair and Rehabilitation of Steel Bridges –
Mr. Ashok Basa

Concluding Session

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

Invitation

Workshop

“Inspection, Investigation and Repair/Rehabilitation of Bridges & Flyovers”

Venue:
IC & SR, IIT Madras
Near Gajendra Circle, Opposite to Admin Building, Adyar, Chennai-600036

Chennai (Tamil Nadu) December 8-9, 2018

Organised by
Indian National Group of the IABSE

Supported by
Ministry of Road Transport and Highways
and
National Highways Authority of India
About the Workshop

The Indian National Group of the International Association for Bridge and Structural Engineering (ING-IABSE) in association with Ministry of Road Transport & Highways and National Highways Authority of India, is organizing a two day Workshop on "Investigation, Inspection and Repair/Rehabilitation of Bridges & Flyovers" on 8th and 9th December 2018 at Chennai.

India has a large number of bridges and flyovers on the major road corridors, constructed in the last few decades. Many of these structures have been constructed long back and have suffered damage/distress due to environmental factors and lack of timely maintenance. These assets need to be maintained with necessary repairs and rehabilitation / strengthening to achieve their full service life.

This Workshop intends to provide insights into the probable causes of distress and available methods and techniques of their repair and rehabilitation to enhance their serviceability during the design life. It also covers the aspects of detailed inspection, investigation and testing.

During this two day Workshop, several eminent engineers in the field of bridge & structural engineering will make presentations on the different aspects of bridge repair and rehabilitation and present some interesting case studies for the benefit of the participants.

Scientific Committee

Chairman, SC
A.K. Banerjee
B.N. Singh
I.K. Pandey
Ashish Asati

Co-Chairman, SC
Chairman, ING-IABSE
Secretary, ING-IABSE
Director, ING-IABSE

Members
Alok Bhownick
Lakshmy Parameswaran

Mahesh Tandon
Vinay Gupta
Aditya Sharma

Regarding technical information related to this Workshop, you may contact Mr. Niran Koshi, Chairman, Scientific Committee. Email: n.koshi@hotmail.com, Mobile: 9891089838.

Speakers

Mr. B.N. Singh
Chairman, ING-IABSE & Director General (Road Development) & Special Secretary, MoRT&H
Mr. B.N. Singh obtained B. Tech degree from B.I.T. Mesra and joined Ministry of Road Transport & Highways as AEE in April, 1983 and rose to the rank of DG (RD) & Special Secretary. He had worked as Member (Projects) in NHAI from December 2009 to December 2014 and as CCM and GM during 2000-2009.

Mr. I.K. Pandey
Secretary, ING-IABSE & Addl Director General (Road Development), MoRT&H
Mr. Pandey joined Ministry of Road Transport & Highways in September, 1984 as AEE and rose to the Addl Director General (Road Development). He also worked in NHAI as GM (Tech) during 2000-2004 and CCM (Tech) from 2012 to April 2016. During his career spanning about 34 years, he had dealt with a number of four laning and six laning projects including major bridges. He is also working as Convener/ Member of various IRC Technical Committee including Bridge Standards and Specification Committee.

Mr. Niran Koshi
Chairman, Scientific Committee & Former DG (RD) & Addl Secretary, MoRT&H
After joining the Central Engineering Service in 1959, Mr. Koshi worked for long periods in the Ministry of Road Transport & Highways before retiring as Director General (Road Development) & Addl. Secy. His specialization is in the field of bridges. As convener of the concerned Technical Committee of the IRC for many years, he was instrumental in the drafting and finalization of the Limit State Code for Concrete Bridges IRC:112, which is now in use in the country. He was also Chairman of the ING-IABSE for a number of years and was conferred the Honorary Life Membership of the Parent Body in Zurich in 1992.

Mr. A.K. Banerjee
Co-Chairman, Scientific Committee & Former Member (Technical), NHAI
Mr. Banerjee graduated in Civil Engineering from University of Calcutta and obtained M.Tech degree from I.I.T. Delhi. He had an illustrious career as Highway and Bridge Engineer in the Ministry of Road Transport & Highways, where he rose to the rank of Chief Engineer and later became Member (Technical) in the National Highways Authority of India. He is the Convener / Member of various IRC Bridges Technical Committee, including the Bridges Standards & Specification Committee.

Dr. Lakshmy Parameswaran
Chief Scientist, Bridges & Structures Division, CSIR-Central Road Research Institute
Dr. Lakshmy Parameswaran, is a PhD (Civil Engineering) from IIT Roorkee. She has more than 30 years experience and is currently working in CSIR-CRRI as a Chief Scientist. Her main areas of research are bridge management, health monitoring of bridges and bridge aerodynamics.

Mr. R.K. Jaigopal
Managing Director, Stuart Geotech Research Laboratories Pvt Ltd
Mr. R.K. Jaigopal, born 1955, received his Post Graduate in Structural Engineering from Bangalore University. He has more than 38 years of experience in the field of design, construction, structural investigation and rehabilitation which includes buildings and bridges.

Mr. R.S. Sharma
Chief Engineer (Roads), MoRT&H
Mr. R.S. Sharma with his MS from Delhi University has over 40 years experience in planning, design, supervision of highway and bridge projects. Widely travelled, presently Team Leader for inspection of bridges in North Eastern states of over 10000 km.

Dr Harshavardhan Subbarao
Vice President, IABSE & Chairman & Managing Director, Consutma Consultancy Pvt Ltd
Dr. Harshavardhan Subbarao, holds a PhD from Imperial College, London. He has been involved with a number of landmark projects such as Signature Cable Stayed Bridge, Delhi, 4.6 km Rail-cum-Re-ad Bridge, Patna, Bridge No. 20 on JR, elevated roads, arch bridges, underpasses etc. A member of the Technical Committee of IABSE, several committees of IRC and various International and National bodies, he has a number of papers and bridge projects to his credit.

Mr. Samir Surlaker
Director, Assten Buildtech Pvt Ltd
Mr. Samir Surlaker is a civil and structural engineer having four decades of national and international experience and expertise in the field of Concrete Technology, construction Chemicals and Repairs and Rehabilitation of structures. He is Vice President of Indian Concrete Institute (ICI) and President of Construction Chemists Manufacturers Association (CCMA). He is Fellow of several Professional Bodies and has won several Awards. He is co-author of Handbook of Advanced Concrete Technology. He is Member of several BIS Committees and ICI Handbook Committees.

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

Prof. P.Y. Manjare
Director, Forespan Presized Concrete Co Ltd
Prof. Manjare graduated in Civil Engineering in 1963 from Pune University. Specialized in the field of Rehabilitation and prestressing. Has done rehabilitation of more than 350 structures in the last 5 decades.

Prof. Alok Bhownick
Managing Director, B&S Engineering Consultants Pvt Ltd
Mr. Bhownick has a career spanning more than 33 years including the Design of Viaducts, Bridges, Elevated Metro Stations, Integral Flyovers, Underpasses, Aqueducts, Industrial Structures etc. He is an active member of several Technical Committees of IRC.

Prof. C.V.R. Murty
Professor, Structural Engineering, IIT Madras
Prof. Murty received his Bachelor and Master degree in Civil Engineering from IIT Madras in 1984 and 1986 and PhD from California Institute of Technology, Caltech, USA in 1992.
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 3rd December 2018.

Payment
Payment of 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 Form received without Registration Fee will be rejected. For spot registration, cheque or Cash will be accepted.

Accommodation
Chennai has a large number of Five Star and other category 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 Indian National Group of the IABSE.

Sponsorship Opportunities

<table>
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<tr>
<th>Privilages</th>
<th>Diamond (2 Lacs)</th>
<th>Gold (2 Lacs)</th>
<th>Silver (1 Lacs)</th>
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