

National Conference on Innovations in Repair, Rehabilitation and Retrofitting of Structures (3R)

September 19-20, 2025



Organizer



Indian Concrete Institute

INDIAN CONCRETE INSTITUTE

Technical Partners:



CSIR-CBRI



IIT R



CSIR- CRRI



NCCBM



CPWD

Venue:

Scope Convention Centre, Lodhi Road, New Delhi

(Location Map : Scan QR Code)



Preamble

Since independence, many civil engineering structures such as buildings, roads, bridges, flyovers, canals, dams, airports, sea ports, industrial structures etc. have been constructed in India. With the passage of time, some structures face problems due to aging and other reasons such as change in usage of structure, changes in codal provisions, improper selection or application of material, deficiencies in design & detailing, poor workmanship, earthquakes, cyclones, environment condition etc. To resolve these problems, Repair Rehabilitation and Retrofitting (termed as 3R hereinafter) of structures is a better strategy than reconstruction, as this is sustainable as well as cost and time effective. Therefore, repair, rehabilitation and retrofitting of structures is a fast growing segment in the construction sector, covering public as well as private infrastructure. This segment covers residential, institutional, commercial, industrial, infrastructure and all other sectors of human activities. Its demand is growing by leaps and bounds.

Problems in a structure can be mitigated by proper understanding of the causes for distress, selection of appropriate repair / rehabilitation / retrofitting strategy and its proper execution.

Some structures require enhancement of its strength and stability due to changes and/or increase in its functional requirements, loading conditions etc. The performance of such structures may be enhanced by application of modern materials and construction techniques for 3R.

There has been development of innovative, high performance and durable materials as well as state of art techniques to carry out 3Rs and also for structural health monitoring.

In this context, Indian Concrete Institute is organizing a national level conference to spread knowledge among practicing engineers and professionals on the latest technological developments in repair, rehabilitation and retrofitting (3R) of structures. This conference shall bring on one platform the experts, researchers, manufacturers, designers, constructors as well as users to share their knowledge and experiences on assessment of causes of distress in structures and latest technological developments for remedial measures for an economically viable, durable, sustainable restoration of the structure to achieve the desired service ability and life.

CSIR-CBRI, CSIR-CRRI, IIT-Roorkee, NCCBM, Ballabgarh and CPWD (proposed) are the Technical partners in this conference of ICI.

Themes

The conference shall encompass the following themes:

- Causes of distress and failures in structures
- Structural health assessment & monitoring
- As-built documentation & Re-qualification of existing structures due changes in codal provisions
- Advances in techniques and practices for 3R
- Modern materials for 3R
- Testing and design of repair systems
- Conservation of heritage structures
- Post fire investigations and rehabilitations
- FRP wrapping : Design and applications
- Codal provisions for 3R
- Case studies

Dates & Venue

The ICI national conference shall be organized on
September 19-20, 2025, Friday & Saturday
at

**Scope Convention Centre, Lodhi Road,
New Delhi-110003.**

Who should Participate

The organizations and individuals engaged in construction, maintenance and/or conservation of structures, R&D, academics, design consultancy, manufacturing & sales/marketing of construction materials & machineries/equipment etc. are invited to participate in this conference as delegate, paper presenter or exhibitors.

Participation is solicited of Government & PSU officers, Researchers, Academicians, Practicing engineers, Architects, Constructors, Builders, Policy makers, Owners of structures, Engineering students and other stakeholders in the construction industry.

Certificate of participation shall be issued to the participants of this national level conference.

ABOUT ICI

Indian Concrete Institute is the leading non-profit professional body in India, dedicated to the cause of disseminating knowledge on Concrete, promotion of Concrete technology in construction and to address the research needs in the field of Concrete technology.

The ICI was born in 1982 with about 500 members from 5 regional centres. Today ICI is a strong professional body having more than 14,500 enrolled members, from 48 regional centres in all major cities, spread across the entire length and breadth of the country. To meet the objectives of ICI, the regional centres conduct variety of programs like seminars, conferences, seminars, workshops, training programs, exhibitions, industrial visits etc. throughout the year, at National as well as International level. ICI also publishes technical documents and journal to disseminate knowledge. ICI also promote education on concrete technology to the budding civil engineers and architects through its ICI student chapters in the engineering colleges across India. These events provide an unique common platform, for the various stakeholders in the construction industry viz Practicing Engineers, Manufacturers, Consultants, Constructors, Academicians, Researchers, Students etc. to share their knowledge and experience and to discuss latest innovations, problems and solutions to the problems related to concrete technology in the construction industry. For further details about ICI, please visit website: www.indianconcreteinstitute.org

This conference is being organized jointly by 4 north India regional centres of ICI namely New Delhi Centre, Ghaziabad Centre, Gurugram Centre and Uttarakhand Centre. This is 1st time, the ICI regional centres are jointly organizing a national level event.

SPONSORSHIP AND EXHIBITION

Category	Diamond	Platinum	Gold	Exhibitor
Complimentary				
Sponsorship Fee (Rs.)	5 Lakh	2.5 Lakh	1.5 Lakh	75,000
Logo in Conference Branding	Yes	Yes	Yes	NA
Presentation Slot	10 min	5 min	2min AV	NA
Complimentary Delegates	15 nos	8 nos	4 nos	2 nos
Exhibition Stall (on 1 st come 1 st serve basis)	2 x 2m Stall	NA	NA	2m x 2m stall
Standing banner at venue (6' x 3')	2 nos	2 nos	1 nos	at Stall
Distribution of Company profile & product literature	Yes	Yes	Yes	at stall

Note: GST shall not be payable on sponsorship amount. Sponsor shall remit GST to the Government under reverse charge mechanism. GST paid is not eligible for input credit for the sponsor.

Registration Fee

The registration fee for participation in this ICI National conference shall be as under:

Category	Registration Fee (Rs) (Incl 18% GST)
ICI Members	8000
Non ICI Member	10000**
ICI Student Member	4000
Non ICI Student Member	5000**
Accompanying Guest	4000

****Includes Temporary ICI membership fee of Rs 1000. This temporary ICI membership is only for this national conference.**

The registration fee also includes lunch and tea served during conference and any technical document / proceedings which may be distributed to the participants during this event.

The participants are requested to pay the registration fee through online transaction or UPI or demand draft to Indian Concrete Institute, New Delhi Centre. The bank account details are given in this brochure.

Participants shall register for this conference by scanning the following QR code and filling the registration form:



<https://forms.gle/6jWZ3mnwaDTS4QaaA>

Accommodation

The participants shall make their own arrangement in Delhi for their accommodation and local conveyance to attend the conference.

Technical Exhibition

A small technical exhibition shall also be organized as part of this conference. The exhibition shall display the materials, technologies, services etc. related to repair, rehabilitation and retrofitting works. Interested companies may book exhibition stall by payment of exhibitor fee. Stall size will be 2m x 2m. Allotment shall be on first cum first serve basis because space for only 10 to 12 exhibition stalls shall be available. Please contact the secretaries of the organizing committee of this ICI national conference to book exhibition stall.

Sponsorship

To organize this national conference, ICI solicits sponsorship from manufacturers, service providers, consultants, constructors, builders and other companies. The sponsors shall be offered facilities and opportunities to promote of their products, services and business activities. **Sponsors can also nominate participants to attend this conference, as complimentary delegates.** It will help sponsor in sharing technical knowhow to its target customers and thereby promote its company products and services. Details for sponsorship fee, deliverables and offerings are given in this brochure. Please contact the secretaries of the organizing committee of this ICI national conference for sponsorship.

Banking Details for Payments:

Account Name : Indian Concrete Institute,
New Delhi Centre

Account Number : 510101003752207

IFSC Code: UBIN0904945

Payee Bank: Union Bank of India

GST Number: 07AAATI0256J1ZS

PAN Number: AAATI0256J

Branch Address: D-64, Hauz Khas Main Market,
Haus Khas, New Delhi-110016

Contact Person : **Er. B.B. Wadhwa**, Treasurer,
ICI, New Delhi Centre; Mobile: 9811804444

Email: bbw4444@gmail.com

Note: Payment can be done through online transaction or UPI or demand draft to Indian Concrete Institute, New Delhi Centre.

Chairman - Organizing Committee

- **Dr. Achal Mittal**
Vice President (North), ICI
Emeritus Scientist CSIR, CBRI Roorkee
Email: achal.cbri@gmail.com
Mobile : 9412074408, 7017177421

Co-Chairman - Organizing Committee

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Chairman, ICI Gurugram Centre,
Mobile – 9810650987
- **Prof. Ashraf Ikbal**, Civil Engineering Dept,
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ICI Uttarakhand Centre
Mobile- 9897379426
- **Er. Rahul Goel**, Sr VP, UltraTech Cement
Chairman, ICI Western UP Centre,
Mobile – 9702779997

Organizing Secretary (Technical)

- **Prof. S.K. Singh**
Chief Scientist, CSIR-CBRI, Roorkee
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Organizing Secretary (Event Management)

- **Er. Pradeep Garg**
CE, CPWD, New Delhi
Chairman, ICI, New Delhi Centre
Mobile: 9420685651
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ICI Advisory Committee :

- Dr. V. Ramachandra, President - ICI
- Er. Manoj Kawalkar, President (Elect.)-ICI
- Er. Radha Krishnan, Secretary General, ICI
- Er. Vinay Gupta, MD, TCPL, New Delhi
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- Er. Uday Shikhare, Fischer India
- Dr. Vineet Bajaj, UltraTech R.M.C., Gurgaon

Media Partners



PROGRAMME

FRIDAY, SEPTEMBER 19, 2025

Time	Programme
9.00 - 10 am	Registration
10.00 - 11.15 am	Inauguration of Conference
11.15 - 11.45 am	Inauguration of Exhibition & High Tea
11.45 am - 1.30 pm	TECHNICAL SESSION-1 Theme - Causes of Distress & Assessment
1.45 - 2.30 pm	Lunch
2.30 - 4.15 pm	TECHNICAL SESSION-2 Theme - Modern Materials & Solutions for 3R
4.15 - 4.30 pm	Networking Tea
4.30 - 6.00 pm	TECHNICAL SESSION-3 (ICI Endowment Lectures) Theme - Rehabilitation & Retrofitting of Concrete Structures
6.00 - 6.45 pm	ICI AGM
6.45 - 7.00 pm	Networking Tea Break
7.00 pm - 8.30 pm	Musical Night & ICI New Delhi Centre Awards
8.30 pm	Cocktail Dinner

SATURDAY, SEPTEMBER 20, 2025

Time	Programme
10.00 - 11.40 am	TECHNICAL SESSION-4 Theme - Structure Health Monitoring & Solutions for Corrosion related 3R
11.40 - 11.55 am	NETWORKING TEA
12.01 - 1.50 pm	TECHNICAL SESSION-5 Theme - Assessment, Design & Execution
1.50 - 2.30 pm	LUNCH
2.30 - 4.00 pm	TECHNICAL SESSION-6 Research Papers on 3R
4.00 - 5.00 pm	Brain Storming Session & Valedictory Theme : Needs, Problems & Policy Requirements for 3R
5.15 pm	High Tea & Departure

Sponsors

Diamond +



Diamond



Platinum



SSA Techno Construction Pvt. Ltd.



Gold

