

# 2 DAYS INTERACTIVE ICI WORKSHOP ON NEW IS 456 (DRAFT)



ORGANISED BY INDIAN CONCRETE INSTITUTE  
HYDERABAD CENTER



IS 456

## VENUE

Hotel, The Plaza,  
Pranahita , 3 rd floor , Greenlands, Begumpet,  
Hyderabad

## DATE

6 TH AND 7 TH MARCH 2026  
9:00 AM TO 5:30 PM



REGISTER NOW

Contact: Ar.DVN Raju, 9989502306  
Dr Siddam Gangaram. 9490177288  
Dr. Kanta Rao VVL,9899059885  
ICI-OFFICE : 9948128555 ( 10 Am to 6 Pm)

[www.icihyd.org](http://www.icihyd.org)  
Email: [ici.hydchapter@gmail.com](mailto:ici.hydchapter@gmail.com)

## ABOUT THE WORKSHOP

There is a sea change in the latest version of IS:456 (draft) compared to the previous code. In this 5th revision prestressed concrete design has also been included and title of the code changed to “Structural Concrete: Code of Practice”, consequently IS:1343-2012 will be withdrawn after publication of the 5th revision of IS:456. Six design criteria have been included, namely strength, serviceability, durability, robustness, integrity and restorability. Concepts of durability and service life have been added. Determination of concrete properties (including time dependent ones) have now been based on the French document CEB fib Model Code 2020 (latest as of now). Items like design for fire, blast & impact have been included.

We have carefully chosen the faculty from the code makers to make deliberations more meaningful. Hence, there are more than enough reasons to have a workshop and understand most of the new draft code IS:456.

## ABOUT INDIAN CONCRETE INSTITUTE

The Indian Concrete Institute (ICI) stands as a colossal force in the Indian professional landscape, a leading body empowering individuals and organizations deeply invested in the world of concrete. As a non-profit organization, ICI is relentlessly focused on spreading the concrete knowledge, championing advancements in technology and construction, and fueling crucial research endeavors. From humble beginning in 1982 with just 500 members across 5 regional centers, ICI has exploded onto the scene. Today, it's a thriving community of over 15,000 passionate members representing every facet of the concrete industry.

With 50 regional centers strategically located nationwide. These regional centres are the sources of activity, constantly hosting dynamic events like seminars, workshops, conferences, exhibitions, and "Deminars" – a unique blend of demonstrations and seminars – throughout the year, both Nationally and Internationally

**SCHEDULE****6TH MARCH**

<b>TIME</b>	<b>SESSION / ACTIVITY</b>	<b>SPEAKERS</b>
09:30 – 10:30 AM	Inauguration	Er. Vinay Gupta Er. Jose Kurian Prof. Mahesh Tandon
10:30 – 11:00 AM	Tea/ Coffee	-
11:00 – 11:45 AM	Concrete and its Constituents	Prof. Manu Santhanam IIT Madras
11:45 – 12:30 PM	Mix Design and Special Concretes	Prof. Manu Santhanam IIT Madras
12:30 – 01:15 PM	Reinforcing Steel & its Properties	Prof. Suhasini Madhekar, COEP, Pune
01:15– 02:00 PM	Lunch	-
02:00 – 02:45 PM	Prestressing Concepts	Er. Vinay Gupta MD, TCPL ,Delhi
02:45 -03:45 PM	Quality Control, testing and Durability	Dr. P.N. Ojha NCB, Delhi
03:45 – 04:15 PM	Tea / Coffee	-
04:15 – 05:30 PM	Design & Detailing of Prestressed Concrete	Er. Umesh Rajeshirke MD, Spectrum Consultants, Mumbai

**SCHEDULE****7TH MARCH**

<b>TIME</b>	<b>SESSION / ACTIVITY</b>	<b>SPEAKERS</b>
09:00 – 09:45 AM	Modelling & Analysis	Prof. Surya Prakash IIT Hyderabad
09:45 – 10:30 AM	Design for Fire Resistance	Prof. Anil Agrawal IIT,Hyderabad
10:30 – 11:00 AM	Tea / Coffee	-
11:00 – 12:30 PM	Design: Flexure, Shear & Torsion and Axial Forces	Prof. Surya Prakash IIT Hyderabad
12:30 – 01:15 PM	Detailing of RCC Structures	Prof. Surya Prakash IIT Hyderabad
01:15– 02:00 PM	Lunch	-
02:00 – 03:15 PM	Various Limit States and Loads & Stresses	Prof. CVR Murty IIT- Madras
03:15 -04:00 PM	Construction Aspects	Er. Vinay Gupta MD, TCPL, Delhi
04:00 – 04:30 PM	Tea / Coffee	-
04:30 – 06:00 PM	Panel Discussion (Moderater : Er. Vinay Gupta)	-

## PROGRAM HIGHLIGHTS

Discussions on feedback formally documented for consideration in the final draft of IS 456

## ORGANISING COMMITTEE



**Convenor**  
**Er Vinay Gupta**  
Chairman-Edu & Trg Committee , ICI



**Co-Convenor**  
**Dr Venkateswara Rao M.V**  
Chairman ICI Hyderabad Center



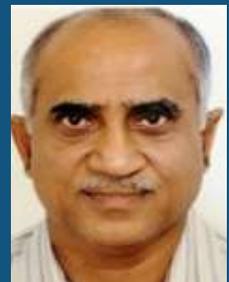
**Dr V.Ramachandra**  
President-ICI



**Er Manoj Kawalkar**  
President-Elect-ICI



**Er R. Radhakrishnan**  
Secretary General- ICI



**Dr R Nagendra**  
Vice-President (s), ICI

## SPEAKERS PROFILE



**Prof Mahesh Tandon**  
Chairman of Tandon Consultants Pvt Ltd

Prof. Mahesh Tandon is an internationally renowned expert in the field of Structural Engineering. Many of the structures designed by him and his firm, Tandon Consultants Pvt. Ltd., have received wide recognition and acclaim in India as well as internationally.

His work is characterized by the use of state-of-the-art technologies and advanced design and construction techniques. Known for being creative, futuristic, aesthetic, environmentally sensitive, and innovative, Prof. Tandon has also spearheaded the development of several codes of practice related to concrete and bridge structures in India



**Er. Vinay Gupta**  
Managing Director, M/s. Tandon Consultants Pvt. Ltd

He is a Civil Engineer from BITS, Pilani, Managing Director, M/S Tandon Consultants Pvt Ltd. Er Gupta over his 4 decades of rich experience specializes in bridges, flyovers, underground & elevated metro structures, precast & long span tall buildings.)

He is an active member of various Code Committees of BIS and IRC. He is recipient of several awards from IEI, IBC and UKIERI and the coveted S B Joshi Memorial Award 2019. He has been lecturing as Guest Faculty in IAHE, CRRI, CIDC, ISDA, DPC, etc. and presented about 100 technical papers. Er Vinay Gupta is all India Director General of IIBE (Indian Institution of Bridge Engineers) and Past President of ICI (Indian Concrete Institute)



**Dr Suhasini Madhekar**  
Professor, College of engineering Pune

Dr. Suhasini Madhekar retired as a Professor of Applied Mechanics after a distinguished tenure at the College of Engineering Pune (now COEP Technological University), where she served in the Civil Engineering Department.

She obtained her PhD from IIT Bombay with research on “Seismic Control of Benchmark Highway Bridges,” which was later published as a book by LAP LAMBERT Academic Publishing, Germany. Her academic career reflects significant contributions to teaching and research in the areas of structural dynamics and earthquake engineering.



### **Prof. Manu Santhanam**

**Professor, Department of Civil Engineering, IIT Madras**

He is a leading Indian materials and concrete technologist and a Professor in the Department of Civil Engineering at IIT Madras, where he also serves as the Dean of Industrial Consultancy and Sponsored Research (ICSR). With degrees from IIT Madras and Purdue University, he has built a distinguished career focused on cement chemistry, concrete durability, microstructural characterization, sustainable binders, and emerging technologies such as 3D-printed concrete.

His work bridges fundamental materials science with practical engineering, contributing significantly to infrastructure durability, innovative construction materials, and heritage-structure conservation. Widely published and active in national and international professional bodies, he has received numerous awards, including recognition from the Indian Concrete Institute and INAE, underscoring his strong impact on concrete technology research and education in India.



### **Prof. C.V.R. Murthy**

**Professor, Department of Civil Engineering, IIT Madras**

He is an internationally renowned professor in Earthquake Engineering, currently serving as Chairman of the Earthquake Engineering Sectional Committee (CED 39) of the Bureau of Indian Standards since 2020 and as a Member of the Advisory Committee of the National Disaster Management Authority since 2016.

He has also served as a Member of the Tamil Nadu State Disaster Management Authority (2013–2016) and as Editor-in-Chief of the World Housing Encyclopedia published by the Earthquake Engineering Research Institute (EERI), USA. His research focuses on nonlinear structural behaviour, displacement-based earthquake-resistant design, and seismic design codes, and he has authored 363 publications, establishing him as a leading authority in the field.



### **Dr. P. N. Ojha**

**Joint Director & Head, Centre for Construction Development & Research**

Dr. P. N. Ojha is a senior expert in cement, concrete, and construction materials with extensive experience in research and development. His areas of specialization include performance-based specifications, durability design, alternate and recycled aggregates, industrial by-products, and standardization of construction materials.

He has played a key role in the revision, formulation, and harmonization of Indian Standards with international codes and has contributed significantly to the revision of IS 456, bringing global best practices into national concrete design standards.



### **Dr Surya S. Prakash**

**Professor, Department of Civil Engineering, IIT-Hyderabad**

Prof. Surya S. Prakash is a Professor in the Department of Civil Engineering and holds a Ph.D. from the Missouri University of Science and Technology. His academic and research expertise lies in advanced concrete and structural systems.

His research interests include precast systems, prestressed concrete, structural concrete behavior, and structural strengthening. He also works on sensor-based technologies and design innovation, contributing to the development of efficient, resilient, and modern structural solutions.



### **Prof. Anil Agrawal**

**Associate Professor, Department of Civil Engineering, IIT Hyderabad**

He is an Associate Professor in the Department of Civil Engineering at IIT Hyderabad. His research focuses on the behaviour and design of structures under fire, impact, and earthquake loading, the development of fire-resistant structural solutions, and lightweight structural applications using FRP composites.

He completed his BTech and MTech at IIT Kanpur, where he contributed to the GSDMA project on revised earthquake design codes and commentaries. He earned his PhD from Purdue University in the area of structural fire engineering.



### **Er. Jose Kurian**

**Team Leader, CDM Smith India, consultant to Govt. of Kerala**

Principal Project Advisor to Kerala Infrastructure Investment Board (KIIFB), Government of Kerala Chairman, Civil Engineering Division Council, Bureau of Indian Standards. He is a former Central Engineering Services officer belonging, retired as Chief Engineer, from the Central Public Works Department, Government of India and later with the Delhi Tourism and Transportation Development Corporation, Government of Delhi. In addition, he is also a project advisor to several other institutions.

Till recently, he has been working as Team Leader, CDM Smith India, consultant to Govt. of Kerala for creating infrastructure for their Additional Skill Development Program (ASAP). He is the Chairman of the BIS Committee CED 2 on Cement and Concrete and also a member of the BIS committees for IS 456, the RCC Code, He is the Convener for the National Building Code Panel for Concrete. He is an active member of the BIS Panel for Construction Project Management and is the Convener for the Documents for Time Management and Procurement Management, heads the Panel on Digitalization of construction Sector



### **Er. Umesh Rajeshirke**

**Managing Director, Spectrum Techno-consultants P Ltd.**

Managing Director of Spectrum Techno Consultants Pvt Ltd, has over 30 years of experience in the Planning & Design of Bridges, Flyovers, Large Span Steel Structures, Marine facilities, Prestressed and Reinforced Concrete Structures, Shell Structures. He graduated from VJTI, Mumbai in 1987 and did his masters from IIT, Madras in 1991.

He was involved in design of many prestigious structures like Cable stayed bridges on Rivers Mahi, Mapusa, Ambura, Bhopal, Patna, Vadodara etc, number of Precast segmental bridges, Metro rail viaducts.

He is a member of various BIS and IRC committees and published number of papers in national & international conferences and journals. he is recipient of National Design Award for Prestressed Concrete structures for his contribution in this field from the Institution of Engineers (India).

**DELEGATES REGISTRATION**

CATEGORY	Course Fee + Temporary Membership Fee	GST (18%)	TOTAL PAYABLE
ICI Members	₹4,000/-	₹720/-	₹4,720/-
Non-Members of ICI	₹4500/- + ₹500/-	₹900/-	₹5,900/-
ICI Student Members	₹2,000/-	₹360/-	₹2,360/-
Faculty /PhD Student	₹2700/-+₹300/-	₹540/-	₹3,540/-
B.Tech/ M.Tech non-ICI	₹2200/-+₹300/-	₹ 450/-	₹ 2950/-

**SPONSORSHIP DETAILS**

DELIVERABLES	PLATINUM	GOLD	SILVER
<b>Cost per Sponsor</b>	<b>₹3 Lakhs</b>	<b>₹2 Lakhs</b>	<b>₹1 Lakh</b>
Company Name & Logo on Backdrop	✓	✓	✓
Material Inserts in Conference Kit	✓	✓	✓
Social Media Branding	✓	✓	✓
Standees at Strategic Locations	6 Nos.	4 Nos.	4 Nos.
Presentation Slot	10 min	5 min	—
Exhibition Stall at Venue (3 m × 3 m)	✓	✓	—
Complimentary Delegate Registrations	10	5	2

## PAYMENT DETAILS

Please Use Block letters and strike out whichever is not Applicable

Name (in Block Letters) .....

Organization .....

Address .....

..... City .....

Pin ..... State ..... Country ..... Telephone .....

(R) ..... Mobile ..... Fax .....

Email .....

Membership Number ( For ICI members only ) .....

Mandatory for Registration Payments Note : GST shall be additional . Charges incurred from bank transfer will be borne by payee. Kindly Attach the scan copy of remittance slip/MT100/BANK advice if paying through bank transfer.

Registration Payment Link :

[\(https://icihyd.org/event/interactive-ici-workshop-on-new-is-456-draft/\)](https://icihyd.org/event/interactive-ici-workshop-on-new-is-456-draft/)

For Bank Transfer

Account Name : Indian Concrete Institute, Hyderabad Center

Account Number : 75780200001865

RTGS / NEFT / ECS / DBT

Bank Name : Bank of Baroda

Branch Name : Film Nagar Branch, Hyderabad

IFSC Code : BARB0VIJUBI (5th letter is Zero)



## FOR ROOM BOOKING

Hotel The Plaza ,Begumpet

Address: Tourism Plaza, Begumpet, Beside of CM Camp Office, Begumpet, Hyderabad,  
Telangana 500016

Costs : Twin room @ Rs.4,500/- per night

## FOR EXHIBITION STALLS

Cost : Rs.50,000/- + GST 18% = Rs.59,000/-

Size of the stall: 10' x 10' x 8'

## ICI-HYDC -OFFICE BEARERS

Dr (Ar) Venkateswara Rao M.V.  
Chairman , ICI -Hyderabad

Er N Niharika  
Secretary, ICI\_hyderabad

Er. N. Mavul Rao  
Treasurer-ICI-Hyderabad

## EXECUTIVE COMMITTEE

Prof. Dr. K. Jagannadha Rao

Ar. D.V. Narasimha Raju

Dr. Sidam Gangaram

Er. Shamsundar Mouray

Er. K Rajkumar

