

## MESSAGE FROM THE PRESIDENT



Dear Friends,

Greetings!!

I am happy to share with you that the new Governing Council has finalized the office bearers and technical committees for taking up various activities.

I am very happy to present to you the Newsletter of June 2023. You shall be happy to know that IAStructE is very actively engaged in conducting technical lectures, webinars, and publication of newsletters, CROSFALL & Structural Engineering Digest. All these activities have very rich technical content & are being appreciated by the fraternity. You may find details of such activities & publications in this newsletter and on our website.

Structural Engineering Digest (SED) April-June 2023 issue dedicated to the theme of "Liquid Retaining Structures" will be released shortly. The fourth issue of CROSFALL is getting ready and will be released soon. You may contribute any case study on structural failure or description of a near-miss case for publication in future issues. As you know, the identity of the reporter and the project will be kept confidential. It is purely for learning purposes. Our various technical committees are working hard to bring of technical documents relevant to the structural engineering fraternity.

A panel discussion on draft IS 1893 (part 1) was recently organized. Panel discussion on draft IS 1893 (Part 2) is proposed on 1 July 2023. The second session of the Orientation programme related to the newly launched scheme, 'Accredited Structural Engineer IAStructE' was organized recently. I urge you to spread the word about it and encourage engineers to apply for accreditation.

Please send your feedback on our activities and suggestions for further improvements.

Best regards,

*Ramachandran*

Prof. R. Pradeep Kumar  
President-IAStructE

## FROM THE EDITOR'S DESK



Dear Readers,

We are pleased to present this month's newsletter, which includes important updates and announcements. Firstly, we would like to introduce the new members of the GC (Governing Council) who have joined us. Their valuable contributions and insights will undoubtedly enhance our community's growth and development. Furthermore, we would like to congratulate and welcome the new office bearers who have assumed their roles for the term 2023-25. Their dedication and leadership will guide us towards achieving our collective goals. In this newsletter, you will also find information about our regular knowledge dissemination activities, which aim to provide valuable insights and resources to our community members. We encourage you to take advantage of these opportunities to expand your knowledge and stay updated with the latest developments in our field.

We sincerely thank you for being a part of our community and for your continued support. We are committed to serving you and ensuring that your experience remains enriching and fulfilling in the months ahead.

Thanks & Regards,

*Visalakshi Talakokula*

Prof. Visalakshi Talakokula

## CONTENTS

IAStructE Office Bearer & Committees	-2
Online Events	-2-4
Forthcoming Events	-4
Message from Social Media Committee	-4
Call for papers for CROSFALL	-5
Call for Papers for the SED journal	-5
Advertisement Tariff	-6
IAStructE Publications	-6-7
ASE-IAStructE	-8
IAStructE Library	-8
About IAStructE	-9
Membership Benefits	-9
How to become a member?	-9
Advertisement	-10

### **IAStructE Office Bearers, GC Members & Committees (2023-2025):**

During the 19th AGM Prof. R. Pradeep Kumar, President IAStructE authorized to select the office bearers. The following office bearers were appointed on during the 103 GC meeting.

#### **Office Bearers**

<b>Designation</b>	<b>Members</b>	<b>Location</b>
President	Dr. R. Pradeep Kumar	Roorkee
Honorary Secretary	Dr. (Ms) Shilpa Pal	Delhi
Honorary Treasurer	Mr. Partha Banerjee	Noida
VP - Northern Region	Ms. Sangeeta Wij	Delhi
VP - Southern Region	Prof. Talakokula Visalakshi	Hyderabad
VP - Eastern Region	Mr. Anirban Sengupta	Kolkata
VP - Western Region	Mr. V. N. Heggade	Mumbai

#### **Ex-officio member**

Immediate Past President	Mr. Manoj Mittal	Noida
--------------------------	------------------	-------

#### **Members**

1	Dr. Anal Sheth (Ahmedabad)	11	Dr. Kalyan Kumar Ganguly (Kolkata)
2	Mr. Alok Bhowmick (Noida)	12	Prof. Mahesh Tandon (Delhi)
3	Dr. Anil Joseph (Kochi)	13	Mr. Raj Kumar Kacharla (Hyderabad)
4	Mr. Chandan Ghosh (Howrah)	14	Dr. S. P. Anchuri (Hyderabad)
5	Dr. Deepak Bansal (Delhi)	15	Dr. Sushil Kumar Dhawan (Delhi)
6	Dr. Dulal Goldar (Delhi)	16	Prof Prem Krishna (Gurugram)
7	Dr. Gaurav Rastogi (Meerut)	17	Mr. Rajiv Ahuja (Gurugram)
8	Dr. Harshavardhan Subbarao (Mumbai)	18	Mr. Umesh K. Rajeshirke (Mumbai)
9	Mr. I. S. Chauhan (Gurugram)	19	Mr. Sandeep Pattiwar (Mumbai)
10	Mr. Kalyan Brata Roy (Howrah)		

The following committees were constituted for the term, 2023-25.

<b>Committees</b>	<b>Name</b>	<b>Location</b>
Awards Committee	Mr. Manoj Mittal	Noida
Building Committee	Mr. I. S. Chauhan	Gurugram
International Collaborations	Dr. Harshavardhan Subbarao	Mumbai
Membership & Outreach	Dr. S. P. Anchuri	Hyderabad
Professional Development & Technical Events	Prof. R. Pradeep Kumar	Roorkee
Professional Issues	Mr. Alok Bhowmick	Noida
Professional Accreditation	Prof. Prem Krishna	Gurugram
Publications	Mr. Alok Bhowmick	Noida
Student's Affairs	Dr. Anal Sheth	Gujarat

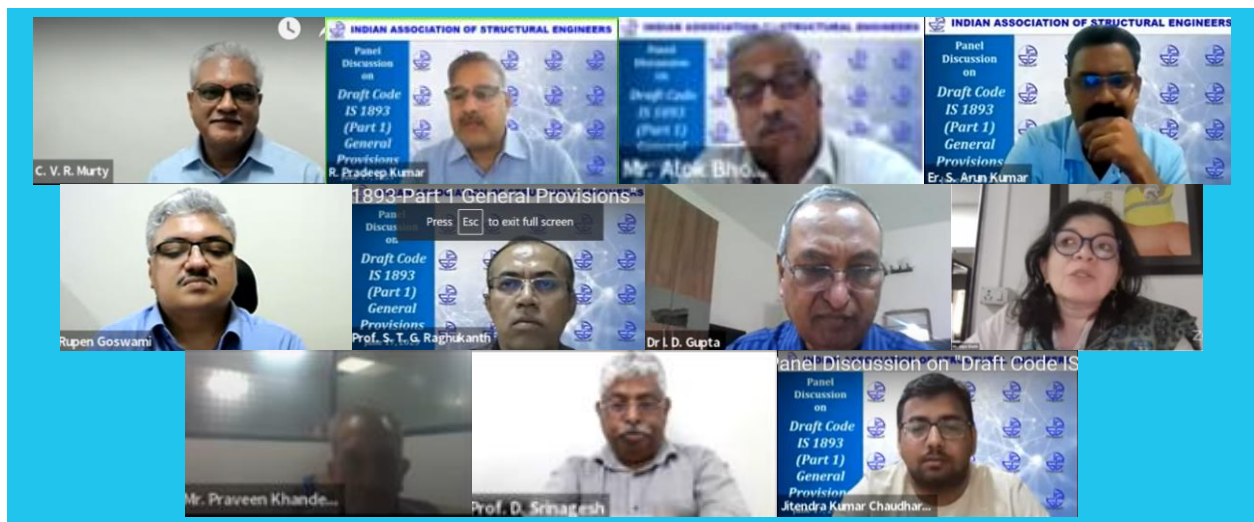
## **Online Events:**

### **Online Panel Discussion on Draft Code IS 1893- Part 1**

An online Panel Discussion on Draft Code IS 1893- Part 1 was organized on 17th June 2023. The distinguished speaker and distinguished panelists were welcomed to the discussion on the proposed modification of IS 1893 by Dr. R Pradeep Kumar, President IAStructE, and Mr. Alok Bhowmick, Past President IAStructE. The key note presentation on draft Code IS 1893-Part 1: General Provision was given by Prof. C. V. R. Murty. The standard amendment that has been suggested, according to Mr. Bhowmick, is a quantum leap and includes numerous important adjustments. The workshop's objectives were to give structural engineers greater information about the revisions that were being considered as well as to solicit their valuable suggestions for expanding the standard. The presentation was followed by a panel discussion where panelists addressed the questions raised by the participants. Following were the eminent panelist:

- Dr. CVR Murty, Chairman (CED39 Committee)
- Mr. S Arun Kumar, Head (BIS)
- Dr. Rupen Goswami, Professor (IIT Madras)
- Dr. I D Gupta, former Director (CWPRS Pune)
- Prof. Raghukanth, Professor (IIT Madras)
- Mr. Praveen Khandelwal (NTPC)
- Ms. Alpa Sheth, MD (VMS Consultants Pvt. Ltd.)
- Prof. D Srinagesh, Professor (IIT Madras)
- Mr. Jitendra Chaudhary, Member Secretary – CED 39, BIS

YouTube link: <https://www.youtube.com/live/tiSK666n-kc>



*Fig.1 Glimpses from panel discussion*

### **Second session of Orientation programme related to scheme for Accredited Structural Engineer—IAStructE**

The second session on **"IPD Form: How to Fill it out as per the 12 Key Attributes"** of the series of an orientation programme related to scheme for Accredited Structural Engineer-IAStructE was organized on 21 June 2023. The presentation was made by Er. Umesh Rajeshirke, Fellow IAStructE & MD - Spectrum Techno Consultants Pvt. Ltd. The session was moderated by Prof. Prem Krishna,

Chairman, Professional Accreditation Committee & GC member IAStructE. The following were the panelists who had addressed the questions raised by the participants.

- Prof. R. Pradeep Kumar, President, IAStructE
- Er. Manoj Mittal, Imm. Past President, IAStructE
- Er. Alok Bhowmick, Past President, IAStructE
- Er. Abhijeet Kulkarni, FIAStructE & Project Principal & Country Director – Structures, Buro Happold

YouTube link: <https://www.youtube.com/live/ATUgE4moyrw>



Fig.2 Glimpses from the webinar

## Forthcoming Events:

Event	Topic	Speaker	Date & Timing
Online Lecture	Modeling the Dynamics of Tall Buildings Under Winds  Registration Links: <a href="https://us02web.zoom.us/webinar/register/WN_ZBvTRqH7QYeFnNyu0RZUQA">https://us02web.zoom.us/webinar/register/WN_ZBvTRqH7QYeFnNyu0RZUQA</a>	Prof. Ahsan Kareem, Prof. of Engg., Director, NatHaz Modeling Laboratory, USA	07 July 2023 at 05:30 PM

## Message from IAStructE Social Media & Digitization Committee

Let's get "*****DIGITIZED*****"

With all new look of our website and media handles, please follow us on all major media platforms. For joining us, below mentioned links to be pasted in browser. Let's join hands together to promote the profession of Civil Engineering.

1. on **TWITTER** as **IAStructE**: - <https://twitter.com/iastructe>
2. on **Facebook** as **IAStructE**: - <https://www.facebook.com/IAStructE-100114022302316>
3. on **LinkedIn**: - The group is defined as Indian Association of Structural Engineers-IAStructE  
<https://www.linkedin.com/groups/6646248/>
4. on **YouTube** as **IAStructE Webinar**: - Subscribe and press bell icon  
[https://www.youtube.com/channel/UCvv7ojXO9Dxq1WtP\\_yHZTKw](https://www.youtube.com/channel/UCvv7ojXO9Dxq1WtP_yHZTKw)



### ***Call for papers for CROSFALL:***

CROSFALL is a newsletter created by Indian Association of Structural Engineers (IAStructE). Its purpose is to share lessons learnt from structural failures, near-misses and safety concerns. CROSFALL is greatly encouraged and inspired by CROSS (Confidential Reporting on Structural Safety), UK, which is a collaborative effort of three institutions (IStructE, ICE and IFE). **There is however no connection between CROSFALL-IAStructE and CROSS-UK**

CROSFALL Editorial Board invites reports for the forthcoming issues. Interested candidates can send the reports about structural safety issues related to all types of structures (i.e. buildings, bridges, tunnels, industrial structures etc.) in the built environment. The reporting can be related to:

- *Structural failures,*
- *Poor Design and Detailing, Lack of Seismic Safety in planning*
- *Safety concerns about high risk erection schemes at Site*
- *Safety concerns on Temporary Works*
- *Near misses, or observations relating to procedures followed at site, which may lead to failures or collapses.*

Reports do not have to be about current activities so long as they are relevant. Small scale events are equally important - they can be the precursors to more major failures. Report might relate to a specific experience or it could be based on a series of experiences indicating a trend. No concern is too small to be reported and conversely nothing is too large. Reports should aim to include information that will help others to learn from the safety issue identified.

To submit the report please go through the following link: [www.iastructe.co.in/crosfall.php](http://www.iastructe.co.in/crosfall.php)

### ***Call for papers for the theme based issue of SED journal:***

SED Editorial Board invites papers/ case studies for the forthcoming issue of the Structural Engineering Digest on the theme “**Structural Safety Audit**” for the July-September 2023 issue. Mr. Manoj Mittal, Immediate Past President will be the guest editor.

Interested professionals/ academicians/ researchers may send abstracts latest by 20<sup>th</sup> July 2023 or at the earliest convenience. You may also send intention to contribute prior to abstract through email by 10<sup>th</sup> of July.

Interested authors/contributors may kindly mail to [iastructe@gmail.com](mailto:iastructe@gmail.com) regarding i) Broad guidelines and areas of coverage; ii) size of the article; iii) format of paper submission. As per the laid down procedures all the Papers shall be published after peer review & approval of SED editorial board. Being a member of IAStructE is not necessary for publishing in SED. Papers may be in the form of case studies, new research, opinion, experiences and on policy.

### Advertisement Tariffs:

**Structural Engineering Digest (being published in PDF format)**

	Rates Per issue	Discounted rate at 20% for 4 consecutive issues	Advertisement Size
Full Page	Rs. 20,000/-+ 18% GST	Rs 64,000/- + 18% GST	9.5 inch x 7 inch

**IAStructE Monthly Newsletter (being published in PDF format)**

	Rates for advertisement	Advertisement Size
Full Page	Rs. 10,000 per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking	9.5 inch x 7 inch
Half Page	Rs. 7,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking.	4.75 inch x 7 inch
1/8th of a Page	Rs. Rs. 2,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half-yearly, and 30% rebate for yearly bookings. (Only for IAStructE Members)	Standard size of Business Card

### IAStructE Publications:

**1. Commentary with Worked Examples for IRC: 6-2017:** It is a document having commentary with worked example on IRC: 6-2017 (The code for Loads & Load Combinations for design of Highway Bridges). This commentary is in two separate volumes. Volume-1 pertains to the Commentary while Volume-2 pertains to Illustrative Worked Examples. It has 48 worked examples demonstrating application of various codal clauses

IAStructE/TD-CC/2020/02	IAStructE/TD-CC/2020/01
<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES SECTION II : LOADS &amp; LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 2 OF 2 : ILLUSTRATIVE WORKED EXAMPLE</p>	<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES SECTION II : LOADS &amp; LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 1 OF 2 : COMMENTARY</p>

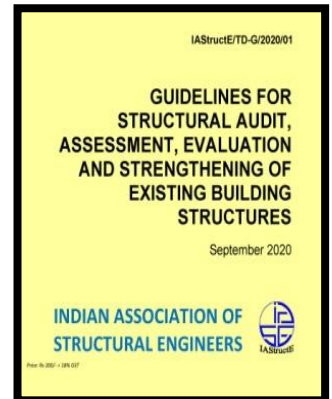
It's a priced document and hence not freely downloadable.

The documents are available for sale @ Rs. 1200/- for Volume 1, and @ Rs. 800/- for Volume II. Members of IAStructE and IRC will be entitled for a discount of 10% on this amount. Interested

professionals who wish to purchase the commentary may kindly register with the following link or contact IAStructE Secretariat at [iastructe@gmail.com](mailto:iastructe@gmail.com)

Registration link: <http://iastructe.co.in/new-iastructe-publication.php>.

**2. Guidelines for Structural Audit, Assessment, Evaluation and Strengthening of Existing buildings Structures:** This document will guide structural engineers in proper assessment of building structures before issuing structural stability certificate. These guidelines may be used by IAStructE members, all other structural engineers, house owners, housing society welfare associations, clients and corporation engineers for understanding structural audit of the private and public building structures. The Guideline focuses on the urgent need to strengthen risk resilience of buildings from any kind of risks due to earthquake and other hazards. It is hoped that this document will be useful to ensure that all structures across the country remain safe from any kind of disaster risk.



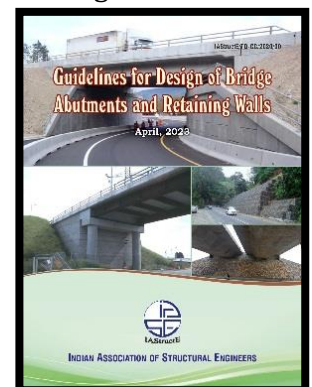
It's a priced document and hence not freely downloadable.

The price of this e-document is Rs 200/-. Interested professionals, who wish to obtain the soft version of the Guideline in pdf format, may register with the following link. Registration Link: <http://iastructe.co.in/guidelines-for-structural-audit.php>

**3. Commentary on IS: 13920:** The commentary is available on [www.iastructe.co.in](http://www.iastructe.co.in) under IAStructE Professional Documents. IAStructE member can access this document after login.

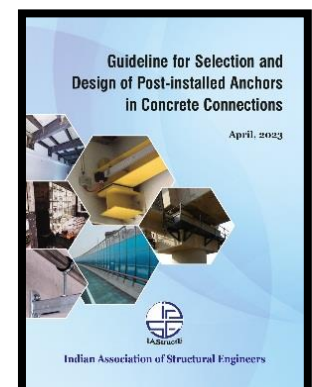
**4. Commentary on IS: 1893 Part 1:** The commentary is available on [www.iastructe.co.in](http://www.iastructe.co.in) under IAStructE Professional Documents. IAStructE member can access this document after login.

**5. Guidelines for Design of Bridge Abutments and Retaining Walls:** This document will assist practicing bridge and structural engineers in building confidence in the design of these structures, which offers tools for the design of economic and innovative retaining structures. The document is rich in theoretical explanations and draws on much experience of the authors. Worked examples further illustrate the application of the applicable codes and should promote better understanding.



The document is available for sale @ Rs. 1500/-. Interested professionals who wish to purchase this document may kindly contact IAStructE Secretariat at [iastructe@gmail.com](mailto:iastructe@gmail.com)

**6. Guideline for Selection and Design of Post-installed Anchors in Concrete Connections:** In this document, only post-installed anchors are covered including their types, behaviour and working principles, failure modes, basic design steps for non-seismic and seismic situations. A few illustrative design examples too are presented for better understanding of design methodology. This document is now available on [www.iastructe.co.in](http://www.iastructe.co.in) under IAStructE Professional Documents. IAStructE member can access this document after login.



## **Accredited Structural Engineers (ASE – IAStructE)**

The IAStructE program for Accreditation as Accredited Structural Engineers (ASE – IAStructE) is suitable for practicing structural engineers who have experience in the structural design field and have a good understanding of applicable design codes/standards in India.

This accreditation will help Structural Engineers in India to set a benchmark of proven professional & technical excellence and raise the levels of structural engineering practice in the Country. The entire program would be on the basis of a two-stage process consisting of an interview for the assessment of Initial Professional Development (IPD) followed by a written examination based on actual problem-solving. Applicants have to demonstrate their competence in the designated 12 key attributes on which they will be assessed during the interview. The applicant would then require to clear the examination by answering any single chosen question from the options given in the question paper with a minimum level of marks stipulated. Both stages are mandatory to clear the assessment process and thus to get recognition.

An Accredited Structural Engineer – IAStructE is someone who wishes to:

- validate their comprehensive experience and understanding of all types of structural engineering work and managerial capabilities
- demonstrate their competence on the basis of IPD and Continuous Professional Development activities in the field

Details of the application and assessment requirements, fees, and available dates can be consulted in the relevant fields given in the tabs below. They summarize the general application process, the assessment requirements, and the steps needed to qualify for the ASE-IAStructE accreditation.

The complete information about the entire process along with the application form and annexures can also be obtained from a booklet, which can be downloaded from the following link: <https://www.iastructe.co.in/ase-iastructe-accreditation.php>

This assessment process will be held bi-annually, being initiated in January & July respectively.

## **IAStructE Library**

IAStructE has set up a library at K-69 A, Basement Kalkaji, New Delhi. It has a collection of good technical books and journals related to civil & structural engineering. Members staying in the vicinity are encouraged to utilize this facility, and if you want to contribute your books and journal to the library you are always welcomed.



*IAStructE Library*



## About IAStructE

Indian Association of Structural Engineers (IAStructE) is the national apex body of structural engineers in India established with the objective to cater to the overall professional needs of structural engineers. The association has become the source of expertise and information concerning all issues that involve structural engineering and public safety within the built environment. It has no commercial aim or objective. IAStructE is purely a professional learned society with the prime objective of supporting and protecting the profession of structural engineering by upholding professional standards and acting as a mouthpiece for structural engineers. IAStructE endeavors to ensure that its members develop the necessary skill in structural engineering and work to the highest standards by maintaining a commitment to professional ethics and standards within structural engineering. IAStructE strives for continued technical excellence; advancing safety and innovation across the built environment. It also strives to make available to the Government, Public Sector and Private Sector - a credible source of well qualified and experienced Structural Engineers. A nationwide database of Structural Engineers has been compiled and is being constantly updated. IAStructE undertakes a broad range of technical activities which are aimed at information sharing and capacity building. The association provides opportunity for all the members to develop various skills in structural engineering and helps members to be at the forefront of structural engineering practice. Towards achievement of its aims and objectives, IAStructE is engaged in organizing the following: CPD Courses for Professionals at all levels Refresher Courses for Fresh Graduate Engineers, Student's orientation program, Seminars/Workshops, Technical Lectures by Experts, Technical Discussions on Contentious Issues. IAStructE is currently operating from four regional centers. These regional centres located in the Eastern, Western, Northern and Southern parts of the country effectively cater to the professional needs of members residing/practicing all over the country.

## Membership Benefits

Membership of IAStructE is a sought after professional accreditation. Your membership of IAStructE can help you enhance your intellectual, academic, technical and professional status. It provides inter connectivity to the fellow professionals and the fraternity. Some of the benefits of membership is provided below:

- ★ Complimentary magazine subscription: All members (except Student Members) receive a complimentary subscription to the Institution's flagship publication 'Structural Engineering Digest' (SED). Published quarterly, each issue allows members to remain connected to the association through the provision of technical papers, Industry and Institution News, Featured articles, Professional Guidance on everyday matters affecting the practicing structural engineers.
- ★ Access to the professional documents
- ★ Access to all Technical Lectures, organized every month, at no charge
- ★ Access to Technical Discussions held regularly
- ★ Access to the association's library (Including e-library)
- ★ Discounts in attending Seminars and Workshops organized by the association
- ★ Full on-line access to the current volume and entire e-archive of journal "Structural Engineering Digest (SED)", Refresher Course Materials, Technical Lectures, E-Newsletters and other Technical Resources of the Association.
- ★ Opportunity to network with professional structural engineers of eminence and to meet potential employers in the association.
- ★ Opportunities for professional development

## How to become a member?

Membership form and details are available at <https://www.iastructe.co.in/membership-grades.php>; for more information and other details contact the Indian Association of Structural Engineers Secretariat.

**Indian Association of Structural Engineers**

**K-69A, Basement, Kalkaji, New Delhi 110019**

**Tel: (011) 45794829; Email: [iastructe@gmail.com](mailto:iastructe@gmail.com); Website: [www.iastructe.co.in](http://www.iastructe.co.in)**

**YOUR REPUTATION  
IS INVALUABLE,  
BUILD IT WITH  
INDIA'S NO.1 RMC**



To know more about  
the entire range of  
Very Amazing Concrete,  
scan the QR Code

**Toll free number: 1800 210 3311**

'UltraTech, India's No.1 RMC' - visit [ultratechcement.com](http://ultratechcement.com) for claim details.