

MESSAGE FROM THE PRESIDENT



Dear Friends,

Greetings!!

I am happy to share with you that IAStructE has completed the process of elections for the new Governing Council for the term 2023-25. New Governing Council took over and now we are in the process of finalizing the office bearers and technical committees for taking up various activities.

I am very happy to present to you the Newsletter of May 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) Jan-Mar 2023 issue dedicated to the theme of "Structural Engineering for Sustainable Development" has been released. Three issues of CROSFALL has been released. You may contribute any structural failure for publication in future issues. As you know identity of the reporter and the project is not disclosed. It is purely for learning purposes. Two more guidelines "Guidelines for design of Bridge abutments & Retaining walls" and "Guidelines for selection & Design of post-installed anchors for concrete connections" have also been published. I hope they will be quite useful to Civil & Structural Engineers.

As mentioned earlier a new program of accreditation of engineers as 'Accredited Structural Engineer IAStructE' has been launched on the first January 2023. It is expected to raise the standards of structural engineering practice in the country. I urge you to spread the word about it and encourage engineers to apply.

I encourage you to send your feedback on our activities and suggestions for further improvements.

Ramachand

Prof. R. Pradeep Kumar
President-IAStructE

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19th Annual General Meeting

The 19th Annual General Meeting of Indian Association of Structural Engineers was held on 08 May 2023 online through Zoom app. During which the Annual Report for the FY 2021-22 & FY 2022-23 and Audited Account for the year ended 31st March 2022 were adopted. Auditors for the ensuing year 2022-23 were also the same as the previous one. During the Annual General Meeting, Dr. R. Pradeep Kumar, Director, CSIR-Central Building Research Institute (CBRI), Roorkee, was unanimously elected as the new President of IAStructE. The new elected Governing Council was also installed for the term 2023-25. President was authorised to choose the remaining office bearers. New Governing Council is as under:

President	Dr. R. Pradeep Kumar	Director, CSIR-Central Building Research Institute (CBRI), Roorkee	Roorkee
Imm. Past President:	Mr. Manoj Mittal	Civil / Structural Engg. Consultant, Shelter Consulting Engineers	Noida
Elected GC Members			
1	Dr. (Mrs.) Anal Sheth	Head, Research and Development, FUJI Silvertch Concrete Pvt. Ltd.	Ahmedabad
2	Mr. Alok Bhowmick	MD, B&S Engg. Consultants Pvt. Ltd.	Noida
3	Dr. Anil Joseph	MD, Geostructurals Pvt. Ltd.	Kochi
4	Mr. Anirban Sengupta	Senior Vice President (Technical Quality) & Chief Technical Officer, Assystem Stup	Kolkata
5	Mr. Chandan Ghosh	Independent Structural Engineer	Howrah (WB)
6	Dr. Deepak Bansal	Joint General Manager (Projects), HUDCO	Delhi
7	Dr. Dulal Goldar	Principal (Retd.), Delhi College of Engg.	Delhi
8	Dr. Gaurav Rastogi	MD, Ethereal Engineers Pvt. Ltd., Proprietor – Gaurav & Associates	Meerut (UP)
9	Dr. Harshavardhan Subbarao	Chairman & MD, Construma Consultancy Pvt. Ltd.	Mumbai
10	Mr. I. S. Chauhan	Independent Structural Consultant	Gurugram
11	Mr. Kalyan Brata Roy	Proprietor, K Roy & Associate	Howrah (WB)
12	Dr. Kalyan Kumar Ganguly	Advisor, Development Consultants Pvt. Ltd.	Kolkata
13	Prof. Mahesh Tandon	Chairman, Tandon Consultants Pvt. Ltd.	Delhi
14	Mr. Partha Pratim Banerjee	HOD (Civil & Structures), Ayesa India Pvt. Ltd.	Noida
15	Mr. Raj Kumar Kacharla	Partner/Director, Dharmataru Consultants	Hyderabad
16	Dr. S. P. Anchuri	Chief Consultant, Anchuri & Anchuri	Hyderabad

17	Mrs. Sangeeta Wij	Managing Partner, SD Engineering Consultants	Delhi
18	Dr. (Mrs.) Shilpa Pal	Associate Professor Department of Civil Engineering, Delhi Technological University	Delhi
19	Dr. Sushil Kumar Dhawan	Former Chief Engineer , CPWD,	Delhi
20	Mr. V. N. Heggade	Former CEO, STUP Consultants & founder of DECon Complete Solutions	Mumbai
21	Dr. (Mrs.) Visalakshi Talakokula	Professor, Mahindra University	Hyderabad

Online Events:

1. Online webinar on “Road map to Carbon Neutrality in Built Environment for India”

An online webinar on "Road map to Carbon Neutrality in Built Environment For India" by Mr. V. N. Heggade, FNAE, Design & Construction Consultant - DECon Complete Solutions & GC member IAStructE was organized on 25 May 2023. Dr. R. Pradeep Kumar, President, IAStructE gave the opening remarks. It was moderated by Mr. Alok Bhowmick, FNAE, MD-B&S Engineering Consultants Pvt. Ltd. & Past President, IAStructE. Mr. Abhijeet Kulkarni, Partner & Director – Structures Burohappold were the panelist of the webinar.

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



Fig. 1 Glimpses from the webinar

2. An orientation on Accredited Structural Engineer-IAStructE - 1st Session

An online orientation program related to scheme for Accredited Structural Engineer Program by Er. Abhijeet Kulkarni, Fellow, IAStructE was organized on May 04, 2023. It was moderated by Prof. Prem Krishna, Professor (Retd.), IIT, Roorkee & Fellow, IAStructE. Mr. Umesh Rajeshirke, MD, Spectrum Techno Consultants Pvt. Ltd., Fellow, IAStructE was the panelist during the session. The first session was emphasis on the "Key Attributes & their Implications" of this program.

YouTube link to watch the webinar: <https://www.youtube.com/live/KkVCEOIXbeo>



Fig. 2 Glimpses from orientation session

New Members:

“Fellow” Grade

M/S No	Name	Designation, Organization	City
F541	Mr. Praveen Kumar Rai	VP & HEAD - EDRS (PAF SGB), L & T Construction	New Delhi
F542	Mr. Amit D. Ralkar	Bridge Design Specialist at STUP Consultants Pvt. Ltd.	Thane

“Member” Grade

M/S No	Name	Designation, Organization	City
M361	Mr. Sachin Kumar Agarwal	Structural Engineer, Black & Veatch Consulting Private Ltd.	Thane
M362	Mohd. Azam	Deputy Manager-Design at Shanghai Tunnel Engineering Co. Ltd.	New Delhi
M363	Mr. Umesh N. G.	Assistant Executive Engineer at Karnataka PWD	Bangalore
M364	Mr. Tushar	Civil (Structural) Engineer at Ayesa India Pvt. Ltd.	Noida
M365	Mr. Ravi Sachdeva	Senior Structural Engineer at AYESA, Noida	New Delhi

“Associate Member” Grade

M/S No	Name	Designation, Organization	City
AM430	Mr. Surajkumar Rajesh Gupta	Assistant Manager at Geo Chem Lab Pvt. Ltd. (Cotecna Group)	Maharashtra
AM431	Mr. Dhandayudapani Gurumoorthy	Deputy Team leader at GOPA INTEC, Bangladesh	Chennai

“Student Member” Grade

1 student: Ballarpur Institute of Technology

1 student: University Of Visvesvaraya College Of Engineering

1 student: NSUT, Delhi

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

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

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

SED Editorial Board invites article contributions for the forthcoming issue of the Structural Engineering Digest on the following theme, which shall be published in e-book format. Details are as under:

- ★ **April – June 2023 issue:** Theme: Liquid Retaining Structures
Guest Editor: Mr. L. K. Jain

Interested professionals may send their full paper on the above issue along with their photograph and brief resume latest by 10 June 2023 or at the earliest convenience. Articles are invited from i) Members of IAStructE; ii) Specialists in the field even though they are not members of IAStructE.

Interested authors/contributors may kindly mail to iastructe@gmail.com regarding i) Broad guidelines on areas of coverage; ii) size of the article; iii) format of paper submission. As per the laid down procedures all the papers shall be sent to the referee for review and the comments will be informed to the authors for incorporating the same. Papers shall be published after peer review & approval of SED editorial board.

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. 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 & 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 & LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 1 OF 2 : COMMENTARY</p>

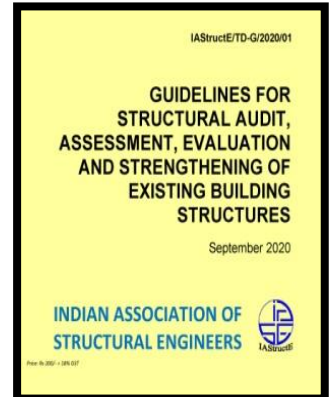
It's a priced document and hence not freely downloadable.

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

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.



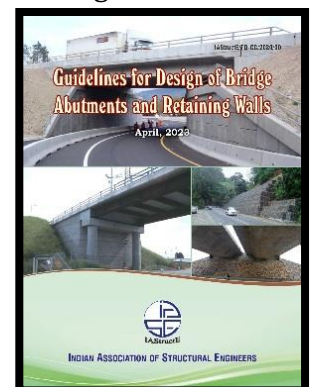
It's a priced document and hence not freely downloadable.

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 under IAStructE Professional Documents. IAStructE member can access this document after login.

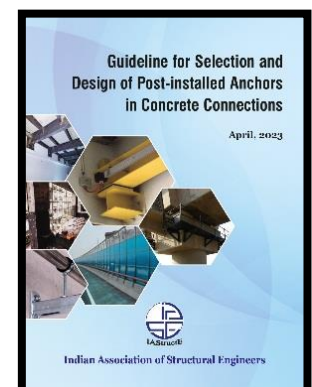
4. Commentary on IS: 1893 Part 1: The commentary is available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.

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/-. Members of IAStructE will be entitled for a discount of 10% on this amount. Interested professionals who wish to purchase this document may kindly contact IAStructE Secretariat at 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, behavior and working principles, failure modes, and 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 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

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