



Creating Value Ethically for Engineers

FROM THE PRESIDENT'S DESK



Dear Members and Friends,

After September, a month filled with professional activities, October had comparatively lesser activities on account of festivals - Durga Puja and Dussehra. However, in October, the country witnessed another natural calamity. Heavy rains caused the glacial South Lhonak lake in Sikkim to breach its banks, causing a glacial lake outburst flood on the 4th October 2023. The flood waters reached the Teesta III Dam at Chungthang at midnight and before the gates could be opened, the dam was destroyed in minutes. Downstream roads, bridges and other infrastructure were also damaged or destroyed. The recurrences of cloudbursts, heavy rainfall, and glacial outbursts have been the result of climate change and are resulting in extensive damage to public and private properties and adversely affecting the economy of the hill states.

These occurrences have thrown a challenge to the researchers - scientists, engineers, et al. to evolve suitable standards for design, construction, and maintenance of structures, which can withstand the loads and stresses caused due to unprecedented climatic outbursts. CEAI's team of experts has planned a visit to the state to help the state authorities in the restorations works and also evolve a strategy for handling such situations in future.

On another major matter, CEAI has been pursuing through representations and meetings with the concerned authorities for modifying the Request for Proposals (RFPs) for Detailed Project Reports (DPRs) of highway projects. After working for over six

IN THIS

ISSUE

WEBINAR ON "ENGINEERING SUSTAINABILITY & REHABILITATION OF BRIDGES AND STRUCTURES"

FROM DIRECTOR'S DESK

VIEWPOINT

FIDIC PUBLICATIONS

CEAI ONLINE CHIT CHAT SESSION

FIDIC TRAINING

months, the Ministry of Road Transport and Highways has come out with a draft indicating a number of major amendments to the RFP. While some issues have been addressed, many more remain. CEAI has resubmitted suggestions for the consideration of the Authorities and will be pursuing them further.

To address the concerns of the Authorities vis-à-vis the quality of DPR's, CEAI will be holding a two-day Seminar on ***"Improving Quality of Design and Construction for Highway Projects"*** on 9th and 10th January 2024 in New Delhi. The intent is to bring Consulting Engineers, Contractors, Concessionaires, and Project Authorities on the same wavelength, to share their experiences and suggest ways of improving the quality. The details for the seminar will be issued shortly.

I request all professionals to participate in large numbers and make their contributions as to how the quality of DPRs can be improved for the good of the country.

***Wishing You and Your Families
A Happy and Prosperous Deepawali***

Warm regards,



R S Sharma

WEBINAR ON "ENGINEERING SUSTAINABILITY & REHABILITATION OF BRIDGES AND STRUCTURES"



CEAI's Future Leader Forum organised a webinar on 17th October 2023 on ***"Engineering Sustainability & Rehabilitation of Bridges and Structures"*** which was presented by Mr. Amitabha Ghoshal, Past President CEAI.

Mr. Amitabha Ghoshal spoke of the changeover from an Agricultural society to an Industrial economy, and now to a Service-oriented economy which has brought in rapid urbanization. India's urban population which was 26 percent with a base number of 400 million at the time of Independence is now nearer to 40 percent of the present population of 1350 million – a staggering rise of more than five times!!

Transport infrastructures are the worst sufferers with space shrinking rapidly and grade-separated structures are the only solution.

These grade-separated structures are valuable assets for the city and merit careful preservation and care. In the urban setting, a structure that is subject to heavy traffic load, twenty-four by seven, is not easy to inspect and investigate with testing tools, and to repair. Inaccessibility to vulnerable areas like the expansion joints in the deck, the supporting bearings which are located on the top of load-bearing piers, and the underside of the deck, are a big challenge.

Mr. Ghoshal highlighted the role of Engineers who can contribute to the sustainability of structures by introducing proper maintenance practices and by undertaking rehabilitation and retrofitting. The construction sector contributes 12.8% of the total carbon footprint and therefore the engineers can contribute significantly by extending the life of the structures, thereby helping in the conservation of the earth's limited resources.

With the presentation of three interesting case studies in which he had been involved, he explained how with effective Repair, Rehabilitation, and Retrofitting, engineers could increase the working life of structures that had been due for replacement.

The webinar was very well appreciated by the participants.

Link: https://youtube.com/live/nyb_SGeIMM?feature=share

FROM THE DIRECTOR'S DESK

During the month of October 2023, the Committees that met to conduct their business were:

- Governing Council
- CEAI Foundation
- Seminars & Events Committee
- Young Professionals Forum

CEAI Young Professional Forum successfully conducted a webinar on **“Engineering Sustainability & Rehabilitation of Bridges and Structures”** on 17th October 2023.

CEAI Academy conducted a Soft Skill program on **“Effective Professional Development”** at CEAI office on 28th September 2023.

Annual General Meeting of CEAI will be held on 22nd December 2023 at 12.30 p.m. at CEAI Centre, Pocket 9, Sector B, Vasant Kunj, New Delhi. Members who have not paid their subscription are requested to please do so as soon as possible to enable their participation in the Annual General Meeting

VIEWPOINT

The theme for CEAI's quarterly magazine **“ViewPoint”**, December 2023 issue is **“Consultancy in the Industrial Sector”**. Dr. Rajashekhar R Malur is the Guest Editor for the issue.

The Industrial sector for this issue also includes Chemical, Oil & Gas sectors. These are the spring board for development and form a major part of the GDP. There are a good number of projects in the private as well as the PSU sectors which provide opportunities to the consulting engineers to use their expertise across various disciplines of engineering. BIM and AI have and are enabling many features that help to improve the quality of deliverables by the consultants and manage all aspects of a project more efficiently and effectively.

Professionals are invited to share case studies of how they addressed the challenges faced, practical issues experienced and the solutions to those, etc. in the various disciplines of engineering.

Photographs, charts, diagrams, drawings, etc. would benefit readers for a better appreciation of the issues encountered and the manner in which they were addressed.

The theme for the other issues for the term 2023-2024 are:

1	March 2024 – Consultancy for Start-Up and MSME
2	June 2024 – Affordable Housing.
3	September 2024 – Energy Transition
4	December 2024 – Recycling & Reuse of Building Materials in Construction Industry.

The articles for an issue need to reach CEAI at least 3 weeks prior to the end of the month of the ViewPoint issue. Articles need to be in Times New Roman 12 with single line spacing with before and after 6 pt and normal margin, on A4 size. A recent clear and bright passport size photograph of the author(s) is to be sent along with the article. For details of formatting please refer to “*Format for Articles for CEAI Viewpoint*” on CEAI’s website, under ‘*Publications*’.

Advertisement in ViewPoint

ViewPoint is circulated to all CEAI Members, FIDIC, Ministries of the Government of India, Public and private Sector Undertakings, Construction Firms, Contractors, Consultants, Foreign Missions and Funding Institutions in India and other organisations related to or dealing with the engineering profession. Thus, all stakeholders partnering development and progress are its readers.

Catch the Customers Eye

Get Wide Exposure

Improve Visibility



VIEWPOINT

Support from CEAI members and stakeholders are sought for increasing the number of advertisements so that ViewPoint gains in its stature as a unique Technical Publication for the fraternity and the public at large to spread information about how Consulting Engineers are helping society for improving the quality of life and doing so sustainably. The rates for advertisements in **VIEWPOINT** with effect from 1st January 2023 are given below:

Item	Rate Per issue* (Rs)	Discounted rate at 10% for 2 consecutive issues* (Rs)	Discounted rate at 20% for 4 consecutive issues* (Rs)
Back Cover**	25,000.00	45,000.00	80,000.00
Inside Front Cover***	18,000.00	32,400.00	57,600.00
Inside Back Cover**	18,000.00	32,400.00	57,600.00
Full Page (Colour)	12,000.00	21,600.00	38,400.00
Full Page (Colour), if a specific page position is required.	14,000.00	25,200.00	44,800.00
Full Page (B&W) (such advertisements will be taken up for printing only when there are 4 or multiple of 4 advertisements for an issue)	8,000.00	14,400.00	25,600.00

Notes: *GST @ 5% or as prescribed will be added to the above rates.

**Back Cover and Inside Back Cover booked till September 2023

***Inside Front Cover booked till June 2024

FIDIC PUBLICATIONS

Hard copies of some of the FIDIC Publications are available with CEAI Secretariat.

A publication that may not be readily available could be obtained from FIDIC in about three weeks.

Please contact CEAI Secretariat for availability and price.

1	FIDIC Contracts Guide (2 nd Ed. 2022)
2	FIDIC Contracts Guide (1 st Ed 2000)
3	EPC Turnkey Contract 2 nd Ed 2017 Silver Book Reprinted 2022 with amendments
4	Construction Contract 2 nd Ed 2017 Red Book, Reprinted 2022 with amendments
5	Plant & Design Build Contract 2 nd Ed 2017 Yellow Book, Reprinted 2022 with amendments
6	The Short Form of Contract (2 nd Edition, 2021).
7	The Short Form of Contract (1 st Edition, 1999).

8	Conditions of Contract for EPC Turnkey Projects (First Edition, 1999).
9	EPC/Turnkey Contract 2 nd Ed (2017 Silver Book)
10	Conditions of Contract for Construction (First Ed. 1999).
11	Construction (1999 Edition) Subcontract 1 st Ed (2011)
12	Construction Contract 2 nd Ed (2017 Red Book).
13	Conditions of Contract for Plant & Design-Build (First Ed, 1999).
14	Plant and design-build contract 2 nd Ed (2017 Yellow book)
15	SUBCONTRACT for Plant and design (yellow book 1999) 1 st Ed (2019)
16	Dredgers Contract 2 nd Ed (2016 Blue-Green Book).
17	Client/Consultant Model Services Agreement 5 th Ed (2017 White Book)
18	Sub-Consultancy Agreement 2 nd ED 2017
19	Model Joint Venture (Consortium) Agreement 2 nd Ed 2017
20	GUIDE to Client/Consultant Model Services Agreement (White Book) 2 nd Ed 2001
21	Construction (1999 Red Book) Sub Contract 1 st Ed 2011
22	Conditions of Contract for Design, Build and Operate Projects (1 st Ed, 2008) GOLD BOOK
23	GUIDE to Conditions of Contract for Design, Build and Operate Projects (2008 GOLD BOOK) 1 st Ed 2011
24	Conditions of Contract for Construction - MDB (Multilateral Development Bank Harmonised Ed. Version 3: June 2010)
25	Conditions of Contract for Works of Civil Engineering Construction (4 th Ed. 1987 Reprinted 2011,
26	Selection of Consultant 3 rd Ed (2019)
27	FIDIC Guidelines for Selection of Contractors 1 st Ed 2017
28	Conditions of Contract for Underground works (2019 Emerald Book)



FUTURE LEADER FORUM PRESENTS

CHIT CHAT

Inviting to all Young Engineers (age <40 years) to register for CEAI Online "Chit Chat" session which is inspired from "PechaKucha" and showcase your presentation skills to diverse audience.

- The word "PechaKucha" is Japanese for "Chit Chat". "PechaKucha" format was created by renowned architects Astrid Klein and Mark Dytham of Tokyo's (Japan) in February 2003.
- PechaKucha is a storytelling format that uses slides or images that are displayed for few seconds each. The slides move automatically as the presenter speaks. This format ensures that the speaker is concise, keeps the presentation moving, and gets through all of their content.
- Each presenter will deliver their talk using 12 slides that automatically advance every 20 seconds, resulting in a dynamic and uninterrupted 240 second story telling experience.
- Participants will master the art of presenting complex ideas clearly and engagingly by choosing their own topics such as Travel, Life, Jobs, Humour, Sports, Arts, Social, Economics, Environment or Research thesis.

Event Date: **6th December (Wednesday) 2023**

Event Time : **4:00 PM (IST)**

Last Date of Registration: **10th November 2023**



QR Code for registration

Slots are limited ! So make sure to secure your spot now !

Registration is FREE of Cost !

Join us for this enriching experience and unlock now opportunities for your professional growth.

If you have any queries, please contact:

+91 96437 73682 (Aseem Rastogi) or +91 94635 61778 (Jatin Singla)

**CONSULTING ENGINEERS ASSOCIATION OF INDIA****WE OFFER****FIDIC TRAINING COURSES**

- **Module I : Practical Use of FIDIC Conditions of Contract**
- **Module II : Management of Claims and Disputes Resolution**
- **Module IV : Contract Management and Administration**

The investment in infrastructure is growing and would continue to grow at an accelerated rate in the near and distant future across the Globe and especially in developing economy like India. The multilateral financial institutions are pouring in funds and want to be a part of the India growth story. These MDBs invariably use the FIDIC Conditions of Contract which are acclaimed as the Gold Standard of Conditions of Contract Globally.

The FIDIC Conditions of Contract are being used the world over where multi-lateral development banks provide the funding. And in large complex Government projects.

With a number of large and complex projects BOTH on-going and planned in the country, this training course will bring the participant the necessary detailed knowledge and insights as to the claim management and dispute resolution provisions under the FIDIC Conditions of Contract.

It covers the identification of project risks, their allocation, and the various causes of claim which can emerge over a construction contract and the way FIDIC addresses those. It details the way to handle claims – preparation, submission, assessment, determination under FIDIC Contracts, and how disputes are prevented or otherwise resolved.

Certificate

After completion of the training a Certificate will be distributed to the participants.

**The comprehensive
program on FIDIC Contracts
led by accredited trainers**

Contact for further query

+91 9871166102
ceai.ceai@gmail.com

Consulting Engineers Association of India
CEAI Centre, OCF Plot No.2, Pocket 9
Sector B, Vasant Kunj, New Delhi
www.ceai.org.in

