



APRIL 2024

CONSULTING ENGINEERS ASSOCIATION OF INDIA - NEWSLETTER

www.ceai.org.in

Creating Value Ethically for Engineers



FROM THE

## PRESIDENT'S DESK

*Dear Members and Friends,*

It is the time to make informed and well thought out choices and work ethically and with integrity so that the profession gains in stature.

Subsequent to the seminar in January 2024, CEAI has sent its recommendations to the Ministry of Road Transport & Highways. Meeting to discuss those will be held shortly.

The seminar on *"Quality of Design and Construction for Sustainable Infrastructure"* has now been scheduled for August 2024. The theme is the fulcrum of all engineering for infrastructure works and that applies equally to other sectors as well. Digitalisation is no more a luxury it is a necessity to meet the requirements of shorter time periods albeit with better quality, zero error in designs and zero defects in construction and manufacturing. All engineers connected with the engineering sector need to understand and comprehend the true meaning of 'Quality' and its inseparable linkage to professional ethics and integrity. All are requested to join and be a part of the movement to inculcate the necessary traits, habits and work repertoire so that Indian engineers become exemplary.

Webinar had been organised in April 2024 on the *"Use of AI for Automation of Material take-off"* which was largely attended and appreciated. Another Webinar on *"Ways & Means to achieve Carbon Neutrality in Construction Industry"* on 24<sup>th</sup> May plus

IN THIS

# ISSUE

WEBINAR - USE OF AI FOR  
AUTOMATION OF MATERIAL  
TAKE OFF

ACTIVITIES OF CEAI  
FOUNDATION

FIDIC TRAINING PROGRAM

WEBINAR - WAYS & MEANS TO  
ACHIEVE CARBON NEUTRALITY  
IN CONSTRUCTION INDUSTRY

FROM DIRECTOR'S DESK

SEMINARS & WEBINARS – JUNE  
TO DEC 2024

MEMBERSHIP SUBSCRIPTION

MEMBER NEWS

VIEWPOINT

FIDIC PUBLICATIONS

FIDIC TRAINING

training courses on “*Practical use of FIDIC Conditions of Contract*” on 10<sup>th</sup> & 11<sup>th</sup> May 2024 at New Delhi and on 13<sup>th</sup> to 16<sup>th</sup> May 2024 at Bhopal are other occasions to remain updated and acquire gainful knowledge for professional working

Stay connected with CEAI, participate in its events to gain the full benefit of being a Member.

We wish the share that CEAI will be hosting the Secretariat office of ASPAC for the next two years.

*Warm regards,*



*R S Sharma*

## WEBINAR - “USE OF AI FOR AUTOMATION OF MATERIAL TAKE OFF”

Consulting Engineers Association of India and FIDIC Asia Pacific organised a webinar on “**Use of AI for Automation of Material take off**” for all types of buildings including the services - electrical, mechanical, plumbing and other works on 26<sup>th</sup> April 2024. Beam AI is changing the way quantity take-offs are done for good.

From concrete and rebar to utility services it takes off quantities for 16 trades, delivering pinpoint accurate quantity take-off calculations in 3 simple steps. All that the user has to do is:

**BEAM**

**Estimators & Project Managers spend about 30-50% of their time on takeoffs**

This leads to following challenges in bidding cycle:



**Beam AI helps estimators with 100% automated takeoffs**

With Beam AI, one can now save 90% of the time typically spent on manual, time-consuming quantity take-offs and accurately process upto 30% more estimates, translating to more bids and faster business growth. Streamlined workflows on a user-friendly, cloud-based AI platform mean that one can focus on refining estimates and provide value engineering

Youtube link:



<https://youtube.com/live/GaWgCCw3A08?feature=share>

## ACTIVITIES OF CEAI FOUNDATION

### PVR Nest, - 3 Pink Toilet Projects – Vikas Puri, Lajpat Nagar & R. K. Puram, New Delhi



**Inauguration of Pink toilet at Vikas Puri (Shri Sudhir Dhawan and Shri R S Sharma attended)**

### Romila Palliative Care Center in Mumbai

Water tank and pump house were repaired.



26 April, 2024

To,  
 Mr. Sudhir Dhawan  
 Chairman CEAI Foundation (WRC)  
 New Delhi 110070

Respected Sir

(Sub: Letter of appreciation and acknowledgment)

Greetings from Romila Palliative Care!

We are pleased to share with you that the repair work of the water pump, the water tank and the entire pump house has been completed.

At the outset, we would like to thank you warmly and express our heartfelt gratitude to your esteemed foundation for this generous gesture which has made such a big difference for us. There was always a risk of the entire structure crumbling down and as an NGO we would have been able to do only minimal repair. Besides the basic repair work, the tiling of the water tank has also been done to prevent future leakage. Additionally, the tiling of the walls and the entire pump house is making it look very aesthetic. The work done is of extremely good quality. Attaching some photographs for your perusal.

Thank you once again!

Your sincerely,



Pouruchisti Wadia  
 Associate Program Director  
 Romila Palliative Care  
 SNEHA, Mumbai

Cc Dr. Harshwardhan Subbarao Hon. Chairman CEAI WRC,  
 Mr. A. P Mull Hon Co-Chairman CEAI WRC  
 Mr. Jeffrey Nambiar, Hon. Secretary cum Treasurer

SNEHA (Society for Nutrition Education and Health Action)

Head Office:  
 310, 3rd Floor,  
 Urban Health Center,  
 60 Feet Road, Dharavi,  
 Mumbai 400 017, India

Correspondence Office:-  
 Behind Building No. 11,  
 BMC Colony, Shastri Nagar,  
 Santacruz West,  
 Mumbai 400 054, India

☎ 022 26614488/26606295  
 ✉ donate@snehamumbai.org  
 🌐 snehamumbai.org

Bombay Public Trust Act, 1950 | Reg. No. C-17858 (Mumbai) | PAN No: AACTS3772M

## FORTHCOMING EVENTS

### TRAINING COURSES ON FIDIC CONDITIONS OF CONTRACT

CEAI is organising a series of Training courses on *“Practical use of FIDIC Conditions of Contract”* at Delhi on 10<sup>th</sup> and 11<sup>th</sup> May 2024 at CEAI Centre, Pocket 9, Sector B, Vasant Kunj, New Delhi 110070 and on 13<sup>th</sup> to 16<sup>th</sup> May 2024 at Bhopal

Please register for the training at:

[https://docs.google.com/forms/d/e/1FAIpQLSd8B4u-X0Ua82yg-WhScGmOe\\_EOtKkgvdOYYoPmo5gS5WrSgg/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSd8B4u-X0Ua82yg-WhScGmOe_EOtKkgvdOYYoPmo5gS5WrSgg/viewform?usp=pp_url)

Participation fee:

CEAI Member - Rs. 27,140/- | Non Member - Rs. 29,500/- (*including GST*)

CEAI is pleased to offer a **5% discount on the base registration fee** if there are 4 or more participants from one organization.

Certificate will be issued by CEAI to those who complete the two-day training.

Mr. Bogdan Oprea, FIDIC accredited trainer from Romania will conduct the training course.

### WEBINAR – “WAYS & MEANS TO ACHIEVE CARBON NEUTRALITY IN CONSTRUCTION INDUSTRY”

Young Professional Forum of CEAI is organising the next webinar on *“Ways & Means to achieve Carbon Neutrality in Construction Industry”* on 24<sup>th</sup> May 2024 at 4:00 pm (IST).

**Registration link:**

<https://us02web.zoom.us/meeting/register/tZ0ocOigpjgrHdOtviiO0uBrMfYrui7R395M>.

### FROM THE DIRECTOR’S DESK

During the month of April 2024, the Committees that met to conduct their business were:

- Seminar Committee
- Ethics & Quality Committee
- FIDIC Committee
- CEAI Foundation
- Publication Committee

CEAI has planned to increase its activities of trainings, conferences, workshops and seminars in the physical mode, for the benefit of consultancy profession.

### SEMINARS AND WEBINARS – JUNE - DECEMBER 2024

Seminars and Webinars on the following topics will be organised during June-Dec 2024.

- June 14<sup>th</sup> 2024: Webinar on *“Business Ethics and Corporate Governance”*

- July 12<sup>th</sup> and 13<sup>th</sup> 2024: Seminar on “*Urban Mobility -Emerging Technologies*” at Bhopal
- August 12<sup>th</sup> and 13<sup>th</sup> 2024: Seminar on “*Quality of Design and Construction for Sustainable Infrastructure*”, at New Delhi
- September 20<sup>th</sup> 2024: SEPC-CEAI Conclave, “*Export of Services- Opportunities and Challenges*” at New Delhi
- November 8<sup>th</sup> 2024: Seminar on “*Environment and Climate Change Sustainability – Challenges and Opportunities*” at New Delhi

## MEMBERSHIP SUBSCRIPTION

Subscription notice for the current financial year (2024-2025) has already been issued in March 2024 and a few reminders have been issued. Members are requested to pay their due subscriptions at the earliest, if not paid.

## MEMBER NEWS



## VIEWPOINT

The March 2024 issue of ViewPoint on the topic “*Consultancy by Start-Up and MSME*” has been published and circulated to all concerned.

The theme for the June 2024 issue of CEAI’s quarterly magazine “**ViewPoint**” is “**Affordable Housing**”. The Guest Editor is Mr. R K Bhola, Director, Civtech Consultants Pvt. Ltd.

Housing for the masses has been on the agenda for quite some time and many schemes have been put in place by the Central as well as the State Governments which cater to the under privileged. The number of buildings being built is phenomenal yet there is a dearth of affordable housing. Using local sustainable materials would be a good way to achieve both goals of numbers at low cost.

A number of consulting engineers, architects, contractors, vendor and manufacturers are engaged in these works. However, they do not receive the recognition they deserve since their works do not get publicized.

CEAI’s ViewPoint provides an opportunity to all those engaged in such activities to share case studies of their achievements, 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.

Articles could also be on expressing one’s thoughts on new ways of doing design, construction, repairs, maintenance, etc. or even on adoption or development of new technology and also addressing recycling of materials, issues of sustainability, climate change and being one with nature.

Use of digitalisation to achieve better quality, lower costs, faster completion and better maintenance, could also be brought out - 3D printing and embedding sensors are some such means.

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*’.

**We urge all Professionals to use CEAI’s ViewPoint to showcase the capabilities and achievements of the Engineers in India plus educate and guide new engineers.**

The theme for the remaining issues for the year 2024 are:

1	September 2024 – Energy Transition
2	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 1<sup>st</sup> 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.

\*\*Inside Front and back covers booked till June 2024

## FIDIC PUBLICATIONS

Please contact CEAI Secretariat for availability and price.

1	FIDIC Contracts Guide (2 <sup>nd</sup> Ed. 2022)
2	FIDIC Contracts Guide (1 <sup>st</sup> Ed 2000)
3	EPC Turnkey Contract 2 <sup>nd</sup> Ed 2017 Silver Book Reprinted 2022 with amendments
4	Construction Contract 2 <sup>nd</sup> Ed 2017 Red Book, Reprinted 2022 with amendments
5	Plant & Design Build Contract 2 <sup>nd</sup> Ed 2017 Yellow Book, Reprinted 2022 with amendments
6	The Short Form of Contract (2 <sup>nd</sup> Edition, 2021).
7	The Short Form of Contract (1 <sup>st</sup> Edition, 1999).
8	Conditions of Contract for EPC Turnkey Projects (First Edition, 1999).
9	EPC/Turnkey Contract 2 <sup>nd</sup> Ed (2017 Silver Book)
10	Conditions of Contract for Construction (First Ed. 1999).
11	Construction (1999 Edition) Subcontract 1 <sup>st</sup> Ed (2011)
12	Construction Contract 2 <sup>nd</sup> Ed (2017 Red Book).
13	Conditions of Contract for Plant & Design-Build (First Ed, 1999).
14	Plant and design-build contract 2 <sup>nd</sup> Ed (2017 Yellow book)
15	Dredgers Contract 2 <sup>nd</sup> Ed (2016 Blue-Green Book).
16	Client/Consultant Model Services Agreement 5 <sup>th</sup> Ed (2017 White Book)
17	Conditions of Contract for Design, Build and Operate Projects (1 <sup>st</sup> Ed, 2008) GOLD BOOK
18	GUIDE to Conditions of Contract for Design, Build and Operate Projects (2008 GOLD BOOK) 1 <sup>st</sup> Ed 2011
19	Conditions of Contract for Works of Civil Engineering Construction (4 <sup>th</sup> Ed. 1987 Reprinted 2011,
20	FIDIC Guidelines for Selection of Contractors 1 <sup>st</sup> Ed 2017
21	Conditions of Contract for Underground works (2019 Emerald Book)




**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

# Consulting Engineers Association of India

CEAI Centre, OCF Plot No 2, Pocket 9, Sector B, Vasant Kunj, New Delhi 110070  
 Phone: +91 9871166102 | Email: ceai.ceai@gmail.com, info@ceai.org.in | web: www.ceai.org.in