



# Consulting Engineers Association of India NEWSLETTER

NOVEMBER 2021

[www.ceai.org.in](http://www.ceai.org.in)

FROM THE

## PRESIDENT'S DESK



IN THIS

# ISSUE

Dear Friends,

Greetings!

As we near the end of 2021, we look forward to say goodbye to yet another year of the pandemic. With the setting in of winter and the country achieving its vaccination target, the post festival season in India is seeing most sectors of economy are now reaching their pre-pandemic status.

During November, several large infrastructure projects were in the news in India. They include – commissioning of the longest Expressway in Uttar Pradesh, a new international airport at Kushinagar, UP, the first ultra-modern PPP Railway Station in (Habibganj) Bhopal, laying of the foundation stone laying for Asia's largest Airport, etc.

November 2021 also witnessed the largest ever congregation of nations and international agencies at COP26, Glasgow, UK to commit to the reduction in rise in temperature due to global warming, Green House Gas emission, etc. At that meet, India committed to achieve net zero emission by 2070 and 500GW of renewable energy by 2050.

There would be more focus now on new energy sources including green hydrogen and solar thermal energy storages to reduce the carbon footprint. The Consulting Engineering professionals will need to rise to the occasion and take up the challenge to address the new demand to meet the net zero emission.

We at CEAI have also continued to hold webinars to serve the fraternity and will continue to do so.

Warm regards,

Dr. Ajay Pradhan

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## CEAI NATIONAL AWARDS 2021 – CALL FOR NOMINATIONS

CEAI is pleased to announce the **CEAI National Awards 2021** for Excellence in Engineering Consultancy Services, and invite nominations for the following awards from organisations as well as individuals:

### For Organisations

#### 1) Awards for Excellence in Engineering Consultancy Services in each of the following categories:

Category A) Project Engineering

Category B) Engineering Innovation

The Awards would be given separately for two groups of firms. The firms would be defined on the basis of average turnover for the previous 3 years:

a) Group 1: Less than Rs. 50 crores

b) Group 2: Above Rs. 50 crores

### For Individuals

#### 2) Achievement Awards for individuals as Experts/ Young Professionals:

Category A) Project Engineering

Category B) Engineering Innovation

#### 3) Lifetime Achievement Award

CEAI will constitute an independent jury comprising eminent persons to select the awardees.

The Brochure and Nomination Forms have already been circulated to all Members. The last date for receipt of nomination is **31<sup>st</sup> December 2021**.

## WEBINAR ON “CHANGING TECHNOLOGIES FOR ENGINEERING”

CEAI aims to bring Indian Engineers upto speed with some of the technologies that are disrupting the Engineering industry. It had earlier organised webinars specifically to inform and educate engineers to assist in adopting and adapting to digitalisation after lockdown had been imposed. 18 months down the line it was seen that there was a need to make engineers abreast of the technological revolution. CEAI therefore put together a webinar to cover BIM - Building Information Modelling for Integrated Project Delivery, Agile Project Management and Immersive technologies - Virtual Reality (VR) and Augmented Reality (AR). The potential of for all these technologies is immense. CEAI-Western Regional Centre, accordingly held a webinar on “*Changing Technologies for Engineering*” on 13<sup>th</sup> November 2021.

Dr. Ajay Pradhan, President made the opening address and welcomed the participants and speakers and spoke on how technology had been transforming the way people work and also live. Dr. Harshavardhan Subbarao, Chairman CEAI-Western Regional Centre gave his views on the topic and invited Mr. Suhas P Bhagwat, Member Core Committee CEAI-WRC to moderate.

The first speaker was Mr. Sanjeev. R, Process Consulting Manager, Manufacturing Applications, Dassault Systemes India who dealt with ***Building Information Modelling (BIM): Use for Project Lifecycle + Integrated Project Delivery + Lean Approach***.

Mr. Bhagwat handed over the floor to Mr. Charles Simoes, Member Core Committee CEAI-WRC to moderate the next presentation by Mr. Kiran Akre, Senior Manager, Pinnacle Infotech who went deeper into ***Integrating Design, Engineering and Construction using BIM***.

The third speaker Mr. Mandar Thakurdesai, Director – Project Delivery Services, Worley India introduced and explained the concept and need for ***Agile Project Management (in the Engineering Industry)***. Mr. Simoes handed back the mic to Mr. Bhagwat who invited the last speaker Mr. Pradeep Naik, Head - Interactive Experience Product Engineering, Wipro Ltd. who explained the concept and usage of VR/ AR/ MR in his presentation on ***Hands-on Experience in Immersive Technologies***.

After the views shared by the Moderators, Mr. Bhagwat and Mr. Simoes, the floor was opened to the participants and all the queries were responded to by the speakers and panellists.

The webinar was very well attended and the participants expressed their thanks to CEAI for having organised it. Dr. Subbarao gave the Vote of Thanks.

YouTube Link: [https://www.youtube.com/watch?v=OVNxIWI\\_xMg](https://www.youtube.com/watch?v=OVNxIWI_xMg)



## WEBINAR ON “CHOOSING TO BE AN ENGINEERING CONSULTANT”

The Future Leaders’ forum of CEAI organised a webinar on 18<sup>th</sup> November 2021 on the topic ***“Choosing to be an Engineering Consultant”***.

It was aimed to give Young Engineers clarity on the roles and responsibilities plus the working methodology of engineering consultancy profession.

Mr. Sudhir Dhawan, Past President CEAI welcomed the panellists and participants.

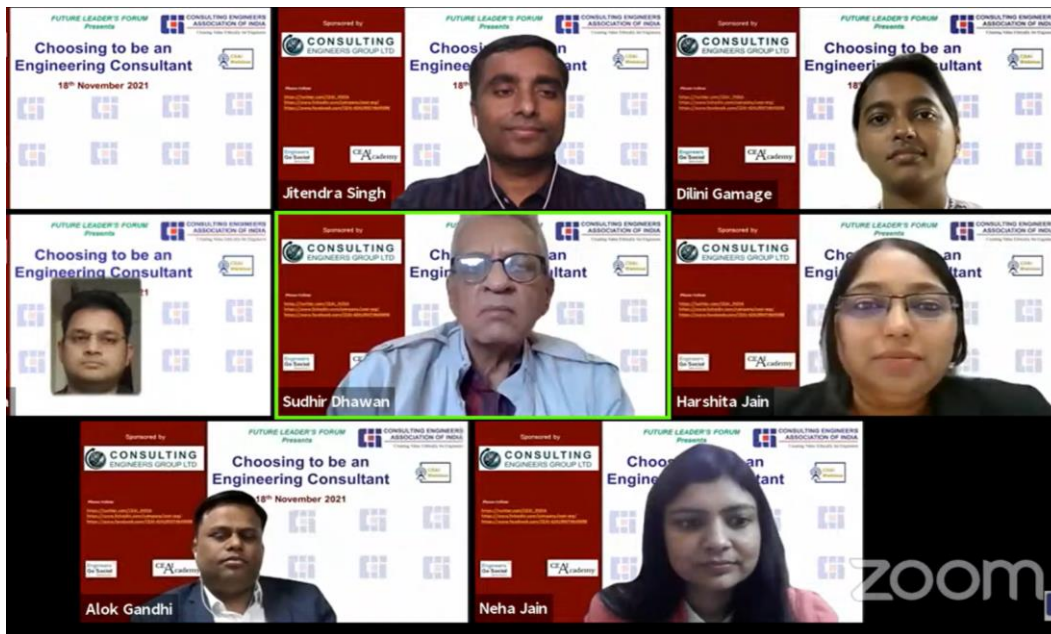
The Young Professionals who participated in the panel discussion were:

- Mr. Jitendra Kumar Singh, Staff Consultant, Asian Development Bank
- Mr. Alok Gandhi, Vice President (International), Consulting Engineers Group
- Mr. Kishore Ponnana, Senior Manager, Tata Consulting Engineers Ltd.
- Ms. Dilini Gamage, Structural Design Engineer, Ceylon Electricity Board, Sri Lanka

The speakers covered the vast involvement and contribution of Engineering Consultant in projects and the challenges faced at various stages. The importance of soft skills was also a focused area which are essential along with the technical expertise. Various aspects on ethics, quality and an engineering consultant's contribution to society were shared plus the pride moments that motivate a Consulting Engineer and the satisfaction one gets when a Project is completed.

The Moderators Ms Neha Jain, Chairperson of Future Leaders Forum, CEAI and Ms Harshita Jain, Director Consulting Engineers Group, skilfully involved the panellists to get their views and experience.

YouTube Link: <https://youtu.be/2XQbV5XEICK>



## FORTHCOMING EVENTS

### a) Webinar on “Guidelines for Selection of Certifying Bodies for ISO 9001:2015 for Engineering Consulting Firms”

In a globalising world, as companies are expected to provide quality deliverables on large, complex, multi-disciplinary projects engaging multi-national teams across geographies, it is imperative that Consulting Firms have well-defined processes and quality management systems in place, based on the international standard ISO 9001.

Recognising that this is only enabled by partnering with trustworthy and dependable Certifying bodies who can reliably provide guidance, CEAI is organizing a Panel Discussion on ***“Guidelines for Selection of Certifying Bodies for ISO 9001:2015 for Engineering Consulting Firms”***. The webinar will be held on Friday, **10<sup>th</sup> December 2021** at 4:00 pm to 5:45 pm IST. The eminent Speakers/ Panellists are:

Keynote Speaker: Mr. Anil Jauhri, ex-CEO NABCB

Panelists:

Mr. Shashi Nath Mishra, Head IRQS & Chairman, Association of Certification Body India

Mr. Praveen Pasricha, Promoter Director, Quality Growth Services Pvt Ltd (ISO Consultant)

Mr. Alok Bhowmick, Managing Director, B & S Engineering Consultants Pvt. Ltd.

Mr. Amitabha Ghoshal, Former Chief Advisor STUP and Former President CEAI

Moderator: Mr Somenath Ghosh, Chair, Quality Sub-Committee CEAI

Registration link: [https://us02web.zoom.us/webinar/register/WN\\_WdtJd6gYQzqPIJ5HzMVhvQ](https://us02web.zoom.us/webinar/register/WN_WdtJd6gYQzqPIJ5HzMVhvQ)

#### **b) FIDIC Training on *“Practical Use of FIDIC Conditions of Contracts”* – Postponed**

Due to unavoidable circumstances, the ONLINE FIDIC Training on ***“Practical Use of FIDIC Conditions of Contracts”*** scheduled in November 2021, has been postponed. **It has been rescheduled from 12<sup>th</sup> to 15<sup>th</sup> January 2022, daily from 2:00 pm to 6:00 pm.**

The faculty will be Mr. Bogdan Oprea, FIDIC Accredited Trainer, who has been very well appreciated by the participants of earlier courses.

#### **REGISTRATION FEE**

**CEAI Members - Rs. 10,000/- + GST @ 18% | Non-members - Rs. 12,000/- + GST @ 18%**

- 5% Discount would be extended if there are 4 or more participants from one organization.
- FIDIC Certificate (Soft Copy) will be issued by CEAI to those who complete the Four day training programme.

Registration Link: [https://us02web.zoom.us/webinar/register/WN\\_3PMOodtkTXK3yBJu2K06qg](https://us02web.zoom.us/webinar/register/WN_3PMOodtkTXK3yBJu2K06qg)

Payment Link: <https://www.ceai.org.in/product/fidic-training-practical-use-of-fidic-conditions-of-contract/>

#### **REGISTRATION WITH MCA**

CEAI Foundation was established as a vertical of CEAI to provide engineering solutions and support services to the society.

CEAI has been registered by MoCA for undertaking CSR activities.

CEAI is also registered under Section 80 G of Income Tax which provide for exemption on income tax on donations.

Members are requested to assist the CEAI Foundation in seeking funding for the Foundation.

## ANNUAL GENERAL MEETING OF CEAI

The 25<sup>th</sup> Annual General Meeting of the Members of the Consulting Engineers Association of India will be held at 12:00 Noon on Friday, 17<sup>th</sup> December 2021, at CEAI Centre, Pocket 9, Sector B, Vasant Kunj, New Delhi 110070, to transact the following business:

1. Confirmation of the Minutes of the 24<sup>th</sup> Annual General Meeting held on 5<sup>th</sup> December 2020.
2. To adopt Annual Report of the Association for the year ended 31<sup>st</sup> March 2021.
3. To pass Audited Accounts of the Association for the year ended 31<sup>st</sup> March 2021.
4. To appoint Auditors for the Financial Year 2021-2022.
5. To conduct any other business/ matter with the permission of the Chair.

The Notice for the AGM has been circulated to all eligible Members on 25<sup>th</sup> November 2021. The AGM will be a hybrid event.

## MEMBER NEWS



The World Waste-to-Wealth Summit-2021 was organised from 16<sup>th</sup> to 17<sup>th</sup> November 2021. Dr Ajay Pradhan, President CEAI, delivered a Plenary Address at the World Waste-to-Wealth Summit-2021. The Summit was attended by National and International delegates from Australia, Bangkok, Belgium, Brazil, Canada, Denmark, Egypt, France, Germany, Greece, India, Israel, Japan, Malaysia, Morocco, Netherlands, Norway, Sweden, UAE, Ukraine, UK, and USA.

The Summit brought together leading international and domestic players, policy makers, government officials, technocrats, industry and academia on a common platform.



## VIEWPOINT

The theme for the December 2021 issue is ***“Changing Technologies for Consulting Engineering”***. The intent is to bring forth the kaleidoscopic changes that are taking place in the business practices and the tools/ facilities for the consulting engineers. Both are witnessing disruptions due to technology and the wake of the Covid 19 pandemic. A typical consulting engineering business is project based with project life cycle spanning from prospecting till operations through the intermediate stages of planning, design, construction and commissioning. Asset management is now also on the anvil.

Each of the phases is being impacted by accelerating technological disruptions. It is not only the sophisticated design tools that are becoming common place but outsourcing and collaborations across the value cycles are gaining traction. Faster, better and cheaper is now a mandate for all. The crucial role that consulting engineering plays during the lifecycle of an asset is increasingly getting recognized and so are expectations from this business. Since it impacts the entire lifetime operations of assets, it has enhanced responsibilities in providing environmentally friendly design, construction, manufacture, operations, maintenance and disposal/ reutilization once the assets life is over. Safety, health and environment in design and operation are increasingly getting crucial.

The business is getting more global and interdependent. The boundaries between competition and collaborations are getting redefined. Outsourcing is progressing from tactical and operational to a transformative arena. This in turn is paving ways for different business models. The geographical based advantages are slowly getting negated by technological advancements.

Based on above, the papers could inter alia cover changing technologies in all areas such as:

- a) Energy Transition, Water Management, thrust on Sustainability, addressing Climate Change requirements, Digitalisation, etc. that are becoming a must for projects.
- b) Consulting engineering per se such as Tracking and Pursuing Prospective Projects, Bidding, Contracts for Services, Contracts for Works, Smart Engineering (Analysis, Design, Drafting & Visualisation – VR/ AR, etc.), Presentations to clients & public, Collaborative pathways, Knowledge Management, Role of R&D for Consulting firms, Modular Construction Techniques, Project Management (including cost, time, quality, variations, etc.), Advanced Studies/ Simulations/ Specialized Applications, Fire, Health, Safety, Security and Environmental aspects, Disproportionate Collapse of structures, Risks and Mutli-Disaster mitigation, etc.

Professionals – practitioners, academicians and receivers of services are invited to address various aspects of technology led impacts on the consulting engineering business. They are urged to share their knowledge and experience by providing case studies of the works executed or in execution, first-hand accounts of the challenges faced, practical issues experienced and the solutions to those, etc. Photographs, charts, diagrams, drawings, etc. would benefit readers for better appreciation of the issues encountered and the manner in which they were addressed.

The themes for the ViewPoint for 2022 are given below.

Sl. No.	Theme	ViewPoint issue
1	Becoming <i>Atmanirbhar</i> – Concept to Reality Guest Editor: Mr. Pradeep Chaturvedi, Chairman, Interdisciplinary Coordination Committee, IEI	March 2022
2	Contract Management	June 2022
3	Tall Buildings in India (to cover all aspects from conceptualisation to end of design life)	September 2022
4	Technology/ Engineering for Sustainability and Circular Economy	December 2022

The articles for an issue need to reach CEAI at least 3 weeks prior to the end of the month of the View Point 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.

### Advertisement in ViewPoint

VIEWPOINT is circulated to all CEAI Members, FIDIC, Ministries of the Government of India, Public & 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 View Point gains in its stature as a unique Technical Publication for the fraternity and the public at large to spread information of how consulting engineers are helping society for improving the quality of life and doing so sustainably.

The rates for advertisements in VIEWPOINT are given below.

Item	Rate Per issue* (Rs)	Discounted rate at 20% for 4 consecutive issues* (Rs)
Back Cover **	25,000/-	80,000/-
Inside Front Cover ***	15,000/-	48,000/-
Inside Back Cover	15,000/-	48,000/-
Full Page	10,000/-	32,000/-

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

\*\* Back cover is booked till March 2022

\*\*\* Inside Front Cover and Inside Back Cover booked till June 2022

Consulting Engineers Association of India

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