



Consulting Engineers Association of India NEWSLETTER

SEPTEMBER 2021

www.ceai.org.in

FROM THE

PRESIDENT'S DESK



IN THIS

ISSUE

Dear Friends,

Greetings!

With monsoon on its way out, we shall be entering into the festive season, however, we must take care of ourselves, family, colleagues and friends not only from COVID 19 protocols but from other seasonal maladies.

September has also been an extremely busy month with four webinars arranged by the three Regional Centers and the Headquarters. The webinars were very timely on very relevant and important subjects and were well attended. On behalf of CEAI, I thank all speakers, attendees and colleagues for participating and supporting these initiatives.

Our social media outreach (Website, LinkedIn, Facebook, Twitter) has been repowered to update and upload information on regular basis. We will soon have a dedicated page to see what's open for registration and what is now available on demand, for example training, technical workshops, FIDIC trainings, etc. under CEAI Academy.

On a personal note, I would like to thank the FIDIC management for recognizing the CEAI Members with the prestigious Award of Merit and Award of Excellence announced at the recently concluded FIDIC Annual Convention (GAM). This was the first time that CEAI Members - TCE and STUP won the awards in a FIDIC International Competition. We congratulate our Members for their excellent work and look forward to their and other Members participating and winning more Awards.

Look forward to see you all at CEAI's Annual General Meeting in December 2021.

Warm regards,

Dr. Ajay Pradhan

WEBINAR ON "CHALLENGES IN ENGINEERING PROJECT DELIVERY WITH FOCUS ON PANDEMIC SITUATION – WAY FORWARD"

WEBINAR ON EMPOWERING MSMEs FOR GROWTH

WEBINAR ON GREEN ENERGY TRANSITION FOR A SUSTAINABLE FUTURE

WEBINAR ON ETHICAL CONDUCT IN ENGINEERING CONSULTANCY PRACTICE

FORTHCOMING EVENTS

- i) Training Series on Soft Skills
- ii) Webinar on "FIDIC Contracts – need of the hour"
- iii) FIDIC Training on "Practical Use of FIDIC Conditions of Contract"

FIDIC PROJECT AWARDS 2021

VIEW POINT

WEBINAR ON “CHALLENGES IN ENGINEERING PROJECT DELIVERY WITH FOCUS ON PANDEMIC SITUATION – WAY FORWARD”

The Eastern & North-Eastern Region Centre of CEAI, along with Builders Association of India (BAI), organised a webinar on *Saturday, 4th September 2021* on “*Challenges in Engineering Project Delivery with Focus on Pandemic Situation – Way Forward*”. The virtual event started at 4:30 p.m. and ended at 7:00 p.m.

The eminent speakers provided valuable inputs for the deliberations:

Speakers

- Mr. R K Pandey, Member (Projects), NHA
- Mr. Ajit Gulabchand, CMD, Hindustan Construction Company Ltd.
- Mr. Kalyan Ghosh, Head of Transportation, Eptisa India Pvt Ltd
- Mr. Amitabha Datta, Past Chairman, CEAI, E & NE Region Centre

Panellists

- Mr. D P Mathuria, Executive Director (Technical), National Mission for Clean Ganga (NMCG)
- Mr. R P Indoria, Former DG (RD), MoRTH
- Mr. Sushanta Basu, Past President, BAI
- Mr. Amitabha Ghosal, Past President, CEAI

The proceedings were initiated by Dr Ajay Pradhan, President CEAI, welcoming the speakers and panellists and all the participants who took time out to attend the webinar. He spoke briefly on the objective and expressed the hope that significant takeaways would emerge from the programme. The Moderator, Mr. Samiran Sen, then introduced the subject of the webinar and further elaborated on the objective, so as to set the stage for the deliberations to follow.



WEBINAR ON “EMPOWERING MSMEs FOR GROWTH”

Consulting Engineers Association of India (CEAI) through its Western Region Centre organized a webinar on another ‘non-engineering topic’, a business-related theme - ***“Empowering MSMEs for Growth”*** to help small professional firms to grow their business and contribute to the Nation’s prosperity. The webinar held on 15th September 2021, delineated the schemes by the Government of India to help the Service Sector grow and the measures initiated to provide the necessary impetus for making the Micro, Small and Medium Enterprises (MSME’s) a stronghold for nurturing the country’s economy so that the MSMEs become a major centre for India's exports.

Mr. Uttam Sengupta, Past Chairman CEAI-WRC, Mr. A P Mull, Past President CEAI, Dr. Harshavardhan Subbarao, Chairman CEAI-WRC, Mr. Jeffrey Nambiar, Hon. Secretary and Treasurer, CEAI-Western Region Centre (CEAI-WRC) and Mr. Rajat Taimni, Member Core Committee CEAI-WRC organised the webinar.

Mr. Uttam Sengupta introduced the topic of the webinar and Dr Ajay Pradhan, President CEAI welcomed all the dignitaries and participants.

Ms. Parineeta Pandhram, Assistant Director, MSME Development Institute, Ministry of MSME, presented the various ***“Schemes of the Government of India to assist MSMEs”***.

Ms. Latha T, Former MD & CEO Dhanlaxmi Bank Ltd, made a presentation on ***“MSMEs – Importance, Finance, Policies, Funding, Risk & Management Strategies”***.



WEBINAR ON “GREEN ENERGY TRANSITION FOR A SUSTAINABLE FUTURE”

Southern Regional Chapter of CEAI conducted their maiden Webinar on ***“Green Energy Transition for Sustainable Future”*** on Friday, 17th September. The webinar began with a welcome address by President CEAI **Dr Ajay Pradhan** spoke about the global developments and opined that India could emerge as an innovation hub for a global green shift with supportive policy action.

The moderator **Dr Rajashekhar Malur**, Member of the Governing Council, CEAI and Chairperson, Southern Chapter CEAI, talked about Sustainable Development Goals, projected power generation mix globally and in India by 2050 highlighting how Digitalization enables Energy

Transition. This was followed by presentations and discussions on four key areas of Energy Transition by expert speakers.

Dr Ajit Sabnis, Sustainability Expert and Past President – Association of Consulting Civil Engineers, spoke on *Green Infrastructure* focusing on circular construction, mitigation strategies for decarbonization, critical design parameters for implementation, and on technology integration for built environment.

Mr Mangal Dev, Director, Hitachi India Private Ltd. (Region) & Head, Railway Systems Business, India & South Asia (BU), spoke on *Green Transportation* focusing on Hitachi's strategy for MaaS (Mobility as a Service) for sustainable travel and HYBARI (Hydrogen hybrid advanced rail) with a thrust of digital technologies and intelligent transportation.

Mr Atul Choudhari, Chief Technology Officer, Tata Consulting Engineers discussed on *Green Processes* mentioning about principles of Green Chemistry, various biofuels and the Reduce – Reuse – Recycle philosophy for a circular process economy.

Finally, **Mr Vaibhav Agwan**, Vice President, Siemens discussed on *Green Technologies* with focus on Hydrogen vouching strongly for PEM (Proton Exchange Membrane) technology, sector coupling as a key lever for green technologies and challenges on using Hydrogen in Gas Turbines.

The four interesting sessions were followed by a Q&A session in which the speakers gave their views on the queries raised by the audience.

Dr. Malur thanked all the speakers for their efforts to deliver interesting lectures and to the participants in the webinar.

Finally, the Vote of Thanks was delivered by Mr Moorthy M R, Member of the Governing Council, CEAI. The event was sponsored by PEM technologies. Southern Regional Chapter of CEAI thanked the CEAI Secretariat for the support in conducting the webinar.



WEBINAR ON “ETHICAL CONDUCT IN ENGINEERING CONSULTANCY PRACTICE”

To create an awareness about ethics in the profession of Consulting Engineering and to promote it, CEAI organized a Webinar on *“Ethical Conduct in Engineering Consultancy Practice”* on 24th September 2021.

Ms. Sayona Philip, Chairperson of CEAI Ethics & Quality Committee was the Moderator and she gave an introduction about the theme of the webinar.

Dr. Ajay Pradhan, President CEAI welcomed the dignitaries and participants and spoke of his views on the theme of the webinar.

Mr. Richard Stump, Chair – Integrity Management Committee, FIDIC, spoke on *“Collective Action – An Integrity Challenge”*.

Dr. Abhijit Dasgupta, Former Jt Managing Director, M N Dastur & Co talked about *“Consulting Engineers as Trustee for Employer and Society”*.

Ms. Kalpana Jaishankar, Former Chief Ethics Counsellor, Tata Consulting Engineers talked on *“Establishing the Ethical Framework: Systems/ Processes & Communication”*.

Mr. Alok Bhowmick, Managing Director, B&S Engineering Consultants Pvt. Ltd. made his presentation on *“Ethics and Integrity – Important traits in Consultancy”*.

Ms. Anna Pinto Herbert, Senior Operations Officer, Integrity Unit of World Bank presented on *“Downside effects of unethical conduct”*.

Lt Col Allan Burby, Advisor, Business Ethics & Compliance talked on *“Ethical Grievances in a High Performance Culture”*.

Mr. Umesh Srivastava, Past President CEAI gave the Vote of Thanks.



FORTHCOMING EVENTS

TRAINING SERIES ON SOFT SKILLS

With a view to enable young professionals enhance their communication abilities - both oral and written, CEAI Academy has decided to organize *Training Series on Soft Skills*:

a) Training on Communication Skills, Email Etiquette & Interpersonal Skills

To be held on 23rd October 2021 from 10:00 am to 6:00 p.m.

Registration Link: https://us02web.zoom.us/webinar/register/WN_OEZADVEqQJO19neXGSjIig

b) Training on Problem Solving & Decision Making

To be held on 30th October 2021 from 10:00 am to 6:00 p.m.

Registration link: https://us02web.zoom.us/webinar/register/WN_USIZh8xNR1Ses74xrpp6Sg

The above trainings will be conducted by Kaizen Training Solutions Pvt. Ltd. Mr. Abhishek Tula, CEO and Co-Founder of Kaizen, who will be the Trainer has trained over 55,000 persons.

Training Fee

- a) Fee for one Topic: Rs.2500/- Plus GST
- b) Fee for Both Topics: Rs.4000/- Plus GST

Discount of 15 % on the fee will be offered if there are more than 3 persons from one organization.

WEBINAR ON “FIDIC CONTRACTS – NEED OF THE HOUR”

CEAI Academy is organising a webinar on 25th October 2021 at 11:00 am, on “*FIDIC Contracts – Need of the Hour*” highlighting the need to adopt FIDIC Conditions of Contract for all types of works, including domestic funded programs, thus emphasising the fact that use of FIDIC conditions of Contract may not be limited to only multilateral development bank funded projects.

The webinar would highlight the advantages of adopting FIDIC conditions including fully operational DAB/ DAAB mechanisms communicate the ease of operation of contracts under the FIDIC environment and.

The webinar would spread more awareness among Government Agencies, Professionals and Employers about FIDIC contracts and attract better participation in FIDIC Training programs. Such awareness webinar may result in individuals aspiring to become FIDIC Accredited Adjudicators and/or FIDIC Accredited Trainers.

The Eminent speakers are:

- Mr. Anthony H. Barry, President-Elect, FIDIC
- Mr. Ajit Kumar Mishra, Chief General Manager, DFCCIL
- Mr. M Kishore Kumar, Director, Aarvee Associates
- Mr. Somnath Roy, Sr. Vice President- Contracts, JMC Projects (India) Ltd

Registration link: https://us02web.zoom.us/webinar/register/WN_1mOOoO6_S_qCUdiFP_vtpw

FIDIC TRAINING ON “PRACTICAL USE OF FIDIC CONDITIONS OF CONTRACTS”

CEAI is organising ONLINE FIDIC Training on *“Practical Use of FIDIC Conditions of Contracts”* in November 2021.

The Training will be held from **23rd to 26th November 2021 at 2:00 pm to 6:00 pm, every day.**

The faculty will be Mr. Bogdan Oprea, FIDIC Accredited Trainer, who is quite popular among the participants.

REGISTRATION FEE

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

- An early bird discount of 5% is applicable for registration with payments made before 15th October 2021
- 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

Payments should be made through Bank Transfer as per details given below:

Account Name:	Consulting Engineers Association of India
Account No:	028394600000592
Bank Name:	YES BANK LTD
Account type:	Saving
IFSC CODE:	YESB0000283
Branch Address:	Gr.Fl., Plot No 2, OCF, Sector B, Pocket 11, Vasant Kunj, New Delhi 110070

FIDIC PROJECT AWARDS 2021

The winners of the 2021 FIDIC Project Awards have been announced at an online virtual ceremony on 14th September 2021. The successful projects include 22 high-quality construction and infrastructure projects from across the globe.

The awards celebrate outstanding projects where FIDIC member firms have had a major involvement and they also help to publicise the work of consulting engineering firms and the contribution they make to people’s quality of life. They also encourage others to understand and support FIDIC principles. In addition, the awards also encourage the use of FIDIC contracts and guidelines and support the aims of the federation which are to promote the use of international FIDIC best practices and resources.

The FIDIC judging panel, chaired by Past President Alain Bentejac, decided to recognise projects with the following awards:

- 14 Awards of Merit.
- 7 Awards of Excellence, and
- 1 Outstanding Project of the Year.

The CEAI Members who received the awards are:

Awards of Merit

a) Tata Consulting Engineers Ltd.

Bangalore Water Supply and Sewerage Project (II), funded by Japan International Cooperation Agency (JICA)

Increasing per capita water supply from 105 to 150 litres.

A significant improvement of 356 MLD.

b) STUP Consultants Pvt. Ltd.

Narendra Modi Cricket Stadium at Motera, Ahmedabad.

The world's largest Cricket Stadium.

Awards of Excellence

STUP Consultants Pvt Ltd

Sustainable Water Supply to Rural Habitations in Gadag District, Karnataka State, India

A project that brings water to 1.5 million people (70 l/d) and which is making a significant difference to people's lives.

VIEW POINT

The September 2021 issue on "***Flood Management in Built Environment***" will be sent out in a few days.

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 balance issues of ViewPoint for 2021 and 2022 are given below.

Sl. No.	Theme	ViewPoint issue
1	Changing Technologies for Consulting Engineering (to cover Business as well as Technical matters) Guest Editor: Mr. Atul Choudhari, Deputy CTO, TCE	December 2021
2	Becoming <i>Atmanirbhar</i> – Concept to Reality Guest Editor: Mr. Pradeep Chaturvedi, Chairman, Interdisciplinary Coordination Committee, IEI	March 2022
3	Contract Management	June 2022
4	Tall Buildings in India (to cover all aspects from conceptualisation to end of design life)	September 2022
5	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 booked till June 2022