



Consulting Engineers Association of India NEWSLETTER

DECEMBER 2020

www.ceai.org.in

FROM THE

PRESIDENT'S DESK



IN THIS

ISSUE

Dear Friends,

Warm greetings and compliments of the season to you all. It is indeed an honour and a great privilege for me to be elected as the President of CEAI, an office in which I am just starting the two-year tenure. I sincerely hope that all of us start the New Year well after almost a year into the COVID19 pandemic, which has now become a part of our life. We all heard from Shri Amitabha Ghoshal in the last monthly Newsletter that he would be stepping down and taking on the position of the immediate Past-President and hence his rich experience will continue to be readily available to all of us. What is of immediate pleasure and interest is that after the able leadership of Mr Amitabha Ghosal, I have been made responsible for a healthy and strong organisation which is reasonably well financially.

CEAI has an excellent group of hard-working Members serving on the Governing Council with inclusion of additional members. Together they constitute a dynamic group of progressive professionals, ready and active to develop and lead CEAI. To keep the momentum, it is essential to keep the positions of the Executive Committee filled with young, enthusiastic and dedicated professionals.

Over the last two years I have learnt that we as an association have the capability to meet and overcome further challenges, such as:

- Increase memberships on a pan-India basis with more focus on other regions
- Have a rich and award-winning innovative project related publication
- Hold top class symposia, seminar and conferences, online or physical as may be possible
- Communicate, teach and train fellow Engineers to be more responsible in delivering the best in class.
- Become involved in more collaboration with other engineering and consulting associations.
- Improve the association's value and brand Nationally and internationally.

CEAI must do more to contribute actively in bridging the gaps amongst the various professional groups and disciplines, which means collaboration with those in the sectors of Air, Water, Agriculture, Energy and allied fields, Life Sciences, Space Sciences, Surveying, etc. and increase Regional area activities.

From time to time, I will be communicating with you of our mutual progress through the Website, Newsletter, Viewpoint, etc. As requested earlier, please do send us your stories relating to your professional work in your areas of work.

I wish you a Happy, Healthy and Productive 2021 and hope that I will get to meet you all personally.

Warm regards,

Ajay Pradhan

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WEBINAR ON DIGITALISATION IN ENGINEERING

The fifth webinar in the series of Diamond Jubilee Celebrations was held on the topic 'Digitalisation in Engineering' on 18th December 2020 at 3pm.

Dr Rajashekhar Malur, Chairperson, Southern Regional Chapter and Member, Governing Council, CEAI provided an introduction to digitalisation that cuts across domains and industries. He highlighted the importance of domain expertise vis-à-vis technology and wondered whether it is physics or data that will govern the future. Engineering community that is known for domain expertise should reinvent themselves in this fast-changing world. As India approaches its 75th year of independence, the country is embracing digital and engineering consultants must be involved in enabling the same.

Mr Amitabha Ghoshal, Immediate Past President CEAI welcomed the participants and informed that the current webinar is under the Diamond Jubilee Webinar Series of CEAI. He highlighted the role of CEAI and importance of Digitalisation in Engineering.

Mr Amit Sharma, Managing Director and CEO – Tata Consulting Engineers (TCE), delivered his keynote on "Engineering Digitalisation and Innovation Driving Industry 4.0". He brought out the key drivers for going digital with reduction in capex spending, VUCA in global economy; and discussed prevalent digital technologies and use cases. He demonstrated digital initiatives in TCE and further presented enterprise level case studies and point solutions across power, hydrocarbons and metals industries. He also proposed a digital maturity model.

Mr Sudheesh Narayanan, CEO – Knowledge Lens, highlighted evolution of Industry 4.0 and talked about integration of operating technologies and information technology. Mr Sudheesh brought out the importance of data analytics, big data, machine learning and artificial intelligence.

Mr Alok Nanda, CTO – GE South Asia and CEO – GE India Technology Centre, discussed case studies across aviation, power and healthcare industries. He mentioned the importance of technologies such as visual analytics, artificial intelligence and machine learning in optimizing component life in an aircraft engine or a gas turbine and further, the role of digital in ensuring quality healthcare at affordable costs reaches the needy.

Following this, in a panel discussion that covered questions from the audience, the speakers were of one opinion that technology and domain expertise; physics and data go hand in hand in solving challenges and one can never replace the other.



CEAI GOVERNING COUNCIL ELECTION

The election process for the Governing Council 2020-2022 has been concluded on 27th November 2020. The results were declared on 28 November 2020.

Election was held only for the Member (Individual) category. The following were declared elected:

1. Dr Ajay Pradhan
2. Mr K K Kapila
3. Dr Samarjit Chatterjee
4. Mr Sudhir Dhawan
5. Mr Sunil Srivastava

For the 14 vacancies in the Member (Organisation) category, 14 nominations were received. All the 14 nominations were treated as elected.

S.N.	MEMBER ORGANISATION	Represented by
1	Aarvee Associates Architects, Engineers & Consultants Pvt Ltd	Dr Dhaval M Parikh
2	Balaji Railroad Systems Ltd	Mr Navin Kumar Jha
3	B&S Engineering Consultants Pvt Ltd	Mr Alok Bhowmick
4	Construma Consultancy Pvt Ltd	Dr Harshavardhan Subbarao
5	Design Forum India Pvt Ltd	Mr C J Ragunathan
6	Holtec Consulting Pvt Ltd	Mr P K Mittal
7	Intercontinental Consultants & Technocrats Pvt Ltd	Mr Prashant Kapila
8	Mantec Consultants Pvt Ltd	Mr Arvinder S Brara
9	Mott MacDonald Pvt Ltd	Mr Amit Kumar
10	PEMS Engineering Consultants Pvt Ltd	Mr M R Moorthy
11	R C Bysack	Mr Gautam K Bysack
12	Saviram Engineering Consultants Pvt Ltd	Mr Girish Mishra
13	Tata Consulting Engineers Limited	Ms Sayona Philip
14	Theme Engineering Services Pvt Ltd	Mr Tarun Rawat

Mr B R Jain, Advisor of Engineering Council of India, was the Returning Officer for the Election.

NEW PRESIDENT OF CEAI



During the first meeting of the Newly Elected Governing Council members held on 5th December 2020, Dr Ajay Pradhan has been unanimously elected as new President of CEAI for 2021-2022.

Dr Ajay Pradhan is the President & CEO of Cetus Consulting Solution Services Pvt. Ltd. And has over three decades of experience in planning, designing and implementing infrastructure projects. He has been a consultant to the Planning Commission, and a scientist in Designing and Modeling Group of National Informatics Centre, Government of India. He then moved to Private Sector and worked in CH2MHill and Halcrow (and now JACOBS) India as Managing Director, Founder Director and Managing Director for DHI (A Danish International Water & Environment Institute) in India. His key practice and research areas include technology intervention in irrigation management, mathematical modeling of sediment management, ports and harbors, river engineering, hydro power projects, sustainable integrated water resources management (IWRM), water and wastewater, waste to energy, climate resilience in hydropower, integrated flood management, policy and governance in irrigation, and water management with focus on transboundary issues. Dr. Pradhan also holds various other positions, such as the Chairman of the Institution of Water & Environment India (IWE India), a policy and advisory think tank, Managing Trustee of Water Alliance India and Member Board of Management, KIIT University. He holds a masters and Ph.D. in Water Resources Management & Engineering.

ANNUAL GENERAL MEETING

The 24TH Annual General Meeting of the Members of the Consulting Engineers Association of India was held on Saturday, 5th December 2020, to transact the following business:

1. Confirmed the Minutes of the 23rd Annual General Meeting held on 7th December 2019
2. Adopted Annual Report of the Association for the year ended 31st March 2020.
3. Passed audited accounts of the Association for the year ended 31 March 2020.
4. Appointed Auditors for the financial year 2020-2021.
5. Updated members on the initiative taken by CEAI to create ENGINEERS GO SOCIAL for future image of CEAI.

ELECTION OF OFFICE BEARERS

The second Meeting of the Governing Council held on 19th December 2020.

The following members were elected as Office Bearers for 2021-22:

- a) Vice Presidents
 - i) Dr Dhaval Parikh
 - ii) Mr Prashant Kapila
- b) Secretary - Mr Girish Mishra
- c) Treasurer - Mr R S Sharma

Co-Opted Members of Governing Council

As per Memorandum and Rules of the Association, the following members were co-opted to the Governing Council

- 1. Mr. V N Heggade
- 2. Mr. R S Sharma
- 3. Mr. Sourav Daspatnaik

Regional Centre Representatives

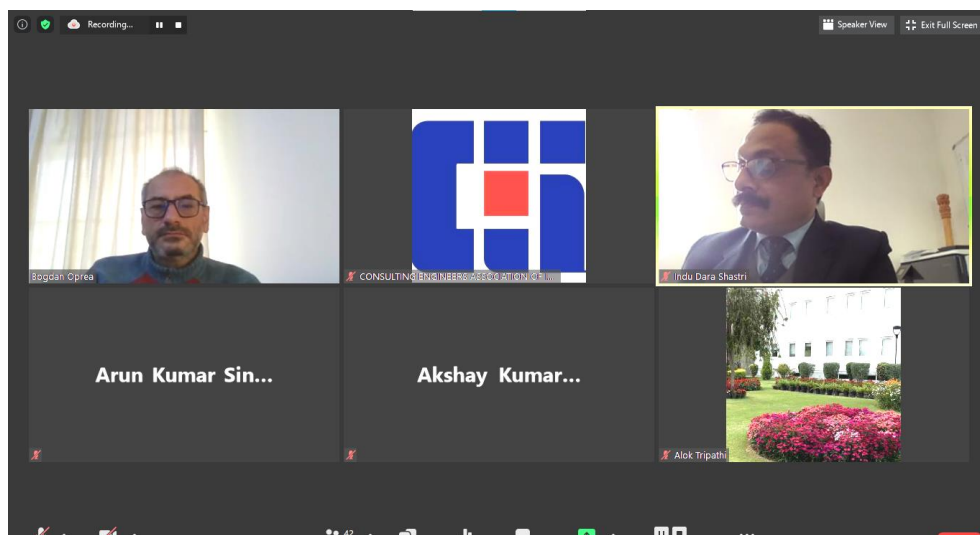
- 1. Mr. Vishwas Jain
- 2. Dr. Rajashekhar R Malur
- 3. Mr. Samiran Sen
- 4. Mr. A P Mull
- 5. Mr. K P Singh

Permanent Invitees

- 1. Mr. Umesh Srivastava
- 2. Mr. Somenath Ghosh
- 3. Mr. Vijay Nadkar
- 4. Mr. Sitaram Aggawal

FIDIC TRAINING PROGRAM

CEAI organised online FIDIC Training Program from 28th to 30th December. The training was held on “Practical Use of FIDIC Conditions of Contract”. The course was organised for the officials of National High-Speed Rail Corporation Ltd (NHSRCL). 72 participants attended the training. The feedback received from the participants was so encouraging that NHSRCL has agreed to have one more training on the same topic for the other staff during Third week of January 2021.



Mr Bogdan Oprea, FIDC Accredited Trainer from Romania, conducted the training

VIEW POINT

The December issue of View Point is under print and will be circulated to all concerned soon. The theme for the View Point of March 2021 is “Export of Consultancy Services”.

Indian Consulting Organisations and Professionals are doing yeoman services in many developing countries in Africa, Central Asia, South East Asia – the ASEAN countries, and South America. They are providing appropriate solutions which are affordable for developing countries and for that they adapt from or modify the more expensive ones which may not be the right fit. Articles could discuss the qualifying requirements, the sources of assistance for funding for the consulting engineers, the major sectors where opportunities are available, etc. Consulting Engineers are requested to share their experiences – the trials and tribulations, they encountered in the bargain but doggedly pursued their aim and ultimately achieved it. Apart from direct project involvements there are others who are involved with arrangements such as the offshore design services for foreign Consulting Engineering organisations or even foreign Owners directly. Consulting Engineers could also be involved with training etc. Articles are invited on all aspects from CEAI Members and various stakeholders on the subject considering their experience.

Authors 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 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 View Point

VIEW POINT 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.

Advertising in the VIEW POINT gives the advertiser wide exposure and visibility.

Support from CEAI members and stakeholders are sought in increasing the number of advertisements, such that View Point gain in its stature as a unique Technical Publication.

The rates for advertisements in VIEWPOINT are given below. This is excluding GST @ 5% or as prescribed, which will be extra:

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.*

***Inside Front Cover booked till June 2021*