



Consulting Engineers Association of India NEWSLETTER

JUNE 2021

www.ceai.org.in

FROM THE

PRESIDENT'S DESK



IN THIS

ISSUE

Dear Friends,

Greetings, it is my pleasure to write to you during this time while the economy is unlocking with the decline of pandemic impact. It has been very tough for most of us during the past 15 months. Trust that most of you must be back to the usual pace of your work. I am happy to report that we at CEAI have also become more resilient, and could come out and deliver the same level of service to our Members, clients and others.

As a commitment to the society that we live in, CEAI have launched “[Engineers Go Social](#)” as [CEAI Foundation](#) to reach out to the community at large, and also [CEAI Academy](#) to strengthen and build future generations of engineers.

We are planning to start a ‘Young Engineers Committee’ soon to increase focus on students and young adults and help them integrate and network as they begin their careers.

We have Future Leaders Committee to take the lead with passion in accomplishing their goals. It is also our endeavor at CEAI to nourish your passion, to feed your hunger for learning and growth and to push you harder for what you are passionate about. In that direction, we have been organizing technical, business, legal and practical webinars regularly with experts and industry leaders to enrich and enhance the knowledge base. A webinar on “Intellectual Property Rights” will be held on 15th July 2021. We have also been collaborating with technology partners from time to time to introduce the new and cutting-edge technology, and in that direction, we have organized a daylong session with Capricot, an Autodesk partner on BIM for Roads, Highways, Rails, Water & Wastewater and Solar on 9th July 2021.

Warm regards,

Dr. Ajay Pradhan

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WEBINAR 'HAZARDS AND RISKS'

In continuation of the webinars on the theme of Safety, The Consulting Engineers Association of India (CEAI) through its Western Region Centre organized another one on 24th June 2021 to create awareness regarding **"HAZARDS & RISKS"**. It was to draw attention to the hazards and risks that one faces every day and how to assess and mitigate them. The intent was also to introduce the realisation of consequential hazards that arise - referred to as multi-hazard scenarios. The webinar covered the daily scenarios encountered by the common person and moved on to what engineers encounter in their work repertoire - risks in engineering, contracts, multi- hazards whether natural or man-made and the insurance aspects to cover the risks.

Mr. A P Mull, Past President CEAI, Dr. Harshavardhan Subbarao, Chairman CEAI-WRC and Mr. Jeffrey Nambiar, Hon. Secretary and Treasurer, CEAI-Western Region Centre (CEAI-WRC) organised the webinar with the support from Centre for Workplace Safety and Health (CWSH), Mysuru, Tuli & Co. and Structural Engineering Form of India (SEFI).



Dr. Ajay Pradhan, President CEAI welcomed everyone and in his opening remarks said that the theme is of utmost importance. Thereafter Dr. Harshavardhan Subbarao invited the speakers to make their presentation.

Dr. N Krishnamurthy, Founder-Director, Centre for Workplace Safety and Health, Mysuru; Safety Consultant and Trainer, Singapore; ***"Hazards and Risks ... and What to do About Them!"***

Mr. Uttam Sengupta, former Corporate Advisor – Contracts & Risks, Voltas Limited; ***"Risk Management of Contracts"***

Dr. Vasant Matsagar, Dogra Chair Professor, Department of Civil Engineering, Indian Institute of Technology, Delhi; ***"Multi-hazard considerations for Assets - Framework"***

Mr. Rajat Taimni, Partner, Tuli and Co., Advocates and Solicitors, Head of Practice-Dispute Resolution; ***"Evaluating Legal Risks in Contracts"***

Dr. Nikhil N Pujari, Senior Specialist, Willis Towers Watson, WTW Global Delivery and Solutions India Private Limited; *“Catastrophe Modelling and Industrial Outlook”*

Mr. Abhishek Pal, Scientist ‘C’, Civil Engineering Department, Bureau of Indian Standards; *“Indian Standards relating to Hazards & Risks in Civil Engineering”*

Mr. Pranav Patel, Senior Vice President, Marsh India Insurance Brokers Private Limited; *“Project Risks & Insurance”*

Dr. Harshavardhan Subbarao made his brief contributions to the discussions after each presentation.

Mr. A P Mull thanked all the speakers for highlighting the need to give attention to Hazards & Risks which are encountered in all walks of life but more so in professional works. He thanked the attendees for their patient hearing and interaction through the Q&A and Chat boxes.

The webinar, inspite of other competing engagements received excellent response and encouraging feedback. There were requests for greater elaboration on some of the matters presented.

WEBINAR ON “INTELLECTUAL PROPERTY RIGHTS”

CEAI is organising a webinar on “Intellectual Property Rights” on 15th July 2021 at 10:30 am IST.

Conceptualisation is the forte of Engineers, Technical personnel, Scientists, Researchers, in fact all professionals and that results at times in the creation of designs, materials, products, methods, systems, processes and operations, some of which are novel. In doing so they use their knowledge, expertise, experience, time, and resources and come up with new ideas or concepts. It’s the non-routine technical consultancy work which differentiates the real capabilities and worth of the individual or group or organization. It is therefore necessary that the work done and the knowledge created or gained be appropriately valued and the financial credit be given to the party that first generated it. The financial gains could be substantial.

Ms. Anuradha Maheshwari, founding Partner Lex Mantis will be the Speaker for the webinar. She is a lawyer of many years, and specializes in intellectual property, corporate, transactional, real estate, and human rights law. She was recognised as one of the "Powerful Women In IP, India 2021" by the World IP Forum, and also awarded the prestigious “IP Star Woman of the Year” at the Legal Era Intellectual Property Awards, 2019.

The Moderator for the event will be Mr. Uttam Sengupta, former Corporate Advisor–Contracts & Risk, Voltas Limited has a career spanning over 40 years. He started with reputed engineering multinational Siemens, in various Domestic and International functions. Later, at Voltas Limited, a TATA Enterprise he headed Contracts & Risk Management for the International and Domestic businesses.

He specialises in Contract Management, evaluation of risk by reference to contract provisions, monitoring and reviewing them so as to suggest mitigation measures in the entire contract procedure, including basic risk areas.

Please register at: https://us02web.zoom.us/webinar/register/WN_7J3yiQ9oS7uItRSZAZF9FA

WEBINAR SERIES ON “CONNECTED BIM FOR INFRASTRUCTURE”

Capricot in association with CEAI organising a Webinar Series on “Connected BIM for Infrastructure” on 9th July 2021

Connected BIM for Roads & Highways (10:00 AM – 11:30 PM)

BIM for Infrastructure can help minimize rework and improve collaboration on the design and construction for roads, highways, bridges, and tunnels.

Design, engineer, and construct higher-quality, more predictable road and highway projects.

Topics to be covered:

- Existing Conditions Modelling
- Survey & Planning
- Preliminary design
- Detailed Design
- Documentation
- Coordination and Visualization

Register here - <https://bit.ly/3h4bFeJ>

Connected BIM for Rail (11:30 AM – 1:00 PM)

Technology solutions for Railways help minimize rework and improve collaboration on design, construction and maintenance of Stations, Terminals, Tracks, Bridges and other Ancillary Railway Buildings and Structures. Topics to be covered:

- BIM-GIS connected workflows for Site Planning & Feasibility Analysis
- Detailed Design of Rail Tracks, Stations and other Ancillary Buildings
- Design Automation on Rail Projects
- Common Data Environment
- IOT and Advances Analytics for Real-time performance monitoring

Register here - <https://bit.ly/3h4bFeJ>

Connected BIM for Water & Wastewater (2:00 PM – 3:30 PM)

By fundamentally changing the way water systems are designed, constructed and operated, we are best positioned to achieve a more sustainable planet.

Topics to be covered:

- Establishing Existing Conditions
- Surface Water Networks
- Site Grading
- Plant Building Creation
- Piping and Equipment
- Clash Detection
- Collaboration
- Visualization

Register here - <https://bit.ly/2UtI4Uk>

End to End Solutions for Solar Projects (3:30 PM – 5:00 PM)

Technology enables you to deliver solar projects faster and better by providing end to end connected workflows.

Topics to be covered:

- Existing Conditions Modelling
- Solar Plant – Site Layout & Detailed Engineering
- Structural Design, Analysis & Modelling
- Electrical Utilities
- Yield estimation and simulation
- Construction Monitoring
- Operations and Facility Management

Register here - <https://bit.ly/2UtI4Uk>

FIDIC AWARDS 2021

FIDIC has published information regarding the 2021 Awards on the [FIDIC website](https://fidic.org/node/33008) <https://fidic.org/node/33008>

FIDIC award submissions will be handled online this year. For this purpose FIDIC has put in place electronic forms to submit nominations and platforms where applicants should be able to upload required documents and pictures as applicable.

The Award categories available and the links to access further details and application forms are listed below:

- **FIDIC Project Awards** - [click here for full details and entry form.](#)
- **Future Leaders Awards** - [click here for full details and entry form.](#)
- **FIDIC Contract Users' Awards** - [click here for full details and entry form.](#)

Please submit your nominations before the due date.

JOIN CEAI

The Future is Yours to Make Make it with CEAI

- ✓ CEAI promotes the interest and works to enhance the status of the Consulting Engineering profession in India
- ✓ CEAI advocates global networking and co-operation
- ✓ CEAI helps to keep in touch with the latest professional updates – technical, regulatory, legal, financial, health & safety, environmental, etc.
- ✓ CEAI provides excellent opportunity to present papers in seminars and technical lectures organised from time to time.
- ✓ CEAI aids in skill development through regular training programmes including training on FIDIC Conditions of Contract and sharing of the legal issues based on the Indian context.
- ✓ CEAI takes-up various issues confronting the profession with government and other authorities from time to time with the objective of making the conditions of engagement on a fair and equitable basis so that Consulting Engineers can function in the best interest of the country.

- ✓ CEAI promotes the cause of Women Engineers with a view to ensure rightful places for them in the engineering consultancy arena.
- ✓ CEAI helps to develop Young Engineers who are the Future Leaders.

CEAI INTERVENTION

With persistent and continuous follow up by CEAI, NHAI had issued a circular intimating that the amendments have been incorporated in the Omnibus Bank Guarantee Proforma. NHAI letter is reproduced below:



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport and Highways)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली-110075

G-5 & 6, Sector-10, Dwarka, New Delhi-110075

दूरभाष / Phone : 91-11-25074100/25074200

फैक्स / Fax : 91-11-25093507 / 25093514

NHAI/Policy Guidelines/Bank Guarantee/2021
Policy Circular No. 3.1.31/2021 Dated 24th June, 2021
(Decision taken on e-office file Comp. No.54149)

Sub: Amendment to proforma for Omnibus Bank Guarantee for Consultancy Assignments on National Highways - reg.

Ref: The BG proforma as notified vide MoRTH Letter No. RW/NH-35071/2/2013-S&R (B) dated 02.07.2014

The following amendments are hereby incorporated in the Omnibus BG proforma as notified vide MoRTH Letter No. RW/NH-35071/2/2013-S&R (B) dated 02.07.2014: -

Sl. No.	Para no. of the Omnibus BG	Existing Clause	Amended Clause
1.	Para 2 Further after encashment of Guarantee in part the bank guarantee shall be restored automatically to the original amount of issue. Further, after encashment of Bank Guarantee in part, the consultant shall either arrange restoration of the Bank Guarantee to the original amount of issue or shall provide Bank Guarantee for all individual projects as per the bid documents, as if the Omnibus BG Circular is not applicable to such Consultant, within 30 (Thirty) days. On compliance, the Original BG will be returned.
2.	Sl. No. 2 of the conditions in para 4This Bank Guarantee has been set on auto renewal mode and the period of 24 month will automatically get extended for another block of 24 months and subsequent blocks, unless and until the beneficiary release this bank guarantee.Renewed / New Omnibus BG to be provided one month before the current Omnibus BG lapses. The Consultant undertakes to renew it 30 days before the date of validity, failing which the Authority shall encash the BG.

2. This is issued with the approval of the Competent Authority.

Encl: As above.

11/Sheo
24.06.2021

(Sheo Shankar Jha)
Chief General Manager (Coord.)

To:
All officers of NHAI/HQ/ROs/PIUs/CMUs/Site Offices

VIEW POINT

The June 2021 issue on **“Risk and Resilience”** is under preparation and would be released in due course.

Consulting Engineers are requested to share their experiences – the trials and tribulations, they encounter in their professional carrier. 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 themes for the ViewPoint issues for 2021 and 2022 are given below.

Sl. No.	Theme	ViewPoint issue
1	Risk and Resilience	June 2021
2	Flood Management in Built Environment Guest Editor: Mr. Dilip G Sonwane, AVP Built Environment, Infrastructure Business, TCE	September 2021
3	Changing Technologies for Consulting Engineering (to cover Business as well as Technical) Guest Editor: Mr. Atul Choudhari, Deputy CTO, TCE	December 2021
4	Becoming <i>Atmanirbhar</i> – Concept to Reality Guest Editor: Mr. Pradeep Chaturvedi, Chairman, Interdisciplinary Coordination Committee, IEI	March 2022
5	Contract Management	June 2022
6	Tall Buildings in India (to cover all aspects conceptualisation to end of design life)	September 2022
7	Technology/ Engineering for Sustainability and Circular Economy	December 2022

The articles for an issue need to reach CEAI office 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 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.

** Back cover is booked till March 2022

***Inside Front Cover booked till June 2022

Consulting Engineers Association of India

CEAI Centre, OCF Plot No.2, Pocket 9, Sector - B, Vasant Kunj, New Delhi 110070

Tel: 91-11- 26134644, 26139658 Email: info@ceai.org.in, ceai.ceai@gmail.com, Web: www.ceai.org.in