



# Consulting Engineers Association of India NEWSLETTER

FEBRUARY 2021

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

FROM THE

## PRESIDENT'S DESK



IN THIS

# ISSUE

Dear Friends,

CEAI held its Diamond Jubilee Celebration's concluding event through a virtual mode on 26<sup>th</sup> February, 2021. CEAI had commenced celebrating the Diamond Jubilee with three seminars on very topical themes in the first quarter of 2020. Thereafter it ran five webinars on various relevant themes on subjects related to *Atmanirbhar Bharat*.

Consulting Engineers focus on finding solutions to various problems faced by mankind from climate change to critical infrastructure including health starting from primary level, mobility, energy, community development, and helping in improving service delivery at the grassroots level.

CEAI will work more closely with various organizations to make the decision-makers and all other relevant stakeholders, aware not only of the necessity of Sustainable Development in transforming the Society and at the same time enthuse the Consulting Engineers to fulfil their stellar role in achieving the vision of *Atmanirbhar Bharat*.

CEAI will be working towards capability and capacity building of Human Resource to enable delivering world class projects in time and at optimal cost.

On 4<sup>th</sup> March, 2021, CEAI would be celebrating the World Engineering Day as declared by UNESCO during 2020.

Warm regards,

Dr. Ajay Pradhan

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## DIAMOND JUBILEE CELEBRATION -CONCLUDING EVENT

The Consulting Engineers Association of India (CEAI) celebrated its 60 years of existence by organizing the Diamond Jubilee concluding event on 26<sup>th</sup> February 2021.

The celebrations had begun as seminars which got transformed into webinars on account of the Covid-19 pandemic. They covered various facets of interest and use to the fraternity.

The theme for the concluding session was **“Contribution of Consultants - Fast Tracking Atmanirbhar Bharat”**.

In the Inaugural Session, Dr. Ajay Pradhan, President CEAI welcomed the dignitaries and participants. Thereafter he briefed them regarding CEAI and the past years events organized it.

Mr. K K Kapila, Chairman, Diamond Jubilee Celebrations Committee, delivered the Keynote address.

Dr. Harshvardhan Subbarao, Chairman CEAI-Western Region Centre the Moderator read out the Message from Shri Narendra Modi, Prime Minister of India. Thereafter the Video Message from Shri Nitin Gadkari, Hon’ble Minister for Roads Transport & Highways and Micro, Small & Medium Enterprises was played.

Mr. Akhilesh Mishra, Additional Secretary, Ministry of External Affairs, Government of India was the Guest of Honour and while wishing CEAI good speed ahead he urged the audience on joining the team for *Atmanirbhar Bharat*.

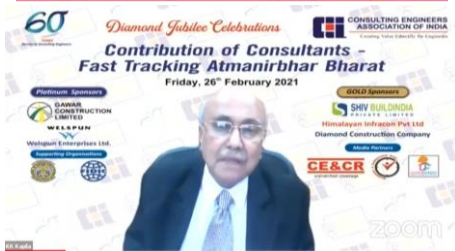
Dr. Sukhbir Singh Sandhu, Chairman NHAI was the Chief Guest. In his address Dr. Sandhu congratulated CEAI for its completion of 60 years of service and welcomed it to join hands for improving the level of Indian Consulting Engineers.

Mr. Girish Mishra, Secretary, CEAI proposed the Vote of Thanks.

In the Technical Session views by experts were expressed and enlivened the deliberations:

1. Ms. Sayona Philip, Past President CEAI focussed on “Atmanirbhar Bharat – Role of Consultants”
2. “Road Map to Achieve” was suggested by Ms. Shubrata Prakash, IRS, Director (Commerce) NITI Aayog.
3. “Adopting FIDIC Guidelines for Fast Tracking” was resented by Mr. Sudhir Dhawan, Past President CEAI.

Dr. Harshvardhan Subbarao summed up the discussions and Dr. Ajay Pradhan thanked all the speakers, participants and organisers.



Message from Hon'ble Minister Shri Nitin Gadkari



सत्यमेव जयते

प्रधान मंत्री  
Prime Minister

### MESSAGE

I am pleased to learn about the Diamond Jubilee celebrations of Consulting Engineers Association of India (CEAI) in the virtual format. The topic – “Contribution of Consultants in fast tracking Aatmanirbhar Bharat” is relevant.

The celebrations are a proud occasion for the community of consulting engineers. India is proud of our hardworking engineers. The dedication and dexterity with which they are contributing towards nation building is praiseworthy.

Technology and innovation have been powering every sphere of activity. Our Government has been taking numerous steps to create a vibrant ecosystem that nurtures the ideas and skills of our young technical workforce.

To add strength to the nation’s collective resolve of building a strong and prosperous nation, there is a greater need for our engineers and experts to find innovative and technology-enabled durable solutions which can improve and save the lives of millions and can save the country's resources.

In the post COVID world, India has emerged as a major global player in the field of Science, Technology, Research and Innovation. There is, hence, an increased need for even bigger contribution from Tech Start Ups and innovators to come up with such indigenous technologies that upscale infrastructure, enhance ‘ease of living’, minimize damage to the environment and fulfil the changing demands and aspirations of New India.

As India rapidly strides on the path of development, it is an opportunity, as also a responsibility for our consulting engineers to integrate their efforts with the clarion call of an Aatmanirbhar Bharat.

I am sure that the Diamond Jubilee celebrations will encourage the participants to take inspiration from the organisation’s journey of six decades and continue working with renewed zeal and dedication for larger good.

Best wishes for all success of the celebrations.



(Narendra Modi)

New Delhi

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26<sup>th</sup> February, 2021

## WORD ENGINEERING DAY

On the occasion of the World Engineering Day, CEAI is organising an Online Panel Discussion on **“A Healthier Built Environment”** on 4<sup>th</sup> March 2021 from 12 noon to 1 p.m.

Mr Sudhir Dhawan, Dr. Samarjit Chatterjee and Mr. A P Mull, Past Presidents of CEAI will present their views during on:

- a) Role of Engineers in enhancing the Built Environment
- b) speak on Expectations of Society from Engineers
- c) Projecting Engineers contribution to Society

The World Engineering Day for Sustainable Development was proclaimed by UNESCO at its 40<sup>th</sup> General Conference in 2019. It is celebrated worldwide on 4<sup>th</sup> March of each year since 2020. The day offers an opportunity to highlight engineers and engineering’s achievements in our modern world and improve public understanding of how engineering and technology are central to modern life and for sustainable development.

The celebration of World Engineering Day is about promoting engineering as a career and how it is an opportunity to change the world for better. There is a great deal to be done specially to achieve the UN Sustainable Development Goals in developing countries to ensure that everyone has access to clean water, sanitation, reliable energy, and other basic human needs. In all countries, there is also a great deal to be done – to deal with the impacts of climate change, environmental issues, our growing cities and the challenges of new technologies including artificial intelligence. There are many opportunities and the Day can be used to engage with young people and say **“If you want to change the world for the better, become an engineer.”**

Please Click the link to join

[HTTPS://US02WEB.ZOOM.US/J/82722461937?PWD=MLPETVZMY3I3NUJUY0JQBEF1Q0GWQT09](https://us02web.zoom.us/j/82722461937?pwd=MLPETVZMY3I3NUJUY0JQBEF1Q0GWQT09)

PASSCODE: 103220

## WEBINAR ON “SAFETY IN CHEMICAL INDUSTRIES”

Continuing to spread awareness in keeping with CEAI’s objectives with regard to Safety, CEAI-WRC will be organising the next webinar on 19<sup>th</sup> March 2021 on the theme **“Safety in Chemical Industries”** as a sequel to the webinar on *“Safety in Engineering”* held in September 2020. The theme is based on requests received plus the large number of fires, blasts and other malfunctions which have occurred since the lockdown began, all of which have been reported by the media. The accidents and instances were the results of

transgressions relating to safety in designs, operations and maintenance in chemical industries and also others.

CEAI-WRC will be associated with the American Institute of Chemical Engineers - Centre for Chemical Process Safety, Tata Consulting Engineers Limited and Chempro Expertise Pvt Ltd for the webinar.

### CEAI INTERVENTION

### MORTH Circular for restoration of 80:20 criteria

With persistent and continuous follow up by CEAI, MoRTH has issued a Circular that for all DPRs, the criteria should be 80:20. MoRTH's circular dated 1<sup>st</sup> February 2021 is reproduced below.

No. MISC-13/1/2021- Highways  
Government of India  
Ministry of Road Transport & Highways  
(Highways Section)  
Transport Bhawan, 1, Parliament Street, New Delhi-110001

Dated: 01<sup>st</sup> February, 2021

To  
The Chairman,  
National Highways Authority of India,  
G-5 & 6, Sector-10,  
Dwarka, New Delhi-110075

{Kind attention: Shri Sushil Kumar Mishra, CGM (Tech)-SRD&Q, NHAI}

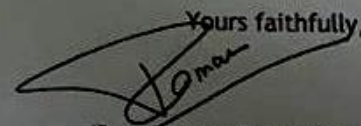
**Subject:** Restoration of 80:20 criteria in lieu of 70:30 (Technical Proposal: Financial Proposal) for Quality cum Cost Based Selection (QCBS) in consultancy assignments - reg.

Sir,

I am directed to refer to NHAI letter no. NHAI/11018/01/2008/PQ/(Comp.no. 27879)/308 dated 14.9.2020 on the above subject and to say that proposal of NHAI for restoration of 80:20 criteria in lieu of 70:30 (Technical Proposal: Financial Proposal) for QCBS in consultancy assignments has been approved by the competent authority in the Ministry. RFP document for appointment of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and centrally Sponsored road works circulated vide MoRTH Letter No. H-39011/15/2019-P&P (Pt-1) dated 15.2.2019 stands modified to that extent. Rest of conditions/provisions of the RFP document will remain the same.

2. Further, it has been decided by the competent authority that the revised criteria will be applicable for other agencies of the MoRTH as well.

Yours faithfully,



(Ramandeep Chowdhary)  
Deputy Secretary to the Government of India

## MEMBER NEWS

Mr. K K Kapila, Past President CEAI and the President Emeritus, of the International Road Federation- India Chapter addressed the participants on the occasion of the inauguration of IRF-IC webinar series on 9<sup>th</sup> February 2021. The same was reproduced in The Statesman and is given below.

<https://epaper.thestatesman.com/c/58562893>

# Road safety needs greater focus

K K KAPILA

Road safety, though extremely important has still not been able to attract enough attention in India despite the fact that there have been higher fatalities year on year on account of road accidents than due to the Covid-19 pandemic in 2020. In India, more than 150,000 people die every year while 500,000 get injured. A significant point to be noted here is that while over 70 per cent of the fatalities due to road accidents are in the most productive age group of 18 to 45 years, over 70 per cent of the fatalities due to Covid were in the age group of over 65 years.

Globally, road accidents account for 1.3 million deaths and 50 million injuries, with many living their lives with permanent disabilities. Of this, India's contribution to the fatalities is at 11 per cent. In 2010, leaders from 100 countries gathered together and resolved to reduce road fatalities and accidents by 50 per cent by the end of 2020. Though we did not achieve the target, there is now an increased sensitivity and awareness towards road safety. Having failed to achieve the target, a new target has been set to achieve reduction in road accidents by 50 per cent by 2030.

To achieve it, an action plan was



contemplated to be prepared in 2020 but because of Covid, this has got delayed and we have only now embarked upon it. In this effort we have the whole hearted support of a number of International and National organisations including Federation International De Automobile (FIA), Road Safety Organisation of Prince

Michael Duke of Kent, International Road Assessment Program (IRAP), International Road Federation (IRF) - Geneva, UNECE and Ministry of Road Transport And Highways (MoRTH) amongst others.

The hard facts of Indian road safety include that the Ministry of Road Transport had issued a circular

to build Forgiving Roads, which forgive engineering mistakes made on the roads. Thereafter National Highway Authority of India issued two circulars on the subject - in 2010 and 2012 respectively. In spite of explicit instructions, these have not been adhered to, primarily on the plea of cost increase as well as a casual attitude of the people involved. This is indeed unfortunate.

Moving to vehicular safety, the Union government has initiated provisioning of safety measures in vehicles, aligning them with UNECE standards for both two wheelers and four wheelers. The government must be complimented for mandating crash test standards, identical to Europe. Similarly the provisioning of ABS in two wheelers is a very welcome gesture.

The government's move to encourage use of CNG is welcome. However, if we are retrofitting CNG kits in the market, it is important that these vehicles meet the same crash test safety standards as mandated for all cars. Secondly, many of these kits are imported from China and do not meet basic safety standards. Under Atma Nirbhar Bharat, we need to develop and manufacture these in India so that they meet all test standards, stop

their import, and generate local employment.

The amended MV Act 2019 implemented in September 2019 is expected to bring a remarkable change in the road safety scenario in the country when it is adopted in entirety by the States and Union Territories. What is needed is to remove the human interface from enforcement. Extensive use of Intelligent Transportation System (ITS) technologies to capture violations is the way forward.

Our Vision is that Bystander Training Programme should be undertaken in a time bound manner along all National and State Highways to begin with. The tea stall, dhaba and petrol pump staff on main highways in the country should be taught first-aid to help accident victims.

The latest intervention in trauma care is by the DRDO Scientists who have created a Motorbike Ambulance called "Rakshita". The government must promote manufacture of these Motorbike Ambulances in a populated country like ours with massive road network and disproportionately large accidents in order to save human lives. This effort should be launched in the same manner as we have taken up the vaccine drive for Covid 19.

The writer is President emeritus, International Road Federation, a global body working for better and safer roads world wide.

CROSSWORD



## VIEW POINT

The December issue of View Point is being circulated. The themes 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 themes for the ViewPoint issues for 2021 and 2022 are given below.

Sl. No.	Theme	ViewPoint issue
1	Export of Consultancy Services	March 2021
2	Risk and Resilience (to cover Climate Change, Natural and Man-made Disasters, Integrated Engineering, etc.)	June 2021
3	Flood Management in Built Environment	September 2021
4	Changing Technologies for Consulting Engineering (to cover Business as well as Technical)	December 2021
5	Becoming <i>Atmanirbhar</i> – Concept to Reality	March 2022
6	Contract Management	June 2022
7	Tall Buildings in India (to cover all aspects conceptualisation to end of design life)	September 2022
8	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 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 & Back Covers booked till June 2021 & Sept 21, respectively

Consulting Engineers Association of India

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