



# Consulting Engineers Association of India NEWSLETTER

NOVEMBER 2019

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

FROM THE

## PRESIDENT'S DESK



IN THIS

# ISSUE

Dear Members,

I would request all of you to kindly make efforts to be present in the AGM of your Association, being held at CEAI Centre on the 7<sup>th</sup> of December and interact with the GC members you had elected.

Your presence and guidance will surely encourage them and help them in working more effectively for the Consulting Engineering fraternity. WELCOME once again;

November has been a busy month with FIDIC training programme, a very well organized event at Kathmandu by our Nepalese counterparts and then with participation in a grand Global Exhibition on Services Exposition at Bengaluru, where high officials of Ministry of Commerce and SEPC (Services Export Promotion Council) interacted with CEAI seniors.

We look forward to being able to do more effective work that will benefit the Consultants.

Warm regards,

Amitabha Ghoshal

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## ANNUAL GENERAL MEETING OF CEAI

The 23<sup>rd</sup> Annual General Meeting of the Members of the Consulting Engineers Association of India will be held at 12:00 Noon on Saturday, 7<sup>th</sup> December 2019 at CEAI Centre, Pocket 9, Sector B, Vasant Kunj, New Delhi 110070, to transact the following business:

1. Confirmation of the Minutes of the 22<sup>nd</sup> Annual General Meeting held on 14 December 2018.
2. To adopt Annual Report of the Association for the year ended 31<sup>st</sup> March 2019.
3. To pass audited accounts of the Association for the year ended 31 March 2019.
4. To appoint Auditors for the financial year 2019-2020.
5. Reporting on future Action Plans in keeping with the Strategic Plan adopted by the Association for systematic rapid development.
6. To conduct any other Business / matter with the permission of the Chair

The AGM will be followed by Lunch.

NOTICE for the AGM has been circulated to all eligible members on 15 November 2019.

Presence of members in large numbers strongly desired to encourage the GC in its efforts.

## FORTHCOMING SEMINAR ON WATER INFRASTRUCTURE FOR URBAN AREAS & INDUSTRIES

Consulting Engineers Association of India is organising a Seminar on 'Water Infrastructure for Urban Areas & Industries' on 13-14 February 2020 at Bhubaneswar. The seminar will be organised in partnership with Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar.

CEAI formed the following committees for conducting the seminar in an effective manner:

- Organising Committee : Dr Ajay Pradhan, Chairman
- Technical Committee : Ms Sayona Philip, Chairperson
- Resource Committee: Mr Prashant Kapila, Chairman

The first information brochure will be circulated to members soon.

## LECTURE SERIES ON ENGINEERS & THE SOCIETY

In continuation of the first Lecture series held from August 2018 to January 2019, CEAI is organising series of six monthly lectures at Indian International Centre, Lodhi Road New Delhi from December 2019 to May 2020. The topics for the six lectures will be as follows:

1. Role of Standards and Certification for Quality
2. How to Enhance Road Safety
3. Smart Cities
  - a. Mobility
  - b. Water
  - c. Solid Waste
4. Project Management and its Intricacies
5. Asset Management
  - a. Road
  - b. Railways
  - c. Buildings
6. Emerging Technology Solutions for the Built Environment

The first Lecture will be held on 24<sup>th</sup> December 2019 on the topic 'Role of Standards and

Certification for Quality'. Details will be circulated soon.

### QUALITY MANAGEMENT SYSTEM – ONLINE SURVEY

CEAI is conducting an online survey as a follow up action of recently formulated CEAI **Strategic Plan 2019-2024**. The Strategic Plan Report's recommendatory action plans serve as a guide to CEAI activities.

CEAI Governing Council has formed the Ethics and Quality Committee under the Chairpersonship of Ms Sayona Philip, immediate past President of CEAI.

'Quality' has been incorporated for the first time, as CEAI had presumed that its members always make it certain to provide 'quality' engineering services. However, based on feedback received from clients and Multilateral Development banks, CEAI realised that there was room for improvement and that CEAI should do its bit to promote quality of engineering consultancy services.

The Committee framed a Terms of Reference to address quality related concerns and have formulated an action plan.

The initial steps proposed are to,

- Identify those companies who are ISO-9001 certified and create a data base
- Where companies are not certified, encourage them for
  - adoption of a Quality Policy
  - effective implementation of Quality Management Systems in accordance with the requirements of ISO 9001 / relevant standards

More than 50 members have participated in the survey and CEAI thanks all of them for their

cooperation for the successful conclusion of the survey.

### ISSUES OF CONCERN FOR CONSULTANTS

The Consultants while providing consultancy to their clients, both from Government and Public Sector as also from Private Sector, face many issues. In order to improve the working condition of the Consultants, the Association wish to identify major issues and problems which the Consultants are facing in general. Solution for same, are proposed to be taken up with the client organizations, after scrutinising these.

In view of the above, CEAI Institutional Relations Committee has requested members to send their feedback on the problems or issues which they are facing as a Consultant. We have received response from a few members and would like others to help by responding.

### REPORT FROM REGIONAL CENTRES

#### WESTERN REGION

#### Workshops on “Tubular Structures and Welding Techniques”, Goa

The Association of Consulting Civil Engineers [ACCE(I)] Goa Centre organized Workshops on 22<sup>nd</sup> and 23<sup>rd</sup> November 2019 at Goa Engineering College, Farmagudi – Goa on “*Tubular Structures and Welding Techniques*”. The Workshops were accredited by the Engineering Council of India and their members who attended the seminar, were eligible for 16 points. The workshops were supported by CEAI.

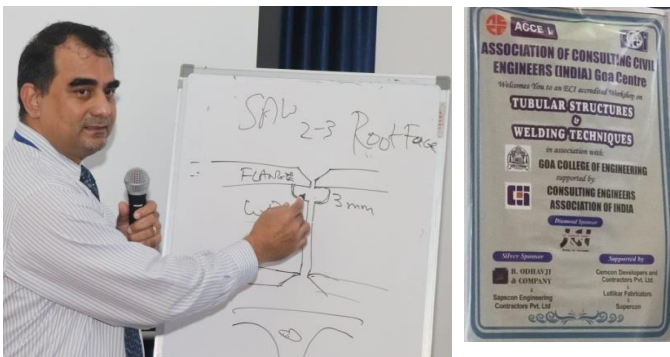
Mr. Jeffrey Nambiar, Hon. Secretary cum Treasurer CEAI-Western Region Centre was a key speaker at the seminar to give lectures on welding for tubular structures.

On 22<sup>nd</sup> Nov 2019 Mr. Nambiar gave lectures at the “*Workshop for Welders & Fabricators*”. There were 36 welders plus others who attended the workshop. He focused his lecture mainly on

“Shielded Metal Arc Welding Process”, to suit the audience and Types of Weld Defects. He emphasized on the importance of good welding procedures, control of consumables, importance of preheat, proper weld geometries, qualifications for different weld positions especially the TKY joints. He also provided handouts of the different weld processes, like “Gas Tungsten Arc Welding”, “Submerged Arc Welding”, “Gas Metal Arc Welding” and explained the Do’s and Don’ts while trouble shooting.

Later practical demonstration and practice sessions were held for all the welders. An expert welder who had been especially taken by Mr. Jeffrey Nambiar from Mumbai guided the participants in batches on butt joints in beams and TKY joints in thin box tubular sections.

All the participants were extremely happy with the workshop because of the theoretical and practical learning that they could get from it. They interacted a lot with Mr. Nambiar.



Mr. Jeffrey Nambiar explaining salient points



Practical workshop for Welders in progress



The Professional Engineers on Day 2

On 23<sup>rd</sup> November he gave a lecture to Professional Engineers on “Welding Techniques & Joints in Tubular Structures”. In this Mr. Nambiar covered Welding, Types of Joints, Non-Destructive Testing suitable for structures, Weld Symbols and Defects associated with improper Welding procedures. The second day workshop was attended by practically all the Consulting Structural and Civil Engineers in Goa including those from Contractors. There were over 50 persons in the audience. Mr. Nambiar stressed on adopting and following the correct procedures, case by case, so that the welded joints meet the design and performance requirements. He also stressed on the need to ensure that the welder is properly qualified for the job before being allowed to do it. The different defects in welds, if the correct procedure and posture are not followed, or the joint design did not factor in severe shrinkage stresses, were also highlighted. Testing of the welds was also driven home especially of those joints which would become inaccessible later on. In this workshop also the interaction was intensive and the participants enriched their knowledge.

The take away from such supportive networking, among like associations, could build future goodwill, towards initiation of CEAI’s strategic plan, for development of a city centre in the state.

### SOUTHERN REGION

The Fourth Meeting of CEAI – SRC was held on Tuesday, November 27, 2019 at Speakers Lounge during GES 2019 in Bangalore. Following points were discussed.

1. CEAI SRC was actively involved in GES 2019. Dr Malur moderated and Mr Samuel participated in a Panel Discussion on Champion Sector session on Engineering and Construction Services. President, CEAI was also a Panelist.

2. Based on the feedback and inputs received from DG SEPC, it was decided to hold a one-day session on Engineering and Construction Services jointly to be organized by SEPC and CEAI in the month of January 2019 at New Delhi. CEAI SRC will be organizing this event.

3. President, CEAI advised SRC that a training program on FIDIC Contracts may also be planned in the month of February 2019 in Bangalore and promised support from CEAI Admin for the same. President stated that the extract of World Bank clause that all projects should be on FIDIC guidelines will be sent by him to SRC.

4. Mr Samuel stated that he knows the Chief Secretary of GoK well and will secure his appointment in third week of December 2019 (week starting 16th Dec) for discussions on the sponsorship and/or participation from the government in the FIDIC contracts training program.

#### 5. Pictures from GES 2019



Mr Sudhanshu Pandey, Additional Secretary, MoCI addressing delegates



Dignitaries on the stage releasing a brochure on Engineering and Construction Services  
(from Left to right: Ms Sangeeta Godbole, DG SEPC; Mr Anbu Samuels, Director – Stup Consultants; Mr Amitabha Ghosal, President, CEAI; Mr Sudhanshu Pandey – Additional Secretary, MoCI, GoI; Dr Rajashekhar Malur, CTO – Tata Consulting Engineers; Mr Alok Nanda, CTO – GE South Asia and CEO – GE India Technology Center; Mr Bharat Gala, Director – Atkins India; Mr Ganesh Iyer, CTO – Knowledge Lens Pvt Ltd)

#### INTERNATIONAL CONFERENCE ON 'RESILIENT INFRASTRUCTURE FOR BETTER TOMORROW'

The Nepalese Society of Consulting Architectural and Engineering Firms (SCAEF), organised an International Seminar on 'Resilient Infrastructure for Better Tomorrow' on 18-20 November 2019 at Kathmandu, Nepal.



*President CEAI signing the MoU with SCAEF*



*Mr. K. K. Kapila delivering Key Note address*

SCAEF was invited Mr. K. K. Kapila for delivery a Key Note speech and Mr. Amitabha Ghoshal, President CEAI for presenting a paper at the Conference. Mr Ghoshal and Mr Kapila attended the Conference for their presentations.

### **CEAI SIGNED MOU WITH FIDIC MEMBER ASSOCIATIONS**

With a view to promote and develop the engineering industry in India and abroad, CEAI signed MoU with the following FIDIC Member Associations:

- a) Society of Consulting Architectural and Engineering Firms (SCAEF), NEPAL
- b) Stowarzyszenie Inżynierów Doradców I Rzeczoznawców (SIDIR), POLAND

The MoUs cover:

- Exchange of information on Consultancy opportunities and technical developments
- Joint study and research activities
- Joint seminar and symposium
- Firm level cooperation
- Promotion of other cooperation on mutually beneficial basis in the field of engineering

### **PANEL DISCUSSION AT GES (GLOBAL EXHIBITION ON SERVICES) AT BENGALURU, 26-28TH NOVEMBER**

SEPC (Services Export Promotion Council) under Ministry of Commerce, Government of India,

organised a grand three day meet with foreign buyers along with a very large exhibition displaying Indian Prowess in Service sector.

A panel discussion on the theme of Engineering Consultancy services were organised as a part of the event where President CEAI, Chairman South zone, Dr. Rajsekhar Mallur and Mr. A. T. Samuel from South zone were speakers. Mr. Sudarsan Pandey, Addl. Secretary, Ministry of Commerce during his address indicated the GoI is now very keen to push the Engineers Bill. GoI also now recognise the importance of the Consultancy services as that gives a boost to export of Construction services and Construction materials supply. SEPC highly appreciated the value of CEAI and promised to organise shortly a further event on the theme of Consultancy export.



## CEAI INTERVENTION

**CEAI has been consistently trying to improve the contract conditions under which Consulting Engineers operate, some of the efforts are listed for wider knowledge of members.**

### ISSUES NEEDING URGENT ADDRESSAL

CEAI wrote a letter to the Chairman, NHAI on 1 November 2019, inviting his attention to the following two critical issues which need urgent addressal to enable the consultancy sector to provide efficient and quality services.

#### 1. Restoration of Omnibus Bank Guarantee

Historically, the Bank Guarantees prior to 2014 for Performance of projects involved providing individual Bank Guarantee project-wise by the Consultants at the rate of 2.5% of the project cost. The preparation of BG necessitates a deposit of 20 to 25% to the Banks, besides BG charges of around 3%. Banks have been reluctant to issue the BGs and have been demanding more and more collateral securities.

Taking into consideration the plight of the Consultants who were coming under increasing cash flow crunch, the MoRTH and NHAI, at the request of CEAI had introduced the System of Single Performance Bank Guarantee or Omnibus Bank Guarantee. This was working well, taking care of the mutual interest of MoRTH / NHAI and the Consultants. However, in July 2018, the old system of providing project-wise BG had been re-introduced by the MoRTH / NHAI. Besides an increase in the amount of performance guarantee from 2.5% to 10% had been effected.

CEAI have strongly pleaded for restoration of status quo and revert to the practice of Single Performance Omnibus Bank Guarantee.

CEAI have also requested that for those projects where contracts have not yet been signed, the Performance Guarantee may be taken at 2.5% instead of 10%.

NHAI has already done away with the practice of seeking Bid Security from Contractors, for respective bids. While CEAI welcome this gesture, reprieve for consulting fraternity have been solicited.

#### 2. Allotment of Specific Code No. for Each Project

NHAI has decided to allocate specific Code No. for each project being implemented. Due to lack of coordination between the Project Directors / RO and the HQ, this procedure is taking substantial time and as a result, the due payments of Consultants are being withheld, causing financial distress.

Since the process had been continuing and delaying payments, CEAI had made a request to the then Chairman of NHAI, who had very kindly issued instructions to all concerned to release payments within 5 working days for undisputed payments/ bills vide NHAI/ Policy Guidelines/ Consultants/ 2019 No. 9.2.28/2019 dated 22nd October 2019.

As these payments have still not been received in many cases, CEAI requested that the contents of this Circular be reiterated and arrangements made to ensure that directions contained in this Circular are carried out, without any further delay.

## EXHIBITION ON STRUCTURAL WORK OF MR MAHENDRA RAJ

An exhibition is organised at Kiran Nadar Museum of Arts, showcasing structural works of Mr Mahendra Raj, Chairman Emeritus of CEAI, is presently on public display. The prominent works like Hall of Nations, Akbar Hotel, Srinagar Stadium, Vidhan Bhawan, Tagore Hall, Sardar Patel Stadium, NCDC Building, and similar structures and their detailed drawings are being illustrated.

The museum also showcases videography of Mr Mahendra Raj discussing over the structural aspects, the timeline chart depicting his life fully devoted to the structures.

The main attraction point of the exhibition are his two really special structures, Hall of Nations and Akbar Hotel. The Hall of Nations was at its time one of the most interesting and challenging work with the concrete frame structure. The concept was really innovative and new in concrete design. The museum exhibits its half built model made from straws to catch the eyes of the visitors coming there. It also exhibits the reinforcement detail of joints formed in Hall of Nations with actual reinforcement bars. The second showcasing is of the Akbar Hotel where a very new concept of using Transfer girders were introduced to transfer the load of the structure to mother earth. This interesting concept had been transformed into a model showcased in the museum.

The exhibition is opened for all visitors till 16<sup>th</sup> December 2019 at Kiran Nadar Museum of Art, 145, DLF South Court Mall, Saket, Saket District Centre, New Delhi 110017.

The exhibition would be an opportunity to learn various aspects of Structural works executed by Mr Mahendra Raj.

## OBITUARY



With profound grief, it is to inform that Prof Anand Swarup Arya left for heavenly abode recently.

Prof Anand Swarup Arya, a graduate from IIT Roorkee (University of Roorkee) Eminent Structural engineer, known for his expertise in the soil and foundation engineering and earthquake disaster management. He was a former chairman of the Bureau of Indian Standards (BIS) Committee on Earthquake Engineering and a recipient of the United Nations Sasakawa Disaster Prevention Award of 1997. The Government of India awarded him the fourth highest civilian honour of the Padma Shri in 2002.

## NEW MEMBERS

The following members have joined CEAI in November 2019:

### Member (Individual)

#### **Mr Joydeep Kumar Chakraborty**

5-A, Purna Chandra Chatterjee Lane, Kolkata-700037. Mob: 9836186271, Email: joydeep.jucivil06@gmail.com

#### **Mr Karmvir**

Sector 11, House No 841, Vasundhara, Ghaziabad-201012. Mob: 9873937399  
Email: singhkarmvir1958@gmail.com

#### **Mr Romajit Konsam**

Khurai Konsam Leikai, Ukhrul Road, Near Bamon Leirak, P O Heinaumakhong, PS-Porompat, Imphal East, Manipur-795010  
Mob: 7005241610  
Email: romajit.konsam@gmail.com

#### **Mr Amit Mahajan**

Director  
Mahajan Consultants  
Nakshtra Tower, Chikhli Road, Buldana-443001  
Mob: 9422180364, mahajan.con@gmail.com



**Mr Nand Lal Verma**

House No 326, Sector 21-B (Near Jeeva Public School), Faridabad-121001  
 Mob: 9873716450  
 Email: vermanl1966@gmail.com

**Member (Organisation)**
**NIPPON KOEI India Pvt Ltd**

5th Floor, Eros Corporate Tower, Nehru Place,  
 New Delhi-110019, Ph: 011-66338000 Mob:  
 9811552417, Email: b.amit@nkindia.in  
*Mr Shinji Tsuboi, Managing Director*

**CEAI extend a warm welcome to the new members and look forward to their active participation in the activities of CEAI.**

**VIEW POINT**

The themes for the next four issues of Viewpoint spread over a year would be:

- Pollution** (December 2019)
- Building Services** (March 2020)
- New Materials & Systems for Buildings** (June 2020)
- Stakeholder Management in Public Infrastructure Projects** (September 2020)

Considering the experience of CEAI members and various stakeholders in the subjects, CEAI would be happy to receive articles on the above themes. Authors could 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 our readers for better appreciation of the issues encountered and addressed.

The articles for an issue need to reach CEAI at least 6 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 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 an 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 (from Dec 2019 to September 2020) * (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 booked till December 2019.

\*\*\*Inside Front Cover booked till June 2021

\*\*\*\*Inside Back Cover booked till June 2020