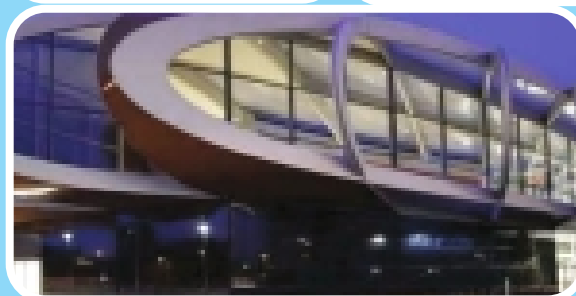
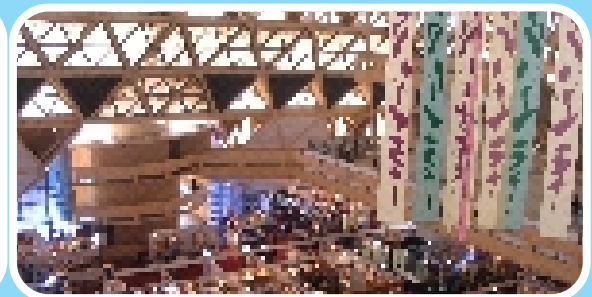
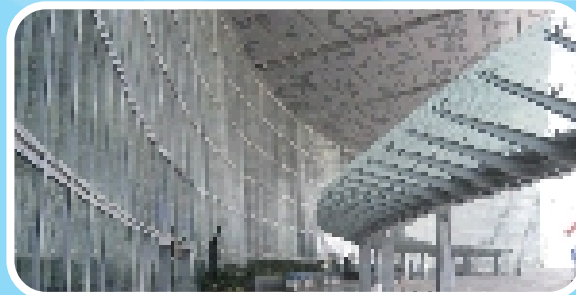


March 2015

# VIEW POINT



CONSULTING ENGINEER



NEWSLETTER OF CONSULTING ENGINEERS ASSOCIATION OF INDIA



CEAI Centre, OCF Plot No 2, Pocket 9, Sector B, Vasant Kunj, New Delhi 110070  
Tel: 91-11-26134644 Telefax: 26139658  
Email: [ceai.ceai@gmail.com](mailto:ceai.ceai@gmail.com), Website: [www.ceai.org.in](http://www.ceai.org.in)



MEHRO CONSULTANTS



### YEAR ESTABLISHED - 1982

#### Specialization & Services:

Structural Engineering: Design of Multistorey Office/Commercial/ Residential/ Mall/ Multiplex, Air-Terminal Structures, Industrial Structures, Roads & Bridges, including 800 tall buildings in the storey range of 10 to 40 and 30 airport terminal buildings, peer review and detailed proof checking of designs.

#### Principal Consultants:

1. **Mr. S C Mehrotra - Principal Consultant & Chief Executive:** - M.Tech. (Structural Engineering) from I.I.T. Delhi having 43 years of Experience, Former President of Consulting Engineers Association of India (CEAI), Present Chairperson of Membership Committee of FIDIC, Former President -Indian Association of Structural Engineers (IAStructE)
2. **Prof. K. K. Nayar - Special Advisor:** B.Sc. Tech. (Hons.), from Manchester, M.Sc. (Str. Engg.), from Manchester, having 48 years experience. Former Professor at I.I.T. Delhi.
3. **Mr. Deepak Thakur - Principal Consultant :** Post Graduated in Structural Engineering from Delhi College of Engineering having professional experience of 33 Years of experience.



MEHRO CONSULTANTS, A-1/36, SAFDARJUNG ENCLAVE, NEW DELHI - 110029  
[www.mehroconsultants.com](http://www.mehroconsultants.com)

# Contents

---

- From Chief Editor's Desk 1
- CEAI Governing Council 2014-2016 2
- The Architects - Engineers Conundrum 5  
*Mr. A. P. Mull*
- Mechanism for Levying of Service Tax needs Review Post Haste 7  
*Mr. K. K. Kapila*
- Management of Harmful Pollution Parameters in Indian Cities 8  
*Mr. A. S. Brara*
- Celebrating 'Women Engineers Year 2015' 11  
*Ms. Sayona Philip*
- CEAI YPF - Hitting the Ground Running 12  
*Ms. Atasi Das*
- CEAI News 13
- FIDIC News 20
- Other News, Views & Notes 21

## **Editorial Board**

### **Chief Editor**

Dr. Samarjit Chatterjee

### **Members**

Mr. Sudhir Dhawan, *President*

Mr. A. P. Mull

Mr. V. P. Agarwal

Mr. Somenath Ghosh

Ms. Anita Manchanda



## From Chief Editor's Desk



*Dear fellow Consulting Engineers,*

I am back at the View Point editor's desk and addressing you through this column after over two years. A lot of water has flown under all the bridges and CEAI is no exception. CEAI has been proactively spearheading and taking up various issues concerning the engineering fraternity. CEAI has also intensified the pursuit with time - to address old concerns and the new ones as they surface. Some of the issues are not the result of government rules (or, lack of them) but are rather unfortunately being created for self aggrandizement by some professional bodies.

Public Notices are being issued by professional bodies disseminating wrong information and half truths and attempting to create a monopoly of sorts and thereby illegally and unfairly taking away the rights of engineers, particularly of civil engineers, to take up building jobs. As a part of their game plan they are strongly advocating certain amendments to the Architects Act, which would tantamount to them becoming a power unto themselves.

In the preparation of Unified Building Bye-laws for the NCRT, the MOUD unfortunately in it's misguided wisdom, authorized a committee of only Architects (DUAC) and Delhi Development Authority. That Committee is not prepared to listen to the voice of reason that it's the practicing engineers, on whom the onus of stability, safety and security of building rests. When that is the case then how can only "architects" be a part of a Committee which is going to decide on Bye-Laws crucial for the sustained development of the NCRT. Projects are no more the sole prerogative of any one profession; a number of professionals from different disciplines - technical as well as non technical are necessary to effectively complete a project. We have impressed upon them that the stipulations of National Building Code 2005 should be adopted, since it has nationwide acceptance and is prepared under the auspices of a statutory body, which is the Bureau of Indian Standards, utilizing the expertise of eminent professionals of all relevant disciplines.

The need of the hour is to unite. Not only the consulting engineers, but also the entire engineering fraternity to combat such misguided actions by other professionals or bodies. In view of the above an initiative was taken by three professional associations, viz., Consulting Engineers Association of India [CEAI], Indian Association of Structural Engineers [IASStE] and Association of Consulting Civil Engineers (India) [ACCE(I)] to call the First National Open House Meet of Engineers on 17 March, 2015 in Delhi. Many other bodies/ organizations of engineers, including Institution of Engineers (India), sent their representatives. Around 180 participants attended, of which more than 110 had come from outside Delhi. The meet was highly successful and it was decided to form an Engineers Action Group (EAG) to steer the movement forward. All other such associations of engineers have been invited to join. The Institution of Engineers (India) has agreed to join wholeheartedly and also lead the joint efforts.

We are continuing to pursue the legislation for regulation of the Engineering profession and practice which would accord much needed recognition to our profession. To make the Government take action all engineers must speak in one voice, under one leadership. Once that goal is achieved, we shall be recognized at par with other professions and shall have a level playing field.

Best regards.

*A. Chatterjee*  
Samarjit Chatterjee



## GOVERNING COUNCIL 2014-2016

### PRESIDENT



**Mr Sudhir Dhawan**  
Chief Executive Officer  
Aether Engineering Solutions Pvt Ltd

### VICE PRESIDENTS



**Col. Vijay Kumar Ganju (Retd.)**  
President  
Feedback Infra Pvt Ltd



**Dr Harshavardhan Subbarao**  
Chairman & Managing Director  
Construma Consultancy Pvt Ltd

### HONORARY SECRETARY



**Mr Somenath Ghosh**  
Former CMD, NRDC

### HONORARY TREASURER



**Mr R S Sharma**  
Managing Director  
Sugam Technocrats Pvt Ltd

### IMMEDIATE PAST PRESIDENT



**Mr A P Mull**  
Former Director  
Tata Consulting Engineers Ltd





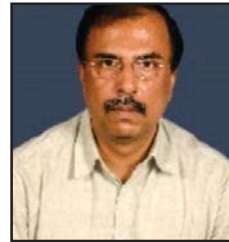
**MEMBERS**

**Mr Sitaram Aggarwal**  
Individual Consultant



**Mr Alok Bhowmick**  
Managing Director  
B&S Engineering Consultants  
Pvt Ltd

**Dr Samarjit Chatterjee**  
Principal Consultant  
S Chatterjee Associates  
Consultants Pvt Ltd



**Mr D N Chattopadhyay**  
Partner BABTECH

**Mr Pradeep Chaturvedi**  
Former Chairman, IEI - Delhi



**Mr Srikumar Ghosh**  
Former Chief Advisor &  
Director (Emeritus)  
CES (I) Pvt Ltd

**Mr Sutanu Ghosh**  
Managing Director  
Ghosh, Bose & Associates  
Pvt Ltd



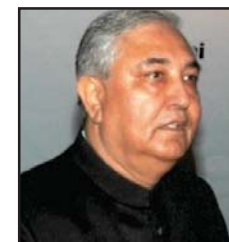
**Mr Amitabha Ghoshal**  
Chairman-Eastern & North  
Eastern Region  
Vice President Stup Consultants  
Pvt Ltd

**Mr O P Goel**  
Former Director General  
CPWD



**Mr Raju Gogia**  
Engineering Projects Consultants

**Mr K K Kapila**  
Chairman & Managing Director  
Intercontinental Consultants &  
Technocrats Pvt Ltd



**Mr Rajan Malhotra**  
Regional Manager  
Larsen & Toubro Ltd- ECC  
Division



**Ms Sakshi Mehra**

Consultant  
Mehro Consultants



**Mr S C Mehrotra**  
Principal Consultant & CEO  
Mehro Consultants

**Mr Dhaval M. Parikh**

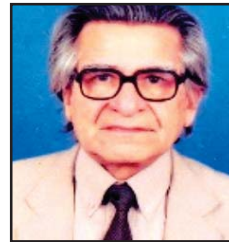
Executive Director & COO  
SAI Consulting Engineers Pvt  
Ltd



**Ms Sayona Philip**  
Senior General Manager  
Tata Consulting Engineers Ltd

**Brig. C D Puri (Retd.)**

Former Managing Director  
URS Scott Wilson India Pvt Ltd



**Mr Mahendra Raj**  
Chairman & Managing Director  
Mahendra Raj Consultants Pvt  
Ltd

**Mr Uttam Sengupta**

Chairman-  
Western Region Centre  
General Manager -Risk  
Management Voltas Limited



**Mr Umesh Shrivastava**  
Executive Chairman  
Holtec Consulting Pvt Ltd

**Mr Virendra Kumar Singh**

Assistant General Manager  
(Railways)  
Delhi Integrated Multi-Modal  
Transit System Ltd



**Mr Sunil Srivastava**  
Chairman - Southern Region  
Centre Managing Director  
Balaji Railroad Systems Ltd

**Mr M S Sundaram**

Managing Director  
J P Mukherji & Associates Pvt  
Ltd



**Mr A K Tyagi**  
Chairman & Managing Director  
MECON Limited





## THE ARCHITECTS - ENGINEERS CONUNDRUM



*Mr. A. P. Mull*  
*Past President CEAI*

The whirlwind of the Architects – Engineers Conundrum is going on whirling, fueled by the erroneous notion of exclusivity over a perceived domain of work repertoire by a group of persons.

To understand the issues related to these it is necessary to look at the etymology of these two words. As per the ‘Online Etymology Dictionary’ the origin of the words are:

· **architect (n.)**

1550s, from Middle French *architecte*, from Latin *architectus*, from Greek *arkhitekton* “master builder, director of works,” from *arkhi-* “chief” (see **archon**) + *tekton* “builder, carpenter” (see **texture**). An Old English word for it was *heahcræftiga* “high-crafter.”

· **engineer (n.)**

mid-14c., *enginour*, “constructor of military engines,” from Old French *engigneor* “engineer, architect, maker of war-engines; schemer” (12c.), from Late Latin *ingeniare* (see **engine**); general sense of “inventor, designer” is recorded from early 15c.; civil sense, in reference to public works, is recorded from c.1600 but not the common meaning of the word until 19c (hence lingering distinction as *civil engineer*). Meaning “locomotive driver” is first attested 1832, American English. A “maker of engines” in ancient Greece was a *mekhanopios*.

From the above it can be seen that

- the word ‘engineer’ predates the word ‘architect’ and also encompassed the word ‘architect’.
- the word ‘engineer’ was originally associated with ‘military engineering’.
- It was only when the word was used to refer to public works which were non-military works that the term ‘civil engineer’ was introduced.

Later on the terminology for other disciplines of engineering emerged to differentiate them from ‘Civil Engineering’ when knowledge relating to the other disciplines grew.

This discussion is limited to buildings since the COA and some other ‘architects’ contend that only they can enjoy the privilege of planning and designing buildings.

The practice and profession of planning, designing, supervising and certifying the stability of buildings (upto certain limits) over the years has been done by both ‘architects’ as well as ‘civil engineers’. However, with the emergence of large and tall buildings which necessitate complex planning, analysis, design, construction procedures and their supervision, etc. it was realised and thus mandated that only qualified engineers of the requisite discipline carry out the same.





The questions that arise are:

1. Can a certain group of persons claim to be the sole “doers or providers” for a certain class of works when the same can be also performed by others?
2. Can it be completely ignored that the purported class of works were and are also being performed by others?
3. Can it be disputed that the Architects Act, 1972 seeks to protect only the title and style “architect” and not the practice of profession of architecture or providing architectural services which other qualified persons are also free from practicing and providing?
4. Can it be disputed that the Architects Act, 1972 was passed after the Joint Select Committee debated and realized the implications of the provisions in the Bill and modified them to be merely confined to protecting only the use of title and style of the word ‘architect’ and to put a framework for registration under the Act?
5. Can such an attitude as being adopted by architects not be deemed to be restrictive trade practice and does it not seek to canvass a monopoly of sorts?
6. Can one section of the service providers involved in planning, designing, supervising and constructing a building be allowed to claim monopoly of the works?
7. Can such narrow minded behavior and monopolistic attitudes as being adopted by architects be consistent with the evolution of society?
8. Can such conduct and arrogance as being adopted by architects be deemed to align with the fundamental notion of a good society?
9. Above all, can such a position be deemed to be fulfilling the dire need for integrated planning, designing, supervising and construction of a building?
10. Can the ‘architect’ be deemed to be capable of planning and designing, specifying, supervising and certifying buildings, especially tall buildings, where wind and seismic forces play a dominant part?
11. Can the ‘architect’ be deemed to be capable of planning and designing, specifying, supervising and certifying the claddings, fenestrations, doors, lifts, systems for HVAC, plumbing, electrical, fire suppression, communication, security, safety, building management, etc. so that they perform ?
12. Can it be overlooked that the future of the professions of both architects and engineers in a complex world is becoming multi-disciplinary and overlapping?

Looking at the above rationally, the answer would in all cases be in the negative.

The Joint Select Committee and the Members of the Parliament debated the difficult task of reconciling the profession of engineering and architecture. In one of the Parliamentary debates, the then Chairman of the Joint Select Committee, Mr. M.H. Samuel informed the House that the original Bill had a **definition of an ‘architect’** which they realized **impinged upon the function of an engineer**. As a result after some debate, the Committee came to a conclusion that it was better **not to define an ‘architect’** generally but merely confined the provisions to an ‘architect’ registered under the Act. All this was over half a century ago and even today the situation is not much different.

With buildings for each type of function, be it residential, commercial, hotels, hospitals, institutional, educational, et al becoming a specialized service the need is to have persons who have the capability and the capacity to take up the project – end to end and deliver them fit for the intended purpose and duration. Therefore to adopt non-inclusive approaches is counter productive to growth.

The Engineering profession is not yet covered by any legislation as are many other professions in the country, although the engineering professionals form the largest numbers. Projects which are vital for the country need professional engineers to make them fructify and be converted to reality. Thereafter the professional engineers are also necessary to operate and maintain them for the benefit of the society at large. With the scale and complexities of projects growing and smart amenities and facilities being the order of the day, professional from multiple disciplines are indisputably necessary for any work that is undertaken.





# M

## MECHANISM FOR LEVYING OF SERVICE TAX NEEDS REVIEW POST HASTE



*Mr. K. K. Kapila, Co-Chair FICCI Infrastructure Committee,  
Chairman & Managing Director, ICT Group of Companies*

The contribution of service sector to GDP is continuously increasing in India and is estimated to be at 57% of the GDP. India has the second fastest growing services sector with its compound annual growth rate at 9% in FY 2014 as compared to 6.8% during FY 2013. This is poised to further increase year on year with sustained policy initiatives being taken by the Government to attract investments in core sectors like industry, telecom, infrastructure, health, education, etc.

Introduced in 1994, the service tax grew from 3 to cover 119 services, except negative list of services as specified by the Government, with a corresponding growth in the tax rate from 5% in 1994 to 12.36% in 2013-14. The Union Budget for FY2015 has further raised this to a flat rate of 14% which will come into effect with the enactment of Finance Bill 2015. Subsequently, service tax collection, which has become a new focus area for revenue department, grew by 18.2 per cent to Rs 1,34,171 crore in April-February FY 2014, against Rs 1,13,505 crore in the same period of FY 2013.

Ironically, the present system of Service Tax collection mechanism is taking its toll on the consulting fraternity who are already cash strapped due to the sluggish market. Prior to 2012, the Finance Bill provided that the service provider was required to deposit the Service Tax within a prescribed period of its receipt from the service receiver. This mechanism of tax collection had been functioning satisfactorily, barring some exceptions where a few service providers might have delayed the deposit of the Service Tax, even after receipt of the same from the provider. In our opinion, such defaulters/offenders should have been dealt with, on case to case basis.

The Ministry of Finance, vide its notification no. 25/2012 dated 20/6/2012 of the Finance Act 2012, shifted the compliance responsibility for Service Tax from the Service Receiver (Government of Private Sector) to the Service Provider – Consulting Engineering Companies (CECs).

This has imposed drastic financial liability on CECs to deposit the Service Tax within 30 days of raising the Bill, despite the payments for the invoice raised have been received from the Government or the Private Sector (Service Receiver) or not. Any delay attracts an interest of 18%. Further, for delayed payment beyond 6 months, the interest rate is increased to 24% and beyond 12 months to 30%. This has practically crippled the CECs who have low capital base and are forced to borrow money to pay the Service Tax. Since CECs are playing a crucial role in providing services relating to Survey, Investigation, Design, Project Preparation, Supervision and Implementation for infrastructure Projects, it is essential to address this important issue relating to Service Tax, on top priority.

For addressing this issue, the following suggestions could be considered and implemented expeditiously to provide a level playing field for the Consulting Fraternity.

- (a) To restore the earlier point of taxation, i.e. Service Tax to be paid within 30 days of its receipt from the Client.
- (b) The Client can pay the Service Tax payable to Consulting Engineering Companies directly to the Authorities against the Service Tax account of the CEC, just as he does for the Income Tax under TDS Provision.

The above shall go a long way to tide over the problems of payment of Service Tax to the Authorities, and also relieve the unwarranted financial burden on the service providers like the CECs, to a great extent. This, in turn, will also help the Government to collect revenues, encourage defaulters to comply and ensure full compliance and ultimately promote the service sector to further grow and serve the growing demands of the economy. It will also restore the health of the Consulting Engineering Companies, which is currently in a precarious condition. The healthy condition of the CECs is essential for development of infrastructure in the country.



## MANAGEMENT OF HARMFUL POLLUTION PARAMETERS IN INDIAN CITIES



*Mr. Arvinder S Brara*  
*Chairman and Managing Director, Mantec Consultants Pvt. Ltd.*

### Introduction

Delhi and other Indian cities have been reported in the press to be one of the most polluted cities in the World. Comparison between pollution level in Beijing and Delhi has been a yoyo affair with most Indian articles saying Beijing is more polluted whereas Chinese and other World Organizations make Delhi the negative champion. It is not important whether Beijing is more polluted or Delhi. What is important is the Delhi's air pollution parameters are seriously harmful to health.

As head of a well known organization in the field of Environment, I would like to suggest some practical actions to help reduce the pollution levels in Delhi and other cities, categorized as one of the most polluted cities in the world, to help restore various air, water, soil, noise and ecology parameters to levels safe for the health of its citizens and visitors. I would like to contribute in an honorary capacity to help implement the following various practical and cost effective suggestions.

- 1. Reduction of Air Pollution:** The various practical steps are as follows to reduce air pollution in Delhi and other cities, which has reached alarming levels of  $480 \text{ } \mu\text{g}/\text{m}^3$  for solid particulate matter (SPM) whereas the safe limit for humans is only  $60 \text{ } \mu\text{g}/\text{m}^3$ .
  - i) Reduce Traffic based air pollution by starting car pool lanes for those cars and 4 wheelers having 3 or more passengers as widely practiced in various countries to encourage people to travel by pooled cars and four wheelers helping to reduce traffic congestion as well as air pollution.
  - ii) Mark out Bicycle lanes in residential colonies and all roads in cities to encourage safe travel by bicycles.
  - iii) Encourage citizens to walk short distances instead of using a four or two wheeler by improving the pavements and safe walking facilities on the roads of residential colonies.
  - iv) Encourage greater use of public transport by supporting the Metro, Rapid rail and bus services to make it convenient for people to travel by public transport affordably and safely instead of commuting by their own vehicles.
  - v) Encourage use of CNG in motor vehicles as it is a much cleaner fuel than petrol or diesel by reducing the road tax and sales tax on CNG filled cars as compared to petrol and diesel vehicles.
  - vi) Encourage more fuel efficient 4 wheelers with better mileage per liter through road tax and sales tax incentives in addition to the CNG requirement.
  - vii) Encourage 6 axle trucks rather than the typical 4 axle trucks to increase the load per truck for reducing the number of trucks on the roads.
  - viii) Improve considerably the poor road signs so that people do not travel extra to locate their destination. All the signs must be signposted at two or three places well before the turning.
  - ix) Improve the maintenance of roads to reduce the travel time.
  - x) Encourage shared taxi services by developing a website by the transport department of all cities and encourage cabs to offer reduced fares for shared taxi travel.
  - xi) Burning of leaves, old tires or any other item in the open be made a punishable offence with a fine of Rs. 10,000/- per incident and prosecution as this is a major cause for adding to air pollution.



xii) Solar panels should be encouraged to be installed on multi-storey buildings, commercial establishments and also on residential buildings so that decentralized power is generated with suitable subsidies to make it financially viable for all.

**2. Reduction of the harmful Noise Pollution levels:** The noise pollution is increased by blowing horns needlessly causing irritation, road rage and unnecessary stress. Blowing the horns in vehicles should be discouraged by use of stickers “AVOID USING YOUR HORN AS IT CAUSES NOISE POLLUTION AND STRESS”.

**3. Reducing river and water bodies pollution:**

- i) Put up sign boards not to discharge untreated sewage or waste into the river or water bodies making it an offense punishable with a fine and/or imprisonment.
- ii) Put up sign boards for individuals not to throw any bottles, food, or garbage etc in the rivers or water bodies making it an offense punishable with a fine and prosecution.
- iii) Use trash nets in river and water bodies as used in other countries to collect and dispose of floating debris and muck from rivers and water bodies. Details are available at [www.kepnerplastics.com](http://www.kepnerplastics.com).
- iv) Provide clean toilets/ shauchalyas on the river fronts which should be available where people congregate to use them for a reasonable charge of Rs. 5/- making open defecation and urination an offense subject to a fine and or/ prosecution.
- v) Encourage corporates under the corporate social responsibility to adopt sections of rivers (3 mile stretches) through cities to maintain the shores and the river front from pollution and get recognized by putting their sign board.
- vi) Publicise people participation in helping to keep river and water bodies clean by not throwing any items in them and discouraging others from doing so as well. Provide a hot line to report environment offenders to enforce compliance.

**4. Reduction of sewage pollution:** Untreated sewage is a serious pollution with residential areas such as the recent reported incident that Gita Vidya Niketan School in Pushp Vihar, New Delhi had to be shut down twice as the main sewage lines running parallel to the school got choked and backed up spreading the sewage all over the school compound. The various practical methods to reduce the untreated sewage are as follows:

- i) Use root zone treatment, in public parks of colonies to treat and use sewage from residential homes and flats. This method is widely prevalent and has been successfully demonstrated in areas such as Tihar jail but needs to be promoted. The water from the underground root zone treatment plant can be used for watering the plants in the parks as well as recycling sewage to produce fertilized soil and water for gardening.
- ii) Use of dry toilets should be encouraged.
- iii) All new residential areas and towers across the country must have root zone treatment or sanitary pits to be used to avoid the need and costs of collecting and treating sewage in the traditional manner.

**5. Mass movement and legislation to keep India clean:**

- i) Like in Singapore and other countries throwing any paper or waste from the car or on the roads is an offense punishable with heavy fine. We should introduce such legislation to emphasis the need to help keep India clean with a minimum fine of Rs. 1000/-.
- ii) Dust bins and waste bins must be provided in all parks and public areas to encourage cleanliness and proper individual social responsibility to use such waste bins.



- 6. Reduction of the garbage menace:** Garbage is a source of diseases creating bad smell and sight in all colonies of Delhi and other cities by becoming a menace of huge proportions. Landfills are being filled making cities in India garbage dumps at various locations.

Various cost effective actions be organised to reduce and solve the garbage menace in Delhi and other cities by segregation and collection of garbage as follows:

- i) Like in other cities in the World it should be made mandatory for all households / residential colonies and small commercial establishments to segregate the garbage in 3 categories namely kitchen waste, recyclable bottles and cans and paper waste. It should be mandatory to segregate the household garbage in 3 waste bags and the RWA collection should be done accordingly. The kitchen waste should be put in pits made in parks to be covered by leaves to convert the kitchen waste to manure. The recyclable and paper waste should be sold off for recycling.
- ii) Community waste bins must be covered and so also the trucks which ferry the garbage to landfills. There should be three sets of community bins for each category of waste.
- iii) All landfills must be sanitary landfills with facilities for generation of gas and generating power from the gas. The open landfills should be banned by legislation and Municipal Corporations be made responsible for making and managing sanitary landfills with a green cover as done in all developed countries so that landfills add to the green cover rather than be an eyesore.

## NATIONAL REGISTER OF ENGINEERS

by

CEAI in collaboration with other professional associations.

### 1. OBJECTIVE

- To establish discipline wise data base of Engineers.
- Registering those engineers who provide quality services to their clients

### 2. ELIGIBILITY

- Individual Engineers
- Engineering Companies

Members of other engineering professional bodies qualify automatically.

### 3. MEMBERSHIP FORM

- Membership form available with CEAI.

**For details please contact CEAI Secretariat.**





## CELEBRATING 'WOMEN ENGINEERS YEAR 2015'

*Ms. Sayona Philip*  
*Chairperson, CEAI Women's Council*



According to a study 'Women in Engineering: A Comparative Study of Barriers across Nations', it was found that in-college environmental barriers for female engineers in India do not exist, as they do in the United States. In the United States, female engineers '..... experienced isolation, psychological intimidation and loss of confidence' that led to high female dropout rates in engineering colleges. However, in India, females in both engineering and non-engineering disciplines consistently were reported 'to be more confident, open to working with males and respected as compared to male students'. In fact the female engineering students come out to be the most confident among all the groups.

However, unlike in the banking sector where a significant number of women are top honchos of major private/public sector banks, in engineering, the number of women in top echelons are not so significant. Some credit this to the mentoring and unbiased attitude of top luminaries in the banking sector.

One may ask if this is also because the engineering sector is perceived as being predominantly male. Statistics may not bear out this fact! Whilst in India there is a higher proportion of male engineers than female (33%), the number of women engineers are not an insubstantial number.

It is an oft repeated cliché that women are unable to focus on their careers on account of marriage and children. But this does disservice to many women who have managed to balance their careers and family life and have come out on top. Today, this has been in no small measure due to several companies, encouraging gender diversity by putting various structures in place, like flexible hours, part-time work to facilitate the work-life balance, thus building a process and culture to nurture an enabling environment which attracts top women engineering talent.

However, for every company that makes this endeavour there are several who don't. It would be useful for companies, if a change program is set up as a company transformation initiative, since diversity brings a competitive advantage. Whilst we tend to focus on how this benefits women, we forget this also helps men, who want options to pursue other interests, higher studies, etc.

With a view to encouraging upward mobility in women and recognizing and rewarding their considerable achievements, the Consulting Engineers Association of India (CEAI) has planned to dedicate the year 2015, as **Women Engineers Year**.

As a part of this, CEAI proposes several activities to celebrate the Woman Engineers Year. They include,

- a) Technical lectures by women professionals.
- b) A Women's Seminar in Delhi
- c) Planned interaction of women engineers
- d) Membership enhancement of women engineers in CEAI
- e) Institution of special awards for women engineers to include:
  - Lifetime achievement award
  - Innovation in engineering design
  - Sherpa award for engineers (for carrying out projects in difficult terrains / regions)
  - Young women engineers' award
  - Award for Women Engineer Entrepreneurs



# CEAI YPF - Hitting the Ground Running!



*Atasi Das*  
*Chairperson, CEAI Young Professional Forum*

The need for engineers is growing rapidly. Highly complex, global problems require a diverse pool of engineers with a variety of skills, views, and leadership styles. Now that the job market for engineers is predicted to grow substantially over the next decade, and that the Young Professionals comprise a good percentage of the engineering workforce, it is high time that they be offered a platform presenting them with opportunities for competition, professional recognition and access to educational forums, in addition to professional and personal development for the rightful advancement of their careers. The CEAI Young Professional Forum (CEAI YPF) is such a forum represented by the YPs for the YPs to:

- Provide a voice for the young professionals within the member associations;
- Provide channels for networking, awareness and interaction;
- Publicise best practices and standards;
- Share success stories about YPs;
- Provide a supportive space for YPs to discuss and communicate;
- Pursue capacity building initiatives;
- Enhance the culture of dialogue;
- Provide connection with FIDIC;
- Enhance the profession and industry.



### ***Kick-Off Meeting***

With the impetus to grow manifold in membership and gather a general awareness about the forum, the CEAI YP team held its first kick-off meeting on 9<sup>th</sup> January 2015 at ICT Head Office, Green Park. It was well attended by both existing members and prospective members. The benefits of membership were discussed, the intent of the members noted, the platform of CEAI and FIDIC was briefed.

### ***Way Forward***

Over the coming months, CEAI YPF looks to press on the following activities:

- Promoting young professionals activities through the newsletters, website and social media;
- Encouraging young professionals to attend and present at conferences;
- Developing a ‘Young Professional of the Year’ for the region;
- Increase in knowledge base & networking opportunities; organize and hold seminars of focus, invite speakers for topics of YP interest.

Hereby, we encourage the industry leaders of each and every consulting firm and solemnly request them for the cause of promoting the interests of the Young Professionals. Please spread the word about the existence of such a forum so that the goals of the YPs could be targeted with a broader base.

If you are interested in formulating the YPs image and activities, please contact CEAI YPF Chair Atasi Das at: [atasidas@ictonline.com](mailto:atasidas@ictonline.com) or [atasid@gmail.com](mailto:atasid@gmail.com).





## CEAI NEWS

### SEMINAR ON “ROLE OF CONSULTING ENGINEERS, CONTRACTORS, DEVELOPERS AND AUTHORITIES IN INFRASTRUCTURE DEVELOPMENT”

CEAI successfully organized its Annual Seminar on the “*Role of Consulting Engineers, Contractors, Developers and Authorities in Infrastructure Development*” on 28<sup>th</sup> and 29<sup>th</sup> November 2014 at India International Centre, New Delhi.

The Seminar was inaugurated by Shri Nitin Gadkari, Hon’ble Minister for Road Transport Highways and Shipping on 28<sup>th</sup> November 2014.

The Seminar had a Plenary Session and seven Technical Sessions. A large number of experts on Highways, Airports, Power, Real Estate & Buildings, Railways, Ports and Finance shared their experiences with the participants.

A Valedictory Session was held at the end of the Seminar on 29<sup>th</sup> November 2014 wherein Shri Vijay Chhibber, Secretary, Ministry of Road Transport & Highways was the Chief Guest.



*Lighting of the Lamp by Chief Guest*



*Releasing of Souvenir*



*Technical Session in progress*



*Valedictory Address by Chief Guest, Mr. Vijay Chhibber, Secretary, MoRTH*





## CEAI NATIONAL AWARDS

In recognition of the major role played by engineering consultancy in the process of development and also to recognize and promote excellence in the Engineering Consultancy Profession; CEAI has instituted National Awards for Excellence in Engineering Consultancy Services.

The following organisations and individuals received the CEAI National Awards 2013 at an event organised on 28<sup>th</sup> November 2014:

### 1. Excellence in Engineering Consultancy (Organization)

1st Prize : L&T-Chiyoda Ltd, for their project ‘Mangalore Aromatics Complex’

2nd Prize: Aarvee Associates for their project ‘Sripadasagar Project’

3rd Prize: Tandon Consultants Pvt. Ltd. for their project ‘Badarpur Elevated Corridor’

### 2. Excellence in Engineering Consultancy (Individual)

Mr. Anal Shah, Ahmedabad for the project ‘Foundation for Liberal and Management Education (FLAME University) Pune.

### 3. Excellence in Engineering Consultancy (Young Consultant)

a) Mr. Kamalkishore Ramakant Sharma, Consulting Engineers Group Ltd

b) Mr. Shailesh Kumar Gupta, Consulting Engineers Group Ltd

for the project ‘Detailed Design of Gomati Udaipur Project’

### 4. Lifetime Achievement Awards

1. Mr. C. R. Alimchandani, Chairman & Managing Director, STUP Consultants Pvt Ltd.

2. Dr. Prem C. Jain, Managing Director, AECOM India Pvt Ltd

### 5. Special Award

A Special Award conferred on Late Dr. T. N. Subbarao for his meritorious achievements and contributions made to the Engineering profession including Engineering Consultancy.



*M/s. L&T - Chiyoda Ltd., receiving the First Prize of the Award for Excellence in Engineering Consultancy Services for Organisations*



*M/s Aarvee Associates receiving the Second Prize of the Award for Excellence in Engineering Consultancy Services for Organisations*





*M/s. Tandon Consultants Pvt Ltd receiving the Third Prize of the Award for Excellence in Engineering Consultancy Services for Organisations*



*Mr. Anal Shah receiving the Excellence in Engineering Consultancy for individuals*



*Mr. Kamalkishore Ramakant Sharma receiving the Excellence in Engineering Consultancy for Young Consultants*



*Mr. Shailesh Kumar Gupta receiving the Excellence in Engineering Consultancy for Young Consultants*



*Lifetime Achievement Award presented to Dr. Prem C. Jain*



*Lifetime Achievement Award presented to Mr. C. R. Alimchandani*

## ANNUAL GENERAL MEETING OF CEAI

The 18<sup>th</sup> Annual General Meeting (AGM) of the Consulting Engineers Association of India was held on 20<sup>th</sup> December 2014 at CEAI Centre, New Delhi. The AGM approved the following:-

1. Adopted the Annual Report of the Association for the year ended 31 March 2014.
2. Passed audited accounts of the Association for the year ended 31 March 2014.
3. Appointed Auditors for the financial year 2014-2015.
4. Adopted the following amendments in the Memorandum and Rules of the Association, as recommended by the Governing Council:

Existing Rule	Amended Rule																
<p><b>2.1: Membership Category</b> Membership of the Association shall be for both individuals and organisations and shall comprise of the following categories.</p> <ul style="list-style-type: none"> <li>• Honorary Fellow</li> <li>• Life Member (Individual)</li> <li>• Member (Individual)</li> <li>• Affiliate Member (Individual)</li> <li>• Young Professional Member (Individual)</li> <li>• Member (Organisation)</li> <li>• Member (EPC Organisation)</li> <li>• Affiliate Member (Organisation)</li> </ul>	<p><b>2.1: Membership Category</b> Membership of the Association shall be for both individuals and organisations and shall comprise the following categories.</p> <ul style="list-style-type: none"> <li>• Honorary Fellow</li> <li>• Life Member (Individual)</li> <li>• Member (Individual)</li> <li>• Affiliate Member (Individual)</li> <li>• Young Professional Member (Individual)</li> <li>• Member (Organisation)</li> <li>• Member (EPC Organisation)</li> <li>• Affiliate Member (Organisation)</li> <li>• <b>Engineering, Business and Industry associations/ Educational and Research Institutions/ Promotional Organisations.</b></li> </ul>																
<p><b>2.3: Life Member (Individual)</b></p> <p><b>2.3.1:</b> Member (Individual) who has been on the roll of the Association for <b>5 years</b> and his / her subscription is not in arrears, may opt to become a Life Member (Individual) after paying one time subscription as under: <u>Age of MemberSubscription</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a) 40 to 49 years</td> <td>15 times annual subscription</td> </tr> <tr> <td>b) 50 to 59 years</td> <td>10 times annual subscription</td> </tr> <tr> <td>c) 60 to 69 years</td> <td>5 times annual subscription</td> </tr> <tr> <td>d) 70 years and above</td> <td>2 times annual subscription</td> </tr> </table>	a) 40 to 49 years	15 times annual subscription	b) 50 to 59 years	10 times annual subscription	c) 60 to 69 years	5 times annual subscription	d) 70 years and above	2 times annual subscription	<p><b>2.3: Life Member (Individual)</b></p> <p><b>2.3.1:</b> Member (Individual) who has been on the roll of the Association for <b>2 years</b> and his / her subscription is not in arrears, may opt to become a Life Member (Individual) after paying one time subscription as under: <u>Age of MemberSubscription</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a) 40 to 49 years</td> <td>15 times annual subscription</td> </tr> <tr> <td>b) 50 to 59 years</td> <td>10 times annual subscription</td> </tr> <tr> <td>c) 60 to 69 years</td> <td>5 times annual subscription</td> </tr> <tr> <td>d) 70 years and above</td> <td>2 times annual subscription</td> </tr> </table>	a) 40 to 49 years	15 times annual subscription	b) 50 to 59 years	10 times annual subscription	c) 60 to 69 years	5 times annual subscription	d) 70 years and above	2 times annual subscription
a) 40 to 49 years	15 times annual subscription																
b) 50 to 59 years	10 times annual subscription																
c) 60 to 69 years	5 times annual subscription																
d) 70 years and above	2 times annual subscription																
a) 40 to 49 years	15 times annual subscription																
b) 50 to 59 years	10 times annual subscription																
c) 60 to 69 years	5 times annual subscription																
d) 70 years and above	2 times annual subscription																
<p><b>2.10.1(e):</b> Eligibility to seek election to the Governing Council, representing the particular Category of membership the Member belongs to. To be eligible, the Member shall have completed at least one year as member of the Association and that his/ her subscription is not in arrear for more than 3 months.</p>	<p><b>2.10.1(e):</b> Eligibility to seek election to the Governing Council, representing the particular Category of membership the Member belongs to. To be eligible, the Member shall have completed at least one year as member of the Association and that his/ her subscription is not in arrear <b>as on the last date for submission of nomination papers.</b></p>																
<p><b>2.10.1(g):</b> Only members, whose subscription is not in arrear, for more than three months, shall be eligible to vote</p>	<p><b>2.10.1(g):</b> Only members, whose subscription is not in arrear, <b>as on the last date for submission of ballot papers</b> shall be eligible to vote</p>																



## FIDIC TRAINING PROGRAMMES

CEAI successfully organized three training courses on “Practical Use of FIDIC Conditions of Contracts” in April 2015. Two in-house programmes were organized for M/s Andritz India Pvt Ltd at Faridabad and the other at Bhopal. CEAI organized in-house programme for DFCCIL engineers in Delhi. In all, about 130 engineers were trained. Mr Bogdan Oprea, the FIDIC accredited trainer, conducted the training.

CEAI is planning to organize another FIDIC training programme in July 2015. Please contact CEAI Secretariat for more information about the training programmes.

## FORTHCOMING ACTIVITIES

In addition to the professional activities like Registration of Engineers, CoA issues, Service Tax matters, CEAI is planning to organize a number of activities/ events during 2015. Some of them are:

1. Seminar on Engineering Smart Cities on 25-26 September 2015
2. Women Engineers Year 2015

CEAI has decided to celebrate the year 2015 as the Women Engineers Year and organize the following activities:

- a) Technical lectures by women professionals.
- b) A Women’s Seminar in Delhi
- c) Planned interaction of women engineers
- d) Membership enhancement of women engineers in CEAI
- e) Institution of special awards for women engineers to include:
  - Lifetime achievement award
  - Innovation in engineering design
  - Sherpa award for engineers (for carrying out projects in difficult terrains / regions)
  - Young women engineers’ award
  - Award for Women Engineer Entrepreneurs

## SEMINAR ON EPC CONTRACTS – RISKS, CLAIMS & CONFLICTS MANAGEMENT

The long awaited Budget has been presented and points to a steady approach to financing the different sectors of Infrastructure – Highways, Roads, Railways & Metros, Ports & Harbours, Waterways, Water & Waste Water, Power, Rural & Urban development, Buildings, etc. The previous models for funding and executing projects have left in their wake a number of unfinished projects many of which are in different forms of dispute. The owners ranging from the Government Departments/ Bodies/ Organisations (PSUs) to the Private Sector organisations and entrepreneurs new to the gamut of consultancy and works contracts it is necessary that the implications of any model be understood as best as can be so that so that they can make informed selection and decisions. EPC Contracts being one of the preferred mode of executing projects this seminar is aimed at providing an insight into managing the contracts and claims arising there from.

To provide clarity on the issues of EPC Contracts, CEAI-Western Region Centre in association with Quantum Global Solutions and supported by the Pravin Gandhi College of Law bring to you a one day seminar which will have Mr. Tom Kapapa, Operations and Technical Director, Quantum Global Solutions and Mr. Uttam Sengupta, General Manager, Risk Management, Voltas Limited sharing **experiences of dealing with contracts so as to provide clarity and guidance to those working with EPC contracts and provide a better understanding of their administration and the handling of Risks, Claims and Conflicts.**



The one day seminar will be held in Mumbai on 5<sup>th</sup> June 2015 at the Seminar Hall, 1<sup>st</sup> Floor, Pravin Gandhi College of Law, Mithibai College Campus, Bhaktivedanta Marg, Vile Parle (West), Mumbai 400056.

- The Fee for Members: Rs.4,000/- and for Non-members: Rs 5,500/-. Service Tax will be charged extra at 12.36% or as applicable.
- Suitable reduction in fees would be considered if there are 5 or more participants from one organization.
- It is a Non Residential course.
- Certificate will be issued to the participants.
- FIDIC 1999 Conditions of Contract (Red Book) may be purchased separately at a special price of Rs. 3,200/- per copy at the Seminar only. For FIDIC publications catalogue please contact CEAI Secretariat.
- Cheque / DD should be drawn in favour of “**CEAI-Western Region Centre**” payable at Mumbai.

**Payment can also be made by bank transfer:**

<b>Beneficiary:</b>	<b>CEAI-Western Region Centre</b>	<b>Account No.:</b>	<b>038602000022706</b>
<b>Name of Bank:</b>	Indian Overseas Bank	<b>Branch Code:</b>	386
<b>Address of Branch:</b>	Nandjyot Industrial Estate Branch, Near MTNL, Andheri Kurla Road, Sakinaka, Mumbai – 400 072	<b>MICR Code:</b>	4000 20032
<b>IFS Code:</b>	IOBA 0000386	<b>PAN:</b>	AAATC5274E

**Registration form available on the CEAI website should be mailed to:**

CEAI – Western Region Centre, c/o Chempro Expertise Pvt. Ltd., 203, Trade Corner, Saki Naka, Andheri (East), Mumbai 400072

**Contact:** Mr. Jeffrey Nambiar, Hon. Secretary & Treasurer,  
email: jeffrey@chemproindia.com; Mob: +919820083062

**Office contact:** email: elley@chemproindia.com Tel +91 22 28596350/ 28508313

**ADVANCE COURSE ON STEEL DESIGN -2**

In response to the greatly appreciated course held on Steel Design in June 2012 and the feedback for more topics to be covered in Steel Design, CEAI-Western Region Centre has along with the Institute For Steel Development & Growth, (INSDAG), Kolkata have once again painstakingly put together the sequel to the first Course - “Advanced Course on STEEL DESIGN – 2”

The first course was basically limited to Limit State Design although it did touch upon some of the topics which created an appetite for more knowledge. This Course takes off from that and covers those topics and more as per the feedback that was given and also those which have become important due to events and requirements in the past three years. Presentations will be made by experts in the field.

Engineers are the torch bearers for all development works and thus there is the need for them to keep abreast with the latest technology so that what they design, construct/ fabricate & install are as per the codal requirements and sound engineering practices. The intent of the course is to cover advanced topics which will aid engineers in being able to perform their work and deliver world class engineered structures.

The Course will Recap the Limit State Design and then move on to deal with Design of Buildings etc. under wind Loads, Design of Buildings under Seismic Forces, Detailing for Seismic Forces, Fire as a form of Load on the Structure, Fatigue, Design of Connections- Bolted & Welded, Bolting and Welding procedures, Buckling of



Plates, Design of Tubular Structures, Building for Chemical & Industrial Plants, and Innovative Composite Steel Bridges.

The Course will be held in Mumbai on 26<sup>th</sup> & 27<sup>th</sup> June 2015 at the Seminar Hall, 1<sup>st</sup> Floor, Pravin Gandhi College of Law, Mithibai College Campus, Bhaktivedanta Marg, Vile Parle (West), Mumbai 400056.

**The faculty comprises Dr. S R Satishkumar,-IIT Madras,-Chennai, Dr. Harshavardhan Subbarao-Chairman & Managing Director M/s. Construma Consultancy Pvt. Ltd., Mr. M M Ghosh - Asst. General Manager, INSDAG, Mr. A P Mull, former Director, Tata Consulting Engineers Limited & Past President CEAI, Dr. V V Nori. Chairman, Shirish Patel & Associates Consultants Pvt. Ltd.**

- The Course Fee for Members: Rs.6,000/-, Non-members: Rs.8,000/- and Rs. 4000/- for Students. Service Tax will be charged extra at 12.36% or as applicable.
- Suitable reduction in fees would be considered if there are 5 or more participants from one organization.
- It is a Non Residential course.
- Certificate will be issued to those who attend the course.
- Cheque / DD should be drawn in favour of “**CEAI-Western Region Centre**” payable at Mumbai.
- Participants may carry their copy of IS 800:2007. The code will NOT be distributed in the programme.

**Payment can also be made by bank transfer:**

<b>Beneficiary:</b>	<b>CEAI-Western Region Centre</b>	<b>Account No.:</b>	<b>038602000022706</b>
<b>Name of Bank:</b>	Indian Overseas Bank	<b>Branch Code:</b>	386
<b>Address of Branch:</b>	Nandjyot Industrial Estate Branch, Near MTNL, Andheri Kurla Road, Sakinaka, Mumbai – 400 072	<b>MICR Code:</b>	4000 20032
<b>IFS Code:</b>	IOBA 0000386	<b>PAN:</b>	AAATC5274E

**Registration form available on the CEAI website should be mailed to:**

CEAI – Western Region Centre, c/o Chempro Expertise Pvt. Ltd., 203, Trade Corner, Saki Naka, Andheri (East), Mumbai 400072

**Contact:** Mr. Jeffrey Nambiar, Hon. Secretary & Treasurer,  
email: [jeffrey@chemproindia.com](mailto:jeffrey@chemproindia.com); Mob: +919820083062,  
Office contact: email: [elley@chemproindia.com](mailto:elley@chemproindia.com) Tel +91 22 28596350/ 28508313


**FIDIC  
NEWS**

## FIDIC AWARDS 2015

The FIDIC 2015 Awards nominations are open to all firms or groups of firms that belong to FIDIC Member Associations, Associate Members or Affiliates. All submissions should be endorsed by one FIDIC Member Association, Associate or Affiliate based in the country where the project is located or where the firm is based.

Aims of the Awards are:

- Promote FIDIC principles: Quality, Integrity and Sustainability
- Celebrate outstanding projects where FIDIC member firms have been involved
- Help publicise the work of consulting engineering firms and the contribution they make to quality of life
- Encourage others to understand and support FIDIC principles
- Encourage the use of FIDIC contracts and guidelines

Nominations should demonstrate:

- Innovation, quality, and professional excellence
- The principles of transparency and integrity
- Sustainability and respect for the environment

The awards are for the projects that have been in operation for at least one year on the closing date for submissions and should have been completed in the last 5 years. The closing date for submission of the nomination is 19<sup>th</sup> July 2015.

The FIDIC Awards will be presented at the Gala Dinner during the FIDIC International Infrastructure Conference, on 14<sup>th</sup> September 2015. For more information about the awards, please contact Mr. Italo Goyzueta, Deputy Director, FIDIC. Email: [igoyzueta@fidic.org](mailto:igoyzueta@fidic.org). Phone +41 22 799 4909.

## FIDIC INTERNATIONAL INFRASTRUCTURE CONFERENCE

The FIDIC International Infrastructure Conference 2015 will take place on 13-15 September 2015 at the Dubai World Trade Centre, Sheikh Rashid Hall. The Conference will provide with the opportunity to discuss key topics and business trends happening in the global market today.

<b>Registration Category</b>	<b>Early Bird Registration (15 Mar - 3 July 2015)</b>	<b>Late Registration (4 July - 7 sept 2015)</b>	<b>On-site Registration (13 - 15 sept 2015)</b>
FIDIC Member (Full registration)	\$ 900	\$ 990	\$ 1050
Non-Member (Full registration)	\$ 1,100	\$ 1200	\$ 1300
Accompanying person	\$ 400	\$ 450	\$ 450
Conference Day cards- Monday 14 Sept (Day 1 sessions) - Tuesday 15 Sept (Day 2 sessions)	\$ 500	\$ 550	\$ 600
Special "FIDIC Best Practice Forum"- Sunday 13 Sept (One-day Forum previous to the conference)	\$ 500	\$ 550	\$ 600
Young Professional (Full registration)	\$ 780	\$ 900	\$ 960
Student	\$ 300	\$ 350	\$ 370

**Please register before 3<sup>rd</sup> July 2015 to avail the early bird discount on Registration Fee.**

Please complete the registration form and fax/email to FIDIC 2015 Conference Secretariat at MCI Middle East LLC Tel No: +971 (0) 4 311 6300 | Fax No: + 971 (0) 4 311 6301 | Email: [fidic2015@mci-group.com](mailto:fidic2015@mci-group.com)

Please visit Conference website [www.fidic2015.org](http://www.fidic2015.org) for further details.



## OTHER NEWS, VIEWS & NOTES

### **NATIONAL OPEN HOUSE MEET OF ENGINEERS – BRIEF REPORT**

CEAI in association with IAStructE and ACCE(I) organized an Open House Meet of Engineers on 17<sup>th</sup> March, 2015 at New Delhi. About 180 engineers from all over the country attended the meet. There was wide representation from the States of Kerala, Karnataka, Tamil Nadu, Pondichery, Punjab, Haryana, Madhya Pradesh, Gujarat, Maharashtra, Uttar Pradesh, etc. At the outset the Presidents of the three Associations welcomed the participants and gave presentations. The gathering was apprised of the misinformation being published by CoA Mr Mahendra Raj gave presentation about the Engineers' Bill and how the engineers are steadfastly pursuing for the last 40 years to make it a legal entity.

Besides this, in the open session, about 30 participants spoke about several professional issues affecting the engineering fraternity in general and civil engineers in particular.

At the end a Coordination Committee was constituted with Mr Manoj Mittal as its Chief Coordinator.

The petitions on Engineers, Competence of Civil Engineers, Amendments to Architects Act, signed by all the participants were sent to the concerned ministries.

### **WORKSHOP CUM EXHIBITION ON “ADOPTION OF INNOVATIVE TECHNOLOGIES AND MATERIALS FOR ROAD CONSTRUCTION IN INDIA**

On behalf of Ministry of Road Transport and Highways, Indian Academy of Highway Engineers (IAHE) in association with the World Bank, organized a Workshop cum Exhibition on “Adoption of Innovative technologies and materials for Road Construction in India” on February 20-21, 2015 at IAHE, A-5, Sector- 62, NOIDA.

The Workshop and Exhibition was inaugurated by Mr. Nitin Gadkhari, Hon'ble Minister, Ministry of Road Transport & Highways.

IAHE allotted an exhibition stall to CEAI wherein standies depicting functioning of CEAI, profiles of CEAI members and the photographs of activities were displayed.

A Panel discussion was held at the end of the Workshop on 21<sup>st</sup> February 2015 wherein Mr. Vijay Chhibber, Secretary, Ministry of Road Transport & Highways was the Chief Guest. Mr. K. K. Kapila, Past President CEAI and Col. V. K. Ganju, Vice President CEAI were also panelists as CEAI representatives.

### **GLOBAL EXHIBITION ON SERVICES**

The Ministry of Commerce and Industry, Government of India, Services Export Promotion Council (SEPC) and the Confederation of Indian Industry (CII) joined hands to organize the first Global Exhibition on Services (GES) from 23 -25 April 2015 at Pragati Maidan, New Delhi. Hon'ble Prime Minister of India, Shri Narendra Modi, inaugurated the Global Exhibition on Services on 23<sup>rd</sup> April, 2015. The main objective of the Global Exhibition is





to promote greater exchange of trade in services between India and the rest of the World. More than 60 countries participated in the fair and over 5000 structured buyer-seller meetings were convened during the event.

The organisers have made CEAI the official partner for the Global Exhibition on Services and offered exhibition space to CEAI at the GES.

**INPUT FROM MEMBERS**

The next issue of the View Point will be published in June 2015. Members are requested to send articles and other material for incorporating in the next issue of View Point before 30<sup>th</sup> May 2015. The material could inter alia comprise:

- Awards received by an individual/ organization.
- Technical articles
- Photographs of current or completed projects (completed in last one year)

**ADVERTISEMENT IN VIEW POINT**

*VIEW POINT is a quarterly publication. It is circulated to all CEAI members, Government Departments, Public/ Private Sector Undertakings, Construction Firms, Contractors, Consultants, Foreign missions in India and others related to engineering profession.*

**Advertisement matter**

*Advertisement matter (in colour) A4 size (both soft & hard copy) may be sent to CEAI Secretariat.*

**ADVERTISEMENT TARIFF**

<b>Rate:</b>	Back Cover	-	Rs. 15,000/-
	Inside Front Cover	-	Rs. 10,000/-
	Inside Back Cover	-	Rs. 10,000/-
	Full Page	-	Rs. 5,000/-

In case the advertisement is to be inserted in four or more issues, a rebate of 20% will be admissible.



# Complete Solution For The Construction Industry



Member - CCMA

- Integral Water Proofing Compounds
- Surface Applied Water Proofing Coatings
- Tile Fixing Adhesives And Joint Fillers
- Structural Repair Products
- Bonding Agents
- Plasticisers
- Flooring Products
- Industrial Coatings



## PERMA CONSTRUCTION AIDS PVT. LTD.

611 / 612, Nirmal Corporate Centre, Mulund (W) Mumbai - 400 080, India.

Tel.: 91-22-2591 8911 / 2567 4690 • Fax : 2590 3008

E-mail: [info@permaindia.com](mailto:info@permaindia.com) • Visit us at [www.permaindia.com](http://www.permaindia.com)  
[www.permaindia.net](http://www.permaindia.net)



AN ISO 9001 : 2008 & NSIC-CRISIL SE-1A RATED COMPANY

With Best Compliments From :

# Intercontinental Consultants and Technocrats Private Limited

(An ISO 9001:2008 Certified Company)

Innovative, Creative & Technologically Sustainable Infrastructure Solutions

A-8, Green Park, New Delhi - 110 016

Phone: +91-11-40863000, E-mail: [business@ictonline.com](mailto:business@ictonline.com)

Web: <http://www.ictonline.com>



## General Description

Intercontinental Consultants and Technocrats Pvt. Ltd. (ICT), an ISO-9001:2008 certified Company, is a leading International Engineering Consulting Organisation. The ICT group has a dedicated team of over 1500 professional staff with state-of-the-art knowledge of international standards. ICT with its deep commitment to quality, client's satisfaction, and high standards of professionalism continuously endeavours to serve the cause of infrastructure development.

## Sectors

- Highways, Bridges and Structures
- Airports and Aviation Systems
- Traffic, Transportation and ITS (Intelligent Transport Systems)
- Urban, Regional and Rural Infrastructure Planning and Development
- Water Resources
- Water Supply and Public Health Engineering
- Buildings and Architecture
- Railways and Metro Rails
- Tourism
- Power
- Institutional Development
- Special Economic Zones
- GIS Surveys & Mapping
- Social and Environmental Sciences

## Services

The Company offers services in various disciplines ranging from Planning, Topographic Surveys, Traffic Studies, Feasibility Studies, Preliminary and Detailed Engineering Design, Computer Aided Design, Privatization Schemes under BOT/BOO/BOLT, Independent Engineer, Project Management Consultant, Construction Supervision, Training and Institutional Strengthening, Third Party Inspections and Verification, covering the following sectors:

**Highways** including Expressways, Widening and Strengthening of existing Roads I/A/B Laning, Access Controlled Highways.

**Bridges** including Interchanges, Flyovers, Overbridges, Special Inspection and Rehabilitation Services and Bridge-Management Systems.

**Airports** including Airport Master Plans, Pavement Design, Geometrics, Layouts, Airport Terminals and Support Services, Airport Lighting and Power Supply Systems, Communication and Navigation Equipment.

**Traffic and Transportation and Intelligent Transport Systems** including Preparation of Urban and Regional Transportation Plans, Land Use-Transport Modeling for Policy Testing and Traffic Predictions, Traffic

Management Plans, Road Safety Audit, Public Transport Planning and Management.

**Urban/Infrastructure Development** including Preparation of Regional Plans, Master Plans, Development of Townships, Infrastructure Corridors, Wayside Amenities, Public Utilities, Water Supply, Sanitation, Public Health Services and Power Supply.

**Metro Rail Services** including design of underground & elevated metro stations, viaducts, architect design of stations, DSM, DCS, TMS services of the stations.

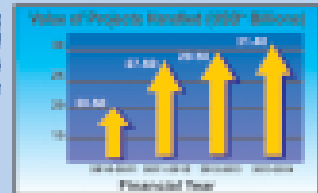
**Water Resources** including Irrigation, Flood Control, Dam Reservoir Engineering, Ground Water Exploration, Hydro-power Development, Environmental and Social Aspects.

**Tourism Development Studies** including Eco-tourism, Cultural & Heritage Tourism, Adventure Tourism, Environmental Planning and Landscaping.

**Build, Operate & Transfer Projects** including Project Identification, Feasibility Studies, Detailed Engineering Economic and Financial Viability, Identification of Funding Sources, Construction Agencies.

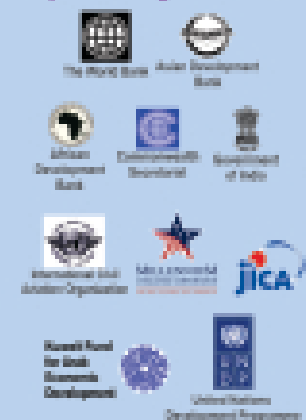
**Special Economic Zones** including Bench Marking, Economic Themes, Master Planning, Bid Preparation, Evaluation and Selection of Premiers.

## Financial Performance



Applied to all financial years presented  
\*Conversion: 1 Billion INR = US\$ 15.41

## Major Funding Institutions



## Certification



## Key Personnel

**Mr. S.K. Kapila**  
Chairman and Managing Director

**Mr. Prashant Kapila**

President & COO

**Mr. N.C. Saxena**

President

**Mr. A.D. Narain**

President

**Mr. N.K. Sika**

President

**Mr. Amitava Bose**

President

**Mr. S.K. Pari**

President

**Mrs. Poojara Kapila**

President

**Dr. P. K. Sikdar**

President

**Mr. Saumabh Khanna**

President

**Li Gon (Retd)**

President

**S. Ravi Shankar, FRSI, VSM**  
President

## ICT's International Presence





**Additives for High Density, High Strength,  
Waterproof, and High Workability Concretes**

## Latest Generation Admixtures for HPC

For HPC, FRC, Precast, Prestressed, Hollowcore and Special Concrete

**We Offer:** Latest Generation Constructions Chemicals, in addition to Technical Support pertaining to Concrete Mix Design Development. Our Solutions include :

**Muraplast FK** and **MC-Powerflow** Range of Hyperplasticizers.

**Centrilit NC** – Pozzolanic Aluminosilicate Additive for Resistance to water and aggressive media.

**Emcoril AC** – High Performance Curing Compound for HPC.

**Product Benefits:** Customizable Workability, Strengths, Chemical Resistance and Durability for your Concrete.

Over 25 Years of Experience – For your Durable Structures.

### MC - Bauchemie (India) Pvt. Ltd.

Tel. : (022) 2789 2856 / 2788 0803 • Fax : (022) 2789 3870  
 Email : info.india@mc-bauchemie.com / mcbindia@yahoo.co.in  
 Web : www.mc-bauchemie.com

An ISO 9001 : 2008 Company



Member - CCMA

